



Tender Document Value: Tk. 1000
IFT Schedule; <http://procurement.scibd.info/>
(Schedule purchase not require for tender submission)

**Tender Document
For Procurement of Repairing/Refurbishing Works
Funded by USAID
[Open Tendering Method]**

**Procurement & Supply Chain
Save the Children International**

Issued on: February 21, 2020



Guidance Notes on the Use of The Tender Document

The use of Document applies when the Procuring Entity intends to select a Tenderer (a Contractor) for the Procurement of Works under Open Tendering Method (OTM), while the contract award is being determined on the basis of lowest evaluated responsive Tender.

It is intended for admeasurements contracts (unit prices in a Bill of Quantities) and the main text refers to admeasurements Contracts.

The Tender Document **has** 7 Sections, of which Section 1: Instruction to Tenderer and Section 3: General Conditions of Contract must not be altered or modified under any circumstances.

The following briefly describes the Sections of the Document and how the Procuring Entity should use these when preparing a particular Tender Document.

Section 1. Instructions to Tenderers (ITT)

The Instruction to Tenderer (ITT) specifies the instructions and procedures that govern the tendering process. This Section also contains the criteria to be used by the Procuring Entity to determine the lowest evaluated Tender and the qualifications of the Tenderer to perform the Contract. The Instructions to Tenderer (ITT) are therefore not a part of the Contract.

Section 2. Tender Data Sheet (TDS)

This Section provides the information that is specific to each object of procurement and that supplements the information or requirements included in Section 1: Instructions to Tenderers. The Procuring Entity shall specify in the TDS only the information that the ITT instruct, be specified in the TDS. To facilitate the preparation of the **TDS**, its Clause Numbers are numbered with the same numbers of the corresponding ITT Clauses.

Section 3. General Conditions of Contract (GCC)

This Section provides the General Conditions of Contract that will apply to the Contract for which the Tender Document is issued. The GCC clearly identifies the provisions that may normally need to be specified for a particular tendering process and need to be addressed through the PCC.

Section 4. Particular Conditions of Contract (PCC)

This Section provides clauses specific to the particular Contract that modify or supplement Section 3: General Conditions of Contract. The Procuring Entity should include at the time of issuing the Tender Document all possible information that the GCC indicate, in the PCC. To facilitate the preparation of the **PCC**, its Clause Numbers are numbered with the same numbers of the corresponding GCC Clauses.

Section 5. Tender and Contract Forms

Tender Forms

This Section provides **Form** the standard format for the **Tender Submission Letter (Form-1)**, **Tenderer Information (Form -2)**, **Bank Guarantee for Tender Security (Form -3)** and **Bank's Commitment for Line of Credit (Form -4)**. These forms along with required documents mentioned in the ITT will constitute the Tender, to be submitted by the Tenderers.

Contract Forms

This Section contains the form of the **Notification of Award (Form -5)**, the **Contract Agreement (Form -6)** and **Bank Guarantee for Performance Security (Form -7)**.

Section 6. Bill of Quantities



This Section provides the items and estimated quantities of Works to be performed and must be carefully prepared by the Procuring Entity for each object of procurement.

Section 7. Drawings

This Section contains any Drawings that supplement the General and Particular Specifications for the Works and physical services to be procured.



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Save the Children International is the world's leading, independent organization for children	
Invitation for Tender (IFT) for Repairing/Refurbishing Works	
Ref. No. IFT/SC/BDCO/FY-20/00001 (Manual) Date: February 21, 2019	
Name of Procuring Entity :	Save the Children International
Procurement Information :	Tender Package Name: Repairing/Refurbishing of Seventeen (17) Multipurpose Cyclone Shelter/Primary School under Cox'sbazar and Bandarban Hill District (Total-5 Lots) funded by USAID. Lot 1: A. Repairing/Refurbishing of Uttor Lemshikhali GPS, Kutubdia B. Repairing/Refurbishing of Tabaler Char GPS, Kutubdia C. Repairing/Refurbishing of Kazi Helal GPS, Kutubdia Lot 2: A. Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS, Pekua B. Repairing/Refurbishing of Moddho Mognama GPS, Pekua C. Repairing/Refurbishing of Uttar Mognama GPS, Pekua D. Repairing/Refurbishing of Nondirpara GPS, Pekua Lot 3: A. Repairing/Refurbishing of Baishpari GPS, Naikhongchari B. Repairing/Refurbishing of Sonaichori GPS, Naikhongchari C. Repairing/Refurbishing of Thuihlaong para GPS, Naikhongchari Lot 4: A. Repairing/Refurbishing of Shabek Bilchori GPS, Lama B. Repairing/Refurbishing of Kalingabil GPS, Lama C. Repairing/Refurbishing of Yangchamukh Headmanpara GPS, Lama D. Repairing/Refurbishing of Sipahi Habibur Rahman GPS, Lama Lot 5: A. Repairing/Refurbishing of Tarabunia Shofiul Alam GPS, Alikadam B. Repairing/Refurbishing of Choikhong Tripura GPS, Alikadam C. Repairing/Refurbishing of Asoti Tripura Para GPS, Alikadam
Working Experience :	The minimum number of years of general experience of the Tenderer in the construction works shall be three (3) years. Detail can be seen in Tender Document which is available on http://procurement.scibd.info/ under tender notification. <u>Downloaded copy is acceptable for tender participation.</u>
Procurement Method :	Open Tendering Method
Tender document price, Selling date, Time & Place :	Tender Document: Tk. 1000 (One Thousand Taka) only (Non-refundable) in the form of Pay Order/DD in favor of "Save the Children International" From February 21, 2020 to March 16, 2020 during office hours 10:00am - 3:00pm from Sunday to Thursday (except public holidays) at Primary & Secondary location mentioned in Pre-tender meeting places.
Tender Security :	Lot wise Tender security as mentioned in tender document should be submitted in the form of Pay Order/Demand Draft in favor of "Save the Children International".
Pre-tender Meeting Time & Place :	Primary Location: 1) March 01, 2020 at 3:00 PM at Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh. Secondary Location: 2) February 25, 2020 at 10:30 AM at Kutubdia Upazila Hall Room, Kutubdia and Pekua: at 3:00 PM Mukti Cox's Bazar Office, House of Shahnaz Begum (1st Floor), Adrosho Mohila Madrasha Road (Opposite of Bureau Bangladesh), Pekua, Cox's Bazar. 3) February 26, 2020 at 11:00 AM at Alikadam: Green Hill Office, Palong Para, Pan Bazar Thanchi Road, Alikadam and Lama: at 3:00 PM , Green Hill Office, Modhujhiri (Near Ansar VDP office), Lama. 4) February 27, 2020 at 10:30 AM at Naikhongchari: Upazila Hall Room, Naikhongchari, Bandarban. (Meeting minutes also will be available at http://procurement.scibd.info/ on March 02, 2020)
Tender dropping Date, Time & Place :	Sealed tender document should be dropped into tender box - I kept at Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh only from March 03, 2020 to March 16, 2020 during office hour. Last date & Time for Submission : on or before 2.30 PM on March 16, 2020
Tender Opening Date, Time & Place :	March 16, 2020 at 2:30 PM at Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh in presence of tenderer (if any).
Contact Number :	+88-09612555333 (Extension: 1204)
Special Instruction: (a) All activities in connection with the said procurement of Goods will be guided as per the SCI's Procurement Policies (b) If it is not possible to receive & open the tender on the scheduled date for any unavoidable circumstances, the same will be received and opened on the following working date at same time and same place. (c) If the Tenderer(s) submit any false/incorrect or fake documents then the tender security may be forfeited. <p style="text-align: center;">Senior Manager, Procurement & Supply Chain</p>	





Name of the Purchaser	Save the Children International House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh
Contact Person	Sr. Manager Procurement & Supply Chain
Telephone	88-09612555333
Email	rakib.ahmed1@savethechildren.org

TENDER DOCUMENT FOR THE PROCUREMENT OF WORKS

**Repairing/Refurbishing of Seventeen (17) Multipurpose
Cyclone Shelter/Primary School under Cox's bazar and
Bandarban Hill District (Total-5 Lots) funded by USAID**

**Invitation for Tender No: IFT/SCI/BDCO/FY-20/00001 (Manual)
Issued on: February 21, 2020
Tender Package No: 02**



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Section 1. Instructions to Tenderers

A. General

1. Scope of Tender	<p>1.1 The Procuring Entity, as indicated in the Tender Data Sheet (TDS) issues this Tender Document for the procurement of Works as specified in the TDS and as detailed in Section 6: Bill of Quantities. The name of the Tender and the number and identification of its constituent lot(s) are stated in the TDS.</p> <p>1.2 The successful Tenderer shall be required to execute the Works and physical services as specified in the General Conditions of Contract.</p>
2. Interpretation	<p>2.1 Throughout this Tender Document:</p> <ul style="list-style-type: none"> (a) the term “in writing” means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail; (b) if the context so requires, singular means plural and vice versa; (c) “day” means calendar days unless otherwise specified as working days; (d) “fund” means the fund provided for execution of the works; (e) “Person” means and includes an individual, body of individuals, sole proprietorship, partnership, company, association or cooperative society that wishes to participate in Procurement proceedings; (f) “Tenderer” means a Person who submits a Tender; (g) “Tender Document” means the Document provided by a Procuring Entity to a Tenderer as a basis for preparation of the Tender; and (h) “Tender” depending on the context, means a Tender submitted by a Tenderer for execution of Works and physical services to a Procuring Entity in response to an Invitation for Tender.

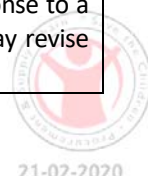


<p>3. Corrupt, Fraudulent, Collusive or Coercive Practices</p>	<p>3.1 The Government requires that the Procuring Entity as well as the Tenderers shall observe the highest standard of ethics during implementation of procurement proceedings and the execution of Contracts under the funds.</p> <p>3.2 For the purposes of ITT Sub Clause 3.3, the terms set forth below as follows:</p> <ul style="list-style-type: none"> (a) “corrupt practice” means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of the Procuring Entity or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by the Procuring Entity in connection with a Procurement proceeding or Contract execution; (b) “fraudulent practice” means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution; (c) “collusive practice” means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Procuring Entity, that is designed to arbitrarily reduce the number of Tenders submitted or fix Tender prices at artificial, non-competitive levels, thereby denying the Procuring Entity the benefits of competitive price arising from genuine and open competition; (d) “coercive practice” means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in the Procurement proceeding or the execution of a Contract, and this will include creating obstructions in the normal submission process used for Tenders. <p>3.3 Should any corrupt, fraudulent, collusive or coercive practice of any kind come to the knowledge of the Procuring Entity, it will, in the first place, allow the Tenderer to provide an explanation and shall, take actions only when a satisfactory explanation is not received. Such exclusion and the reasons thereof, shall be recorded in the record of the procurement proceedings and promptly communicated to the Tenderer concerned. Any communications between the Tenderer and the Procuring Entity related to matters of alleged corrupt, fraudulent, collusive, coercive, or obstructive practices shall be in</p>
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	<p>writing.</p> <p>3.4 If corrupt, fraudulent, collusive or coercive practices of any kind is determined by the Procuring Entity against any Tenderer or Supplier in competing for, or in executing, a contract under public fund, the Procuring Entity shall :</p> <p>(a) exclude the concerned Tenderer from further participation in the concerned procurement proceedings;</p> <p>(b) reject any recommendation for award that had been proposed for that concerned Tenderer; and</p> <p>(c) declare, at its discretion, the concerned Tenderer to be ineligible to participate in further Procurement proceedings, either indefinitely or for a specific period of time.</p>
<p>4. Eligible Tenderers</p>	<p>4.1 This Invitation for Tenders is open to all potential Tenderers.</p> <p>4.2 Tenderers shall have the legal capacity to enter into the Contract under the Applicable Law.</p> <p>4.3 Tenderers may be a physical or juridical individual or body of individuals, or company invited to take part in procurement or seeking to be so invited or submitting a Tender in response to an Invitation for Tenders.</p> <p>4.4 Tenderers shall have fulfilled its obligations to pay taxes under the provisions of laws and regulations of Bangladesh.</p> <p>4.5 Tenderers and all parties constituting the Tenderer shall not have a conflict of interest.</p> <p>4.6 Tenderer in its own name or its other names or also in the case of its Persons in different names, shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive or coercive practices as stated under ITT Clause 3.4.</p> <p>4.7 Tenderers are not barred from participating in Procurement on grounds of poor performance in the past under any Contract with the procuring entity</p> <p>4.8 Tenderers shall not be insolvent, be in receivership, be bankrupt, be in the process of bankruptcy, be not temporarily barred from undertaking business and it shall not be the subject of legal proceedings for any of the foregoing.</p> <p>4.9 Government-owned enterprise in Bangladesh may also participate in the Tender if it is legally and financially autonomous, it operates under commercial law, and it is not a dependent agency of the Procuring Entity.</p>

B. Tender Document	
5. Tender Document	<p>5.1 The Sections comprising the Tender Document are listed below, and should be read in conjunction with any Addendum issued under ITT Clause 7.</p> <ul style="list-style-type: none"> • Section 1 Instructions to Tenderers (ITT) • Section 2 Tender Data Sheet (TDS) • Section 3 General Conditions of Contract (GCC) • Section 4 Particular Conditions of Contract (PCC) • Section 5 Tender and Contract Forms • Section 6 Bill of Quantities (BOQ) • Section 7 Drawings.
6. Clarification of Tender Document	<p>6.1 A prospective tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address and, within time as specified in the TDS.</p>
7. Pre-Tender Meeting	<p>7.1 To clarify issues and to answer questions on any matter arising in the Tender Document, the Procuring Entity may, if stated in the TDS, hold a pre-Tender Meeting at the place, date and time as specified in the TDS. All Potential Tenderers are encouraged to attend the meeting, if it is held.</p> <p>7.2 Tenderers are requested to submit any questions in writing so as to reach the Procuring Entity not later than one day prior to the date of the meeting.</p> <p>7.3 Minutes of the pre-Tender meeting, including the text of the questions raised and the responses given, together with any responses prepared after the meeting, will be transmitted within five (5) working days after holding the meeting to all those who purchased the Tender document and to even those who did not attend the meeting. Any revision to the Tender Document listed in ITT Sub Clause 8.1 that may become necessary as a result of the pre-Tender meeting will be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT Sub Clause 11 and not through the minutes of the pre-Tender meeting.</p> <p>7.4 Non-attendance at the pre-Tender meeting will not be a cause for disqualification of a Tenderer.</p>
8. Addendum to Tender Document	<p>8.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity on its own initiative or in response to a clarification request in writing from a Tenderer, may revise</p>



	<p>the Tender Document by issuing an Addendum.</p>
	<p>8.2 The Addendum issued under ITT Sub Clause 7.1 shall become an integral part of the Tender Document and shall have a date and an issue number and must be circulated by fax, mail or e-mail, to Tenderers who have purchased the Tender Documents, within five (5) working days of issuance of such Addendum, to enable Tenderers to take appropriate action.</p>
	<p>8.3 If an Addendum is issued when time remaining is less than one-third of the time allowed for the preparation of Tenders, the Procuring Entity at its discretion shall extend the deadline by an appropriate number of days for the submission of Tenders, depending upon the nature of the Procurement requirement and the addendum. In any case, the minimum time for such extension shall not be less than three (3) working days.</p>
<p>C. Qualification Criteria</p>	
<p>9. General Criteria</p>	<p>9.1 Tenderers shall possess the necessary professional and technical qualifications and financial resources, equipment, managerial capability, specific experience, , and the personnel, to perform the contract, which entails setting pass/fail criteria, which if not met by the Tenderers, will result in consideration of its Tender as non-responsive.</p>
	<p>9.2 In addition to meeting the eligibility criteria, as stated under ITT Clause 4, Tenderers must satisfy the other criteria stated in ITT Clauses 9 to 12 inclusive.</p>
	<p>9.3 To qualify for multiple number of contracts/lots in a package made up of this and other individual contracts/lots for which Tenders are invited in the Invitation for Tenders, the Tenderers shall demonstrate having resources sufficient to meet the aggregate of the qualifying criteria for the individual contracts/lots. The requirement of general experience as stated under ITT Sub Clause 9.1(a), and specific experience unless otherwise of different nature, as stated under ITT Sub Clause 9.1(b) shall not be separately applicable for each individual lot</p>

<p>10. Experience Criteria</p>	<p>10.1 Tenderers shall have the following minimum level of construction experience to qualify for the performance of the Works under the Contract:</p> <p>(a) a minimum number of years of general experience in the construction of works as specified in the TDS; and</p> <p>(b) At least a number of contract(s) for construction / Repairing/Refurbishing works and, each with a minimum value over the period, as specified in the TDS.</p>
<p>11. Financial Criteria</p>	<p>11.2 Tenderer shall have the following minimum level of financial capacity to qualify for the performance of the Works under the Contract.</p> <p>(a) the average annual construction turnover as specified in the TDS during the period specified in the TDS;</p> <p>(b) availability of minimum liquid assets i.e. working capital or credit line(s) from any scheduled Bank of Bangladesh, net of other contractual commitments, of the amount as specified in the TDS.</p>
<p>12. Personnel Capacity</p>	<p>12.1 Tenderers shall have the minimum level of personnel capacity to qualify for the performance of the Works under the Contract consisting of key personnel with qualifications and experience as specified in the TDS.</p>
<p>13. Equipment Capacity</p>	<p>13.1 Tenderers shall own suitable equipment or have access to hire or lease such equipment for the desired period, where necessary or have assured access through lease, hire, or other such method, of the essential equipment, in full working order, as specified in the TDS.</p>
<p>14. Joint Venture(JV)</p>	<p>14.1 No Joint Venture (JV) shall be permissible under this Invitation for Tenders. If any Tenders submitted in the form of JV shall be considered as non-responsive.</p>
<p>15. Subcontractor(s)</p>	<p>15.1 The successful Tenderer shall under no circumstances assign the Works or any part of it to the Subcontractor(s).</p>
<p>D. Tender Preparation</p>	
<p>16. Only one Tender</p>	<p>16.1 Tenderers shall submit only one (1) Tender for each lot. Tenderer who submits or participates in more than one (1) Tender in one (1) lot of a package or in one (1) package with one (1) lot will cause all the Tenders of that particular Tenderer to be rejected.</p>
<p>17. Cost of Tendering</p>	<p>17.1 Tenderers shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.</p>

<p>18. Site visit Report</p>	<p>18.1 Tenderers shall visit the sites specified in TDS and the site visit report covering the present condition of physical infrastructure over there shall be attached with the Tenders.</p> <p>18.2 Tenderers shall bear all costs of site visit along with preparation of reports thereof, shall be borne by the Tenderers.</p>
<p>19. Issuance and Sale of Tender Document</p>	<p>19.1 The Procuring Entity shall make Tender Documents available immediately to the potential Tenderers, requesting and willing to purchase at the corresponding price by the date the advertisement has been published in the newspaper.</p>
<p>20. Language of Tender</p>	<p>20.1 Tenders shall be written in the English language. Correspondences and documents relating to the Tender may be written in English or <i>Bangla</i>.</p>
<p>21. Contents of Tender</p>	<p>21.1 The Tender prepared by the Tenderer shall comprise the following:</p> <ul style="list-style-type: none"> (a) Tender Submission Letter (Form -1) as stated under ITT Sub Clause 20.1; (b) Tenderer Information (Form-2) as furnished in Section 5: Tender Forms; (c) the priced Bill of Quantities for each lot as stated under ITT Sub Clause 20,21 and 22; (d) the Tender Security as stated under ITT Clauses 26,27 and 28; (e) the written confirmation authorizing the signatory of the Tender to commit the Tenderer, as stated under ITT Sub Clause 31.2; (f) the Valid Trade License; (g) documentary evidence of Tax Identification Number (TIN) and VAT as a proof of fulfilment of taxation obligations as stated under ITT Sub Clause 4.4; (h) documentary evidence as stated under ITT Clause 23 establishing the Tenderer's eligibility and minimum qualifications required to be met for due performance of the Works and physical services under the Contract; and (i) any other document as specified in the TDS.



<p>22. Tender Submission Letter and Bill of Quantities</p>	<p>22.1 Tenderers shall submit the Tender Submission Letter (Form-1), which shall be completed without any alterations to its format, filling in all blank spaces with the information requested, failing which the Tender may be rejected as being incomplete.</p> <p>22.2 Tenderers shall submit the priced BOQ using the form(s) furnished in Section 6: Bill of Quantities.</p> <p>22.3 If in preparing its Tender, the Tenderer has made errors in the unit rate or the total price, and wishes to correct such errors prior to submission of its Tender, it may do so, but shall ensure that each correction is initialled by the authorised person of the Tenderer.</p>
<p>23. Tender Prices</p>	<p>23.1 Tenderers shall fill in unit rates or prices for all items of the Works both in figures and in words as described in the BOQ. The price to be quoted in the Tender Submission Letter shall be the total price of the Tender.</p> <p>23.2 The items quantified in the BOQ for which no unit rates or prices have been quoted by the Tenderer will not be paid for, by the Procuring Entity when executed and shall be deemed covered by the amounts of other rates or prices in the BOQ and, it shall not be a reason to change the Tender price.</p> <p>23.3 All applicable taxes, custom duties, VAT and other levies payable by the Contractor under the Contract shall be included in the unit prices and the total Tender price submitted by the Tenderer.</p> <p>23.4 The price of a Contract shall be fixed.</p>
<p>24. Tender Currency</p>	<p>24.1 Tenderers shall quote all prices in the Tender Submission Letter and in the BOQ in Bangladesh Taka (BDT) currency.</p>
<p>25. Documents Establishing the Eligibility and Qualification of the Tenderer</p>	<p>25.1 Tenderers shall complete and submit the documentary evidence, as applicable to satisfy the following:</p> <ul style="list-style-type: none"> (a) complete the eligibility declarations in the Tender Submission Letter (Form -1); (b) complete the Tenderer Information (Form -2); (c) general experience in construction works as stated under ITT Sub Clause 9.1(a), substantiated by the year of registration/constitution/licensing in its country of origin; (d) experience in construction /Repairing/Refurbishing works as stated ITT Sub Clause 9.1(b), substantiated by Completion Certificate (s) issued by the relevant Procuring Entity(s); (e) average annual construction turnover i.e total certified payments received for contracts in progress

	<p>or completed for a period as stated under ITT Sub Clause 10.1(a), substantiated by Statement(s) of Receipts, from any scheduled Bank of Bangladesh, issued not earlier than twenty-eight (28) days prior to the day of the original deadline for submission of Tenders;</p> <p>(f) adequacy of minimum liquid assets i.e working capital substantiated by Bank Statements or credit line(s), substantiated by any scheduled Bank of Bangladesh in the format as specified (Form -4), without alteration, issued not earlier than twenty-eight (28) days prior to the day of the original deadline for submission of Tenders for this Contract as stated under ITT Sub Clause 10.1(b);</p> <p>(g) key personnel along with their qualification and experience proposed for the Contract as stated under ITT Clause 11.1;</p> <p>(h) major items of construction equipment proposed to carry out the Contract as stated under ITT Clause 12.1, substantiated by statement(s) in its letter-head pad declaring source of its availability;</p> <p>(i) authority (s) to seek references from the Tenderer's Bankers or any other sources in its letter-head pad.</p>
<p>26. Validity Period of Tender</p>	<p>26.1 Tenders shall remain valid for the period specified in the TDS after the date of Tender submission deadline prescribed by the Procuring Entity. A Tender valid for a period shorter than that specified shall be considered as non-responsive.</p>
<p>27. Extension of Tender Validity and Tender Security</p>	<p>27.1 In exceptional circumstances, prior to the expiration of the Tender Validity period, the Procuring Entity may solicit all the Tenderers' consent to an extension of the period of validity of their Tenders; provided that those Tenderers have passed the preliminary examination as stated under ITT Sub Clause 41.2.</p> <p>27.2 The request and the responses shall be made in writing. Validity of the Tender Security provided under ITT Clause 27.3 shall also be suitably extended for twenty-eight (28) days beyond the new date for the expiry of the Tender Validity. If a Tenderer does not respond or refuses the request it shall not forfeit its Tender Security, but its Tender shall no longer be considered in the evaluation proceedings. A Tenderer agreeing to the request will not be required or permitted to modify its Tender.</p>

<p>28. Tender Security</p>	<p>28.1 Tenderer shall furnish as part of its Tender, in favour of the Procuring Entity or as otherwise directed on account of the Tenderer, a Tender Security in original form (not copy) and in the amount, as specified in the TDS.</p> <p>28.2 In case of substitution of the Tender as stated under ITT Sub Clause 37.1 a new Tender Security shall be required in the substituted Tender.</p>
<p>29. Form of Tender Security</p>	<p>29.1 The Tender Security shall be in the form Pay order/ Demand Draft/BG only issued by any scheduled Bank of Bangladesh, in the format (Form -3), without any alteration, furnished in Section 5: Tender and Contract Forms;</p> <p>29.2 The Tender Security be payable promptly upon written demand by the Procuring Entity in the case of the conditions as stated under ITT Sub Clause 30.1 being invoked;</p> <p>29.3 The Tender Security shall remain valid for at least twenty eight (28) days beyond the expiry date of the Tender Validity.</p>
<p>30. Authenticity of Tender Security</p>	<p>30.1 The authenticity of the Tender Security submitted by a Tenderer may be examined and verified by the Procuring Entity at its discretion in writing from the Bank issuing the Bank Guarantee.</p> <p>30.2 If a Tender Security is found to be not authentic, the Procuring Entity may proceed to take measures against that Tenderer as stated under ITT Sub Clause 3.4.</p> <p>30.3 A Tender not accompanied by a valid Tender Security shall be considered as non-responsive.</p>
<p>31. Return of Tender Security</p>	<p>31.1 No Tender Security shall be returned to the Tenderers before contract signing.</p> <p>31.2 Unsuccessful Tenderer's Tender Security will be discharged or released as soon as possible but within 28 days after the expiry of the Tender Validity period as stated under ITT Clause 24.</p> <p>31.3 The Tender Security of the successful Tenderer will be discharged upon the Tenderer's furnishing of the performance security and signing of the Contract Agreement.</p>
<p>32. Forfeiture of Tender Security</p>	<p>32.1 The Tender security may be forfeited if a Tenderer:</p> <ul style="list-style-type: none"> (a) withdraws its Tender after opening of Tenders but within the validity of the Tender as stated under ITT Clause 24 and 25; or (b) refuses to accept a Notification of Award, as stated under ITT Sub Clause 53.3 ; or

	<p>(c) refuses to sign the Contract, as stated under ITT Sub Clause 58.2.</p> <p>(d) does not accept the correction of the Tender price following the correction of arithmetic errors, as stated under ITT Clause 44.</p>
33. Format and Signing of Tender	<p>33.1 Tenderers shall prepare one (1) original of the documents comprising the Tender as described in ITT Clause 19 and clearly mark it "ORIGINAL." In addition, the Tenderers shall prepare the number of copies of the Tender, as specified in the TDS and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the ORIGINAL shall prevail.</p>
	<p>33.2 The original and each copy of the Tender shall be typed or written in indelible ink and shall be signed by the Person duly authorized to sign on behalf of the Tenderer. This Tender specific authorization shall be attached to the Tender Submission Letter (Form-1). The name and position held by each Person(s) signing the authorization must be typed or printed below the signature. All pages of the original and of each copy of the Tender, except for un-amended printed literature, shall be numbered sequentially and signed by the person signing the Tender.</p>
	<p>33.3 Any interlineations, erasures, or overwriting will be valid only if they are signed or initialled by the Person signing the Tender.</p>
E. Tender Submission	
34. Sealing, & Marking of Tender	<p>34.1 Tenderers shall enclose the original in one (1) envelope and all the copies of the Tender, in another envelope, duly marking the envelopes as "ORIGINAL (O)" and "COPY". These sealed envelopes will then be enclosed and sealed in one (1) single outer envelope with all the relevant particulars of the Tender on the envelopes.</p>
35. Deadline for Submission of Tender	<p>35.1 Tenders shall be delivered by hand or by mail, including courier services at the address(s) as specified in the TDS and not later than the date and time specified in the TDS.</p>
	<p>35.2 The Procuring Entity may, at its discretion, extend the deadline for submission of Tender as stated under ITT Sub Clause 33.1, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline will thereafter be subject to the new deadline as extended.</p>
36. Late Tender	<p>36.1 Any Tender received by the Procuring Entity after the deadline for submission of Tenders as stated under ITT Sub Clause 33.1 shall be declared LATE and returned unopened to the Tenderer.</p>

<p>37. Modification, Substitution or Withdrawal of Tender</p>	<p>37.1 Tenderers may modify, substitute or withdraw its Tender after it has been submitted by sending a written notice duly signed by the authorized signatory and properly sealed, and shall include a copy of the authorization; provided that such written notice including the affidavit is received by the Procuring Entity prior to the deadline for submission of Tenders as stated under ITT Clause 33</p>
<p>38. Tender Modification</p>	<p>38.1 Tenderers shall not be allowed to retrieve its original Tender, but shall be allowed to submit corresponding modification to its original Tender marked as “MODIFICATION (M)”.</p>
<p>39. Tender Substitution</p>	<p>39.1 Tenderers shall not be allowed to retrieve its original Tender, but shall be allowed to submit another Tender marked as “SUBSTITUTION (S)”.</p>
<p>40. Tender Withdrawal</p>	<p>40.1 Tenderers shall be allowed to withdraw its Tender by a Letter of Withdrawal marked as “WITHDRAWAL (W)”.</p>

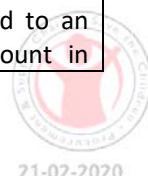
F. Tender Opening & Evaluation

<p>41. Tender Opening</p>	<p>41.1 Tenders shall be opened immediately after the deadline for submission of Tenders at the place as specified in the TDS but not later than ONE HOUR after expiry of the submission deadline at the same place, unless otherwise stated under ITT Sub Clause 39.2.</p>
	<p>41.2 Tenderers’ representatives shall be duly authorised by the Tenderer. Tenderers or their authorised representatives will be allowed to attend and witness the opening of Tenders, and will sign a register evidencing their attendance.</p>
	<p>41.3 The authenticity of withdrawal or substitution of, or modifications to original Tender, if any made by a Tenderer in specified manner, shall be examined and verified by the Tender Opening Committee (TOC) based on documents submitted as stated under ITT Sub Clause 35.1.</p>
	<p>41.4 Ensuring that only the correct (M), (S), and (O) envelopes are opened, details of each Tender will be dealt with as follows:</p> <p style="margin-left: 40px;">(a) the Chairperson of the TOC will read aloud each Tender and record in the Tender Opening Sheet (TOS):</p> <ul style="list-style-type: none"> (i) the name and address of the Tenderer; (ii) state if it is a withdrawn, modified, substituted or original Tender; (iii) the Tender price; (iv) the presence or absence of any requisite Tender Security; and

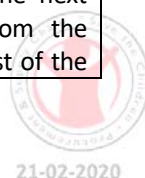


	<p>(v) such other details as the Procuring Entity, at its discretion, may consider appropriate.</p> <p>(b) all pages of the original version of the Tender, except for un-amended printed literature, will be initialled by members of the TOC.</p>
	<p>41.5 Upon completion of Tender opening, all members of the TOC and the Tenderers or Tenderer's duly authorised representatives attending the Tender opening shall sign by name, address, designation, the TOS, copies of which shall be issued to the Head of the Procuring Entity or an officer authorised by him or her and also to the members of the TOC and any authorised Consultants and, to the Tenderers immediately.</p>
	<p>41.6 No Tender will be rejected at the Tender opening stage except the LATE Tenders as stated in the ITT Clause 34.</p>
42. Evaluation Process	<p>42.1 Tender Evaluation Committee (TEC) may consider a Tender as responsive in the Evaluation, only if it is submitted in compliance with the mandatory requirements set out in the Tender Document. The evaluation process should begin immediately after Tender opening following four steps:</p> <ul style="list-style-type: none"> (a) Preliminary Examination; (b) Technical Examinations and Responsiveness; (c) Financial evaluation and price comparison; (d) Technical & Financial combined evaluation (e) Post-qualification of the Tender.
43. Preliminary Examination	<p>43.1 TEC shall examine the Tenders to confirm that all documentation requested in ITT Clause 19 has been provided, to determine the completeness of each document submitted.</p>
	<p>43.2 TEC shall confirm that the following documents and information have been provided in the Tender. If any of these documents or information is missing, the Tender shall be rejected.</p> <ul style="list-style-type: none"> (a) Tender Submission Letter; (b) Priced Bill of Quantities; (c) Written confirmation of authorization to commit the Tenderer; and (d) Valid Tender Security.

<p>44. Technical Examination & Responsiveness</p>	<p>44.1 If a Tender is not responsive to the mandatory requirements set out in the Tender Document, shall not subsequently be made responsive by the Tenderer by correction of the material deviation, reservation, or omission.</p> <p>44.2 There shall be no requirement as to the minimum number of responsive Tenders.</p> <p>44.3 There shall be no automatic exclusion of Tenders which are above or below the official estimate.</p> <p>44.4 TEC shall examine the adequacy and authenticity of the documentary evidence as stated under ITT Clause 23.</p> <p>44.5 If after the examination, TEC determines that the Tender has complied the terms and conditions and the technical aspects, set out in ITT Sub Clause 42.4 , it shall be considered responsive.</p>
<p>45. Clarification on Tender</p>	<p>45.1 TEC may ask Tenderers for clarifications of their Tenders, including breakdowns of unit rates, in order to assist the examination and evaluation of the Tenders.</p> <p>45.2 Any request for clarifications by the TEC shall not be directed towards making an apparently non-responsive Tender responsive and reciprocally the response from the concerned Tenderer shall not be articulated towards any addition, alteration or modification to its Tender.</p> <p>45.3 If a Tenderer does not provide clarifications of its Tender by the date and time, its Tender shall not be considered in the evaluation.</p>
<p>46. Correction of Arithmetical Errors</p>	<p>46.1 Provided that the Tender is responsive, the TEC shall correct arithmetical errors on the following basis:</p> <ul style="list-style-type: none"> (a) if there is a discrepancy between the unit price and the line item total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the line item total price shall be corrected, unless in the opinion of the TEC there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted will govern and the unit price will be corrected; and (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in



	<p>figures shall prevail subject to (a) and (b) above.</p> <p>46.2 TEC shall correct the arithmetic errors and shall promptly notify the concerned Tenderer(s) if the Tenderer that does not accept the correction of arithmetic errors, its Tender shall be considered non-responsive.</p>
47. Financial Evaluation	47.1 TEC shall evaluate each Tender that has been determined, up to this stage of the evaluation, to be responsive to the requirements set out in the Tender Document.
	47.2 To evaluate a Tender, the TEC shall consider the Tender price after adjustments for correction of arithmetical errors, as stated under ITT Sub Clause 44.1.
	47.3 To determine the lowest-evaluated lot(s), the TEC will take into account: <ul style="list-style-type: none"> (a) the lowest-evaluated Tender for each lot; (b) the resources sufficient to meet the qualifying criteria for the individual lot or aggregate of the qualifying criteria for the multiple lots.
48. Price Comparison	48.1 TEC will compare all responsive Tenders to determine the lowest-evaluated Tender, in accordance with ITT Clause 45.
	48.2 In the extremely unlikely event that there is a tie for the lowest evaluated price, the Tenderer with the superior past performance of works with the Procuring Entity and, if necessary with the other Procuring Entities, shall be selected, whereby factors such as quality of Works executed, complaints history and performance indicators could be taken into consideration.
	48.3 The successful Tenderer as stated under ITT Sub Clauses 46.1 shall not be selected through lottery under any circumstances.
49. Negotiations	49.1 No negotiations shall be held during the Tender evaluation or award with the lowest or any other Tenderer.
50. Post-qualification	50.1 The determination on Post-Qualification shall be based upon an examination of the documentary evidence of the Tenderer's eligibility and qualifications submitted by the Tenderer, pursuant to ITT Clause 23, clarifications in accordance with ITT Clause 43 and the qualification criteria indicated in ITT Clause 8, 9,10,11 and 12. Factors not included therein shall not be used in the evaluation of the Tenderer's qualification.
	50.2 In the event that the Tenderer with lowest evaluated Tender price fails the Post-qualification, the TEC shall make a similar determination for the Tenderer with the next lowest evaluated Tender price and so on from the remaining responsive Tenders, if the evaluated cost of the



	Tender is acceptable to the TEC.
51. Procuring Entity's Right to Accept any or to Reject Any or All Tenders	51.1 The Procuring Entity reserves the right to accept any Tender or to reject any or all the Tenders any time prior to contract award and, to annul the Procurement proceedings with prior approval of the Head of the Procuring Entity, any time prior to the deadline for submission of Tenders following specified procedures, without thereby incurring any liability to Tenderers, or any obligations to inform the Tenderers of the grounds for the Procuring Entity's action.
52. Rejection of All Tenders	52.1 The Procuring Entity may, in the circumstances as stated under ITT Sub Clause 50.2 reject all Tenders following recommendations from the TEC only after the approval of such recommendations by the Head of the Procuring Entity.
	52.2 All Tenders can be rejected, if - <ul style="list-style-type: none"> (a) the price of the lowest evaluated Tender significantly exceeds the official estimated cost, provided the estimate is realistic; or (b) there is evidence of lack of effective competition; such as non-participation by a number of potential Tenderers; or (c) all Tenders are non-responsive; or (d) evidence of professional misconduct, affecting seriously the Procurement process, is established pursuant to Clause 3.
53. Informing Reasons for Rejection	53.1 Notice of the rejection will be given promptly within seven (7) working days of decision taken by the Procuring Entity to all Tenderers and, the Procuring Entity will, upon receipt of a written request, communicate to any Tenderer the reason(s) for its rejection but is not required to justify those reason(s).
G. Contract Award	
54. Award Criteria	54.1 The Procuring Entity shall award the Contract to the Tenderer whose Tender is responsive to all the requirements of the Tender Document and that has been determined to be the lowest evaluated Tender, provided further that the Tenderer is determined to be Post-qualified in accordance with ITT Clause 48.

<p>55. Notification of Award</p>	<p>55.1 Prior to the expiry of the Tender Validity period and within one (1) week of receipt of the approval of the award by the Approving Authority, the Procuring Entity shall issue the Notification of Award (NOA) to the successful Tenderer.</p> <p>55.2 The NOA, attaching the contract as per the sample (Form-5) to be signed, shall state:</p> <ul style="list-style-type: none"> (a) the acceptance of the Tender by the Procuring Entity; (b) the price at which the contract is awarded; (c) the date and time within which the Contract shall be signed. <p>55.3 The NOA shall be accepted by the successful Tenderer within five (5) working days from the date of its issuance.</p> <p>55.4 Until a formal contract is signed, the NOA will constitute a Contract, which shall become binding upon the signing of the Contract by both parties.</p>
<p>56. Performance Security</p>	<p>56.1 Performance Security shall be provided by the successful Tenderer in BDT currency, of the amount as specified in the TDS.</p> <p>56.2 The proceeds of the Performance Security shall be payable to the Procuring Entity unconditionally upon first written demand as compensation for Contractor's failure to complete its obligations under the Contract.</p>
<p>57. Form and Time Limit for Furnishing of Performance Security</p>	<p>57.1 Performance Security, as stated under ITT Clause 54, shall be an irrevocable unconditional Bank Guarantee in the format (Form -7), without any alteration, issued by any scheduled Bank of Bangladesh acceptable to the Procuring Entity.</p> <p>57.2 Within nine (9) days from the date of acceptance of the NOA but not later than the date specified therein, the successful Tenderer shall furnish the Performance Security for the due performance of the Contract in the amount as stated under ITT Sub Clauses 54.1.</p>
<p>58. Validity of Performance Security</p>	<p>58.1 Performance Security shall be required to be valid until a date twenty-eight (28) days beyond the Intended Completion Date as specified in Tender Document.</p>
<p>59. Authenticity of Performance Security</p>	<p>59.1 The Procuring Entity shall verify the authenticity of the Performance Security submitted by the successful Tenderer by sending a written request to the branch of the Bank issuing the irrevocable unconditional Bank Guarantee</p>



	in specified format.
60. Contract Signing	<p>60.1 Within twenty-one (21) days of the issuance of the NOA, the successful Tenderer and the Procuring Entity shall sign the contract.</p> <p>60.2 Failure of the successful Tenderer to sign the Contract, as stated under ITT Sub Clause 58.1, shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the next lowest evaluated responsive Tenderer, who is determined by the TEC to be qualified to perform the Contract satisfactorily.</p>
61. Publication of Notification of Award of Contract	61.1 The NOA for contracts shall be published by the Procuring Entity on its Notice Board and where applicable, on website of the Procuring Entity and, that notice shall be kept posted for not less than a month.
62. Debriefing of Tenderers	62.1 Debriefing of Tenderers by the Procuring Entity shall outline the relative status and weakness only of his or her Tender requesting to be informed of the grounds for not accepting the Tender submitted by him or her, without disclosing information about any other Tenderer.
63. Right to Complain	63.1 Tenderer has the right to complain in accordance with the Appendix-1



Section 2. Tender Data Sheet

ITT Clause

Amendments of, and Supplements to, Clauses in the Instructions to Tenderers

A. General

ITT 1.1

The Procuring Entity is *Senior Manager, Procurement & Supply Chain , Save the Children*

The Name of the Tender is: Repairing/Refurbishing of Seventeen (17) Multipurpose Cyclone Shelter/Primary School under Cox'sbazar and Bandarban Hill District (Total-5 Lots)

Lot 1:

A: Repairing/Refurbishing of Uttor Lemshikhali GPS, Kutubdia

B: Repairing/Refurbishing of Tabaler Char Govt. Primary School, Kutubdia

C: Repairing/Refurbishing of Kazi Helal GPS, Kutubdia

Lot 2:

A: Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS, Pekua

B: Repairing Refurbishing of Moddho Mognama GPS, Pekua /

C: Repairing/Refurbishing of Uttar Mognama GPS, Pekua

D: Repairing/Refurbishing of Nondirpara GPS, Pekua

Lot 3:

A: Repairing/Refurbishing of Baishpari, Naikhongchari

B: Repairing/Refurbishing of Sonaichori, Naikhongchari

C: Repairing/Refurbishing of Thuihlaong para, Naikhongchari

Lot 4:

A: Repairing/Refurbishing of Shabek Bilchori GPS, Lama

B: Repairing/Refurbishing of Kalingabil GPS, Lama

C: Repairing/Refurbishing of Yangchamukh Headmanpara GPS, Lama

D: Repairing/Refurbishing of Sipahi Habibur Rahman GPS, Lama

Lot 5:

A: Repairing/Refurbishing of Tarabunia Shofiul Alam GPS, Alikadam

B: Repairing/Refurbishing of Cholkhong Tripura GPS, Alikadam

C: Repairing/Refurbishing of Asoti Tripura Para GPS, Alikadam



B. Tender Document	
ITT 6.1	<p>For clarification of Tender Document purposes only: Attention: Senior Manager</p> <p>Address: Procurement & Supply Chain, Save the Children, House No. CWN (A) 35, Road No. 43, Gulshan – 2, Dhaka -1212. Telephone: +88-09612555333 e-mail address: rakib.ahmed1@savethechildren.org and contact Procuring Entity within March 01, 2020</p> <p>Note: IFT soft copy and further update please keep follow the link; http://procurement.scibd.info/ <u>Downloaded copy is acceptable for tender participation</u></p>
ITT 7.1	<p>The Pre- Tender meeting shall be held according to following Date, Time & Place:</p> <p>Primary Location:</p> <p>1) March 01, 2020 at 3:00 PM at Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh.</p> <p>Secondary Location:</p> <p>2) February 25, 2020 at 10:30 AM at Kutubdia Upazila Hall Room, Kutubdia and Pekua: at 3:00 PM Mukti Cox's Bazar Office, House of Shahnaz Begum (1st Floor), Adrosho Mohila Madrasha Road (Opposite of Bureau Bangladesh), Pekua, Cox's Bazar.</p> <p>3) February 26, 2020 at 11:00 AM at Alikadam: Green Hill Office, Palong Para, Pan Bazar Thanchi Road, Alikadam and Lama: at 3:00 PM, Green Hill Office, Modhujhiri (Near Ansar VDP office), Lama.</p> <p>4) February 27, 2020 at 10:30 AM at Naikhongchari: Upazila Hall Room, Naikhongchari, Bandarban.</p> <p>(Combined meeting minutes will be available at http://procurement.scibd.info/ on March 02, 2020 for all locations)</p>
C. Qualification Criteria	
ITT 10.1(a)	The minimum number of years of general experience of the Tenderer in the construction works shall be three (3) years .
ITT 10.1(b)	<p>The minimum experience in construction/Repairing/Refurbishing works of at least two (2) contract(s) successfully completed within the last five (5) years, each with a value of at</p> <p>Tk. 6,000,000 for Lot-1 Tk. 4,000,000 for Lot-2 Tk. 3,000,000 for Lot-3 Tk. 3,500,000 for Lot-4 Tk. 2,500,000 for Lot-5</p> <p>Note: If anyone bid for multiple Lots in that case any bidder complying for higher value lot will be eligible for the lower value lot(s) also.</p>
ITT 11.1(a)	<p>The required average annual turnover shall be greater than the amount mentioned on lot basis below over any two (2) years out of last five (5) years.</p> <p>Tk. 11,000,000 for Lot-1 Tk. 7,000,000 for Lot-2 Tk. 5,500,000 for Lot-3 Tk. 6,500,000 for Lot-4 Tk. 5,000,000 for Lot-5</p>

	Note: If anyone bid for multiple Lots in that case any bidder complying for higher value lot will be eligible for the lower value lot(s) also. *PO/Contract/Completion Certification with value/Audit Report should be submitted as proof of turnover.																		
ITT 11.1(b)	The minimum amount of liquid assets i.e. working capital or credit line(s) of the Tenderer shall be: Tk. 7,500,000 for Lot-1 Tk. 4,500,000 for Lot-2 Tk. 3,500,000 for Lot-3 Tk. 4,000,000 for Lot-4 Tk. 3,000,000 for Lot-5 Note: If anyone bid for multiple Lots in that case summation value will be applicable. Bank Statement/Balance Certificate/Credit facilities should be submitted as proof for liquid asset. The documents should be issued and valid during tender period.																		
ITT 12.1	The following key personnel shall have the qualifications and experience mentioned against each Lot: <table border="1" data-bbox="428 814 1365 1182"> <thead> <tr> <th>Lot No</th> <th>Position</th> <th>Experience in construction/Repairing/Refurbishing works (Minimum, Years)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Site engineer</td> <td>3 years</td> </tr> <tr> <td>2</td> <td>Site engineer</td> <td>3 years</td> </tr> <tr> <td>3</td> <td>Site engineer</td> <td>3 years</td> </tr> <tr> <td>4</td> <td>Site engineer</td> <td>3 years</td> </tr> <tr> <td>5</td> <td>Site engineer</td> <td>3 years</td> </tr> </tbody> </table> Note: If anyone bid for multiple Lots in that case multiple site engineers as per the number of lots applied will be required to be eligible.	Lot No	Position	Experience in construction/Repairing/Refurbishing works (Minimum, Years)	1	Site engineer	3 years	2	Site engineer	3 years	3	Site engineer	3 years	4	Site engineer	3 years	5	Site engineer	3 years
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2	Site engineer	3 years																	
3	Site engineer	3 years																	
4	Site engineer	3 years																	
5	Site engineer	3 years																	
ITT 18.1	Tenderers are <u>strongly recommended</u> to visit Site visit before offer submission. Site visit report submission is not mandatory.																		
D. Tender Preparation																			
ITT 19.1(i)	Not required to submit original receipt for tender document purchase as download copy is acceptable.																		
ITT 24.1	The Tender Price validity period shall be one hundred & twenty (120) days.																		
ITT 26.1	The amount of the Tender Security against each lot shall be as follows and in the form of pay order / demand draft/BG in favour of <i>“Save the Children International”</i> Tk. 300,000 for Lot-1 Tk. 200,000 for Lot-2 Tk. 150,000 for Lot-3 Tk. 150,000 for Lot-4 Tk. 100,000 for Lot-5 Note: If anyone bid for multiple Lots in that case summation value will be applicable																		

Evaluation (Technical & Financial)	Tender evaluation committee (TEC) or Procurement committee (PC) will review the technical as well as financial proposal as per below evaluation criteria.																			
Evaluation Criteria	<p>Award of the contract will be based on the following criteria:</p> <p>CAPABILITY CRITERIA (50% weightage)</p> <p>The following criteria are considered very important in the evaluation of this tender</p> <table border="1" data-bbox="431 453 1456 1915"> <thead> <tr> <th data-bbox="431 453 521 558">Sl. no</th> <th data-bbox="529 453 1292 558">Technical Evaluation criteria (Minimum criteria for full mark; others less than minimum will get proportionate marking)</th> <th data-bbox="1300 453 1456 558">Assigned score</th> </tr> </thead> <tbody> <tr> <td data-bbox="431 558 521 663">1</td> <td data-bbox="529 558 1292 663">Delivery Lead time from PO/Contract (Full Score –by 4 Months – 10, 4.5 Months - 7, 5 Months – 5, More than 5 Months – 0)</td> <td data-bbox="1300 558 1456 663">10</td> </tr> <tr> <td data-bbox="431 663 521 1167">2</td> <td data-bbox="529 663 1292 1167">Size/turnover of organization The required average annual turnover shall be greater than the amount mentioned on lot basis below over any two (2) years out of last five (5) years. 25 Marks – More than Lot wise requirement X 2 (Two times), 15 Marks – Lot wise Requirement (Reference: Purchase Order/Contract/ Completion Certificate with value/Audit Report) Lot wise minimum requirement – Tk. 11,000,000 for Lot-1 Tk. 7,000,000 for Lot-2 Tk. 5,500,000 for Lot-3 Tk. 6,500,000 for Lot-4 Tk. 5,000,000 for Lot-5 If anyone bid for multiple Lots in that case evaluation will be considered for cumulative value of the applied lots</td> <td data-bbox="1300 663 1456 1167">25</td> </tr> <tr> <td data-bbox="431 1167 521 1629">3</td> <td data-bbox="529 1167 1292 1629">Reference Work order/Purchase Order/Contract/Completion Certificate with value 25 Marks – 4 Purchase order meeting lot wise requirement, 18 Marks – 3 Purchase order meeting lot wise requirement, 10 Marks – 2 Purchase order meeting lot wise requirement Lot wise minimum requirement – Tk. 6,000,000 for Lot-1 Tk. 4,000,000 for Lot-2 Tk. 3,000,000 for Lot-3 Tk. 3,500,000 for Lot-4 Tk. 2,500,000 for Lot-5 Construction/Repairing/Refurbishing works successfully completed within the last five (5) years If anyone bid for multiple Lots in that case evaluation will be considered for highest value applied lot</td> <td data-bbox="1300 1167 1456 1629">25</td> </tr> <tr> <td data-bbox="431 1629 521 1734">4</td> <td data-bbox="529 1629 1292 1734">Relevant experience in Construction/Refurbishing works in Chittagong Division : 3 Year – 10, 4 Years – 15 & 5 years or above - 20</td> <td data-bbox="1300 1629 1456 1734">20</td> </tr> <tr> <td data-bbox="431 1734 521 1915">5</td> <td data-bbox="529 1734 1292 1915">Client List/Organization Reference: (Category of Organization) I. INGO/NGO/UN/Development organizations/ GoB/Donor Agency/Embassy II. Multinational Companies/Local corporate/International</td> <td data-bbox="1300 1734 1456 1915">20</td> </tr> </tbody> </table>		Sl. no	Technical Evaluation criteria (Minimum criteria for full mark; others less than minimum will get proportionate marking)	Assigned score	1	Delivery Lead time from PO/Contract (Full Score –by 4 Months – 10, 4.5 Months - 7, 5 Months – 5, More than 5 Months – 0)	10	2	Size/turnover of organization The required average annual turnover shall be greater than the amount mentioned on lot basis below over any two (2) years out of last five (5) years. 25 Marks – More than Lot wise requirement X 2 (Two times), 15 Marks – Lot wise Requirement (Reference: Purchase Order/Contract/ Completion Certificate with value/Audit Report) Lot wise minimum requirement – Tk. 11,000,000 for Lot-1 Tk. 7,000,000 for Lot-2 Tk. 5,500,000 for Lot-3 Tk. 6,500,000 for Lot-4 Tk. 5,000,000 for Lot-5 If anyone bid for multiple Lots in that case evaluation will be considered for cumulative value of the applied lots	25	3	Reference Work order/Purchase Order/Contract/Completion Certificate with value 25 Marks – 4 Purchase order meeting lot wise requirement, 18 Marks – 3 Purchase order meeting lot wise requirement, 10 Marks – 2 Purchase order meeting lot wise requirement Lot wise minimum requirement – Tk. 6,000,000 for Lot-1 Tk. 4,000,000 for Lot-2 Tk. 3,000,000 for Lot-3 Tk. 3,500,000 for Lot-4 Tk. 2,500,000 for Lot-5 Construction/Repairing/Refurbishing works successfully completed within the last five (5) years If anyone bid for multiple Lots in that case evaluation will be considered for highest value applied lot	25	4	Relevant experience in Construction/Refurbishing works in Chittagong Division : 3 Year – 10, 4 Years – 15 & 5 years or above - 20	20	5	Client List/Organization Reference: (Category of Organization) I. INGO/NGO/UN/Development organizations/ GoB/Donor Agency/Embassy II. Multinational Companies/Local corporate/International	20
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	<p>Organization/ Hospital</p> <p>III. Banks & reputed Financial Institutions (20 points for ≥ 10 clients and each client 2 points). <u>Need to submit the purchase order/reference with contact details as supporting document</u></p>	
	Total	100
<p>COMMERCIAL CRITERIA</p> <p>Cost factor-pricing (50 % weightage)</p> <p>SELECTION METHOD:</p> <p>Highest Ranking Evaluated bidder’s will be selected based on meeting eligible criteria and combine score of Capability & Commercial criteria.</p>		
<p>E. Tender Submission</p>		
ITT 33.1	<p>For <u>Tender submission purposes</u>, the address is:</p> <p>Attention: <i>Senior Manager, Procurement & Supply Chain</i></p> <p>Address: Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh</p> <p>The deadline for submission of Tenders is: on or before 2.30 PM on March 16, 2020</p>	
<p>F. Tender Opening and Evaluation</p>		
ITT 39.1	<p>The Tender opening shall take place at:</p> <p>Address: Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh</p> <p>Date & Time: March 16, 2020 at 2:30 PM in presence of tenderer (if any).</p>	
<p>G. Contract Award</p>		
ITT 54.1	<p>The amount of Performance Security shall be ten (10) percent of the Contract Price which will be returnable after completing successful defect liability period.</p>	

Section 3. General Conditions of Contract

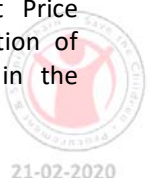
A. General

1. Definitions

1.1 In the Conditions of Contract, which include Particular Conditions and these General Conditions, the following words and expressions shall have the meaning hereby assigned to them. Boldface type is used to identify the defined terms:

- (a) **Act** means The Public Procurement Act, 2006 (Act 24 of 2006)
- (b) **Approving Authority** means the authority which, approves the award of contract.
- (c) **Bill of Quantities (BOQ)** means the priced and completed Bill of Quantities forming part of the Contract defined in GCC Clause 32.
- (d) **Compensation Events** are those defined in GCC Clause 38.
- (e) **Completion Date** is the actual date of completion of the Works and physical services certified by the Project Manager, in accordance with GCC Clause 42.
- (f) **Contract Agreement** means the Agreement entered into between the Procuring Entity and the Contractor, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein to execute, complete, and maintain the Works.
- (g) **Contract Documents** means the documents listed in GCC Clause 5, including any amendments thereto.
- (h) **Contractor** means the Person under contract with the Procuring Entity for the execution of Works.
- (i) **Contract Price** means the price payable to the Contractor as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, for the execution, completion and maintenance of the Works in accordance with the provisions of the Contract.

- (j) **Contractor's Tender** is the completed Tender Document including the priced BOQ and the Schedules submitted by the Contractor to the Procuring Entity.
- (k) **Cost** means all expenditures reasonably incurred or to be incurred by the Contractor, whether on or off the Site, including overhead, profit, taxes, duties, fees and such other similar levies.
- (l) **Day** means calendar day unless otherwise specified as working days.
- (m) **Defect** is any part of the work not completed in accordance with the Contract.
- (n) **Defects Correction Certificate** is the certificate issued by the Project Manager upon correction of defects by the Contractor.
- (o) **Drawings** include calculations and other information provided in Section 9 or as approved by the Project Manager for the execution and completion of the Contract.
- (p) **Equipment** is the Contractor's apparatus, machinery, vehicles and other things required for the execution and completion of the Works and remedying any defects excluding Temporary Works and the Procuring Entity's Equipment (if any), Plant, Materials and any other things to form or forming part of the Permanent Works.
- (q) **GCC** means the General Conditions of Contract.
- (r) **Government** means the Government of the People's Republic of Bangladesh.
- (s) **"Head of the Procuring Entity"** means the Director of Save the Children posted in Bangladesh
- (t) **Materials** means things of all kinds other than Plant intended to form or forming part of the Permanent Works, including the supply-only materials, if any, to be supplied by the Contractor under the Contract.
- (u) **Month** means calendar month.
- (v) **Original Contract Price** is the Contract Price stated in the Procuring Entity's Notification of Award and further clearly determined in the



Contract.

- (w) **Permanent works** means the permanent works to be executed by the Contractor under the Contract.
- (x) **PCC** means the Particular Conditions of Contract.
- (y) **Plant** means the apparatus, machinery and other equipment intended to form or forming part of the Permanent Works, including vehicles purchased for the Procuring Entity and relating to the construction of the Works and physical services.
- (z) **Procuring Entity** means a Procuring Entity having administrative and financial powers to undertake procurement of Works using funds and is as named in the **PCC** who employs the Contractor to carry out the Works.
- (aa) **Project Manager** is the person named in the **PCC** or any other competent person appointed by the Procuring Entity and notified to the Contractor who is responsible for supervising the execution and completion of the Works and physical services and administering the Contract.
- (bb) **Schedules** means the document(s) entitled schedules, completed by the Contractor and submitted with the Tender Submission Letter, as included in the Contract. Such document may include the data, lists and schedules of rates and/or prices.
- (cc) **Site** means the places where the Permanent Works are to be executed including storage and working areas and any other places as may be specified in the **PCC** as forming part of the Site.
- (dd) **Specification** means the Specification of the Works included in the Contract and any modifications or additions to the specifications made or approved by the Project Manager in accordance with the Contract.
- (ee) **Start Date** is the last date by which the Contractor shall commence execution of the Works under the Contract.
- (ff) **Temporary Works** means all temporary works of every kind other than Contractor's Equipment required on the Site for the execution and



completion of the Permanent Works and remedying of any defects.

(gg) Variation means any change to the Works directly procured from the original Contractor to cover increases or decreases in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.

(hh) Works means all works associated with the construction, reconstruction, site preparation, demolition, repair, maintenance or Repairing/Refurbishing of railways, roads, highways, or a building, an infrastructure or structure or an installation or any construction work relating to excavation, installation of equipment and materials, decoration, as well as physical services ancillary to works as detailed in the **PCC**, if the value of those services does not exceed that of the Works themselves.

(ii) Writing means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail.

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|--|-----|---|
| 2. Communications & Notices | 2.1 | Communications between Parties (notice, request or consent required or permitted to be given or made by one party to the other) pursuant to the Contract shall be in writing to the addresses specified in the PCC . A notice shall be effective when delivered or on the notice's effective date, whichever is later. |
| 3. Governing Law | 3.1 | The Contract shall be governed by and interpreted in accordance with the laws of the People's Republic of Bangladesh. |
| 4. Governing Language | 4.1 | The Contract shall be written in English. All correspondences and documents relating to the Contract may be written in English or <i>Bangla</i> . |
| 5. Documents Forming the Contract and Priority of Documents | 5.1 | The following documents forming the Contract shall be interpreted in the following order of priority:
(a) signed Contract Agreement (Form -6);
(b) Notification of Award (Form-5);
(c) the completed Tender;
(d) the Particular Conditions of Contract;
(e) the General Conditions of Contract; |

- (f) the Drawings;
 - (g) the priced Bill of Quantities and the Schedules ; and
 - (h) any other document listed in the **PCC** forming part of the Contract.
- 6. Scope of Works** 6.1 The Works to be executed, completed and maintained shall be as specified in the BOQ, the General and Particular Specifications and Drawings.
- 7. Assignment** 7.1 Neither the Contractor nor the Procuring Entity shall assign, in whole or in part, its obligations under the Contract.
- 8. Eligibility** 8.1 The Contractor shall be a Bangladeshi national.
- 9. Gratuities / Agency Fees** 9.1 No fees, gratuities, rebates, gifts, commissions or other payments, other than those shown in the Tender or in the Contract, have been given or received in connection with the procurement process or in the Contract execution.
- 10. Possession of the Site** 10.1 The Procuring Entity shall give possession of the Site to the Contractor on the date specified in the **PCC**. If possession of the Site is not given by the date specified, the Procuring Entity will be deemed to have delayed the start of the relevant activities, and in that case Intended Completion Date shall be extended in consultation with Contractor.
- 11. Procuring Entity's Responsibilities** 11.1 The Procuring Entity shall pay the Contractor, in consideration of the satisfactory progress of execution and completion of the Works, and the remedying of defects therein, the Contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract Agreement.
- 12. Contractor's Responsibilities** 12.1 The Contractor shall execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract Agreement.
- 13. Taxes and Duties** 13.1 The Contractor shall be entirely responsible for all applicable taxes, custom duties, VAT and other levies imposed or incurred inside and outside Bangladesh.



- 14. Contractor's Personnel**
- 14.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the **PCC**, to carry out the functions stated in the Schedule or other personnel approved by the Project Manager.
- 14.2 If the Project Manager asks the Contractor to remove a particular person who is a member of the Contractor's staff or work force from the Site, he or she shall state the reasons, and the Contractor shall ensure that the person leaves the Site within three (3) days and has no further connection with the work in the Contract.
- 15. Subcontracting**
- 15.1 Subcontracting the whole of the Works by the Contractor shall not be permissible.
- 16. Instructions**
- 16.1 The Contractor shall carry out all instructions of the Project Manager that comply with the applicable law.
- 17. Corrupt, Fraudulent, Collusive or Coercive Practices**
- 17.1 The Procuring Entity's, as well as the Contractor shall observe the highest standard of ethics during implementation of procurement proceedings and the execution of Contracts under public funds
- 17.2 If corrupt, fraudulent, collusive or coercive practices of any kind determined by the Procuring Entity against the Contractor alleged to have carried out such practices, the Procuring Entity's shall -
- (a) exclude the concerned Tenderer from further participation in the particular Procurement proceeding; or
 - (b) declare, at its discretion, the concerned Tenderer to be ineligible to participate in further Procurement proceedings, either indefinitely or for a specific period of time.

B. Time Control

- 18. Start Date**
- 18.1 Start Date is the date defined in the **PCC** and it is the last date by which the Contractor shall start execution of the Works under the Contract.
- 19. Intended Completion Date**
- 19.1 Intended Completion Date is the date calculated from the Start Date as specified in the **PCC**, on which it is intended that the Contractor shall complete the Works and physical services as specified in the Contract and may be revised only by the Project Manager by issuing an extension of time.
- 20. Completion of Works**
- 20.1 The Contractor shall carry out the Works in accordance with



the Programme of Works submitted by the Contractor and as updated with the approval of the Project Manager as stated under GCC Clause 21 to complete them in all respects by the Intended Completion Date.

21. Programme of Works

- 21.1 Within the time stated in the **PCC**, the Contractor shall submit to the Project Manager, for approval a Programme showing the general methods, arrangements, order, and timing for all the activities in the Works.
- 21.2 The Contractor shall submit to the Project Manager for approval of an updated programme as required by the Project Manager.

22. Pro-rata Progress

- 22.1 The Contractor shall maintain Pro-rata progress of the Works. Progress to be achieved shall be pursuant to GCC Clause 21 and shall be determined in terms of the value of the works done.

23. Extension of the Intended Completion Date

- 23.1 The Contractor shall be entitled to an extension of the Intended Completion Date, if and to the extent that completion of the Works or any part thereof is or will be delayed by Compensation Events or a Variation Order.
- 23.2 If the Contractor considers itself to be entitled to an extension of the execution period as stated under GCC Sub Clause 23.1, the Contractor shall give notice, not later than twenty-eight (28) days after the Contractor became aware or should have become aware of the event or circumstance, to the Project Manager.
- 23.3 The Project Manager may extend the Intended Completion Date by twenty (20) percent of the original Contract time as stated under GCC Sub Clause 19.1.
- 23.4 In the case an extension of the Intended Completion Date required more than twenty (20) percent of the original Contract time, approval of the Head of the Procuring Entity or an officer authorised by him/her for the same shall be required to be obtained.

C. Quality Control

24. Execution of Works

- 24.1 The Contractor shall construct, install and carry out the Works and physical services in accordance with the Drawings as scheduled in GCC Clause 5.

25. Identifying Defects

- 25.1 The Project Manager shall check the works executed by the Contractor and notify the Contractor of any Defects found. Such checking shall not relieve the Contractor from his or her obligations. The Project Manager may also instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.

26. Testing

26.1 The Contractor shall carry out routine Tests of materials and works based on the progress of works to ensure the quality of completed works in accordance with standard methods determined by the Project Manager.

26.2 If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event pursuant to GCC Sub Clause 38.1(a).

27. Rejection of Works

27.1 If, as a result of an examination, inspection, measurement or testing, of Works it is found to be defective or otherwise not in accordance with the Contract, the Project Manager may reject the Works by giving notice to the Contractor, with reasons. The Contractor shall then promptly make good the defect and ensure that the rejected Works subsequently complies with the Contract.

28. Remedial Work

28.1 Notwithstanding any test, the Project Manager by visual inspection or field tests may instruct the Contractor to:

- (a) remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,
- (b) remove and re-execute any other work which is not in accordance with the Contract, and
- (c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseeable event or otherwise.

28.2 If the Contractor fails to comply with the instruction issued under GCC Sub Clause 28.1, the Procuring Entity shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall be liable to pay all such costs arising from this failure.

29. Correction of Defects

29.1 The Project Manager shall give notice to the Contractor, with a copy to the Procuring Entity and others concerned, of any Defects before the end of the **Defects Liability Period**, which begins at Completion Date, and is defined in the **PCC**. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

29.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager's notice.

30. Uncorrected Defects

If the Contractor has not corrected a Defect within the time

specified in the Project Manager's notice, the Project Manager shall assess the cost of having the Defect corrected by it, and the Contractor shall remain liable to pay the expenditures incurred on account of correction of such Defect.

D. Cost Control

31. Contract Price

31.1 The Contract Price shall be as specified in the Contract Agreement subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to Contract.

32. Bill of Quantities (BOQ)

32.1 The Bill of Quantities shall contain priced items for the construction, installation, testing, and commissioning work to be done by the Contractor.

32.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done in the Bill of Quantities for each item.

32.3 Items of works quantified in the BOQ for which no rates have been quoted shall be deemed covered by the amounts at rates of other items in the Contract and, shall under no circumstances be paid for, by the Procuring Entity.

33. Changes in the Quantities and Unit Rate

33.1 If the final quantity of the work done for any particular item increases from the quantity in the BOQ by more than twenty-five (25) percent, and, such increase in quantity of that particular item alone concurrently causes the original Contract Price to exceed by more than one (1) percent, the Project Manager shall adjust the unit rate of the item to allow for the change.

34. Issue of Variation or Extra Work Order

34.1 The Project Manager may issue a **Variation Order** to the Contractor to cover increase or decrease in quantities, including the introduction of new work items (non-Tendered items) that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.

34.2 The Project Manager may issue an **Extra Work Order** to cover the introduction of such new works necessary for the completion, improvement or protection of the original works which were not included in the original contract, on the grounds where there are subsurface or latent physical conditions at the site differing materially from those indicated in the contract, or where there are duly unknown physical conditions at the site of an unusual nature differing materially from those usually encountered and generally recognized as inherent in the work or character provided for in the

Contract.

34.3 The Project Manager deems it necessary that a Variation or Extra Work Order should be issued, he or she shall prepare the proposed order, the necessary plans, his or her computations as to the quantities of the additional Works involved per item indicating the specific locations where such Works are needed, the date of his or her inspections and investigations thereon, and the log book thereof, and a detailed estimate of the unit cost of such items of work as stated under GCC Clause 35, together with his or her justifications for the need of such Variation or Extra Work Order, and shall submit the same to the Approving Authority.

34.4 The Head of the Procuring Entity may, in exceptions to the GCC Sub Clause 34.3 and subject to the availability of funds, in the event of extreme emergency and when time is of the essence, authorize the immediate start of work under any Variation or Extra Work Order; provided that the cumulative increase in the value of Works not yet duly approved exceeded ten (10) percent of the adjusted original Contract Price.

34.5 Increase or decrease in the quantities of any item of work included in the BOQ for the reasons other than those stated under GCC Sub Clause 34.1 and 34.2, in particular for field level actual measurements under this contract (admeasurements), not necessarily however, shall constitute a **Variation**.

34.6 All Variations and Extra Work Orders under the Contract shall be included in the updated Programme of Works produced by the Contractor.

35. Costing of Variation Orders or Extra Work Orders

35.1 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven (7) working days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.

35.2 If the item of work in the Variation corresponds to an item of work in the BOQ and if, in the opinion of the Project Manager, the increased quantity and cost of the works of that particular item does not concurrently cause to exceed the limit stated in GCC Sub Clause 33.1, the same unit rate in the BOQ shall be used to calculate the cost of the Variation. If the item of work in the Variation does not correspond to an item in the BOQ, the unit rates for the new items of works shall be determined based on (i) the direct unit costs used in the original Contract for other

items (e.g. unit cost of cement, steel bar, labour rate, equipment rental, etc) as indicated in the Contractor's price breakdown of the cost estimate, if available or (ii) fixed prices acceptable to both, the Procuring Entity and the Contractor, based on market prices. The direct cost of the new work items based on (i) or (ii) stated herein shall then be combined with the mark-up factor (i.e. profit, overhead and VAT) used by the Contractor in its Tender to determine the unit rate of the new items of work.

35.3 If the Contractor's quotation is found to be unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs..

36. Payment Certificates

36.1 The basis for payment certificates shall be BOQ used to determine the Contract price.

36.2 The Contractor shall submit to the Project Manager. The payment will be made as per below mentioned schedule:

a) 1st 30% progress payment will be made against 50 % of total work (lot wise)

b) 2nd 30% of Progress payment will be made against 80% of Total works (lot wise)

c) and final 40% of progress payment will be made after completion of 100% works

d) The Final payment will be released subject to the submission of 10% performance security/ retention money.

36.3 The Project Manager shall check the Contractor's progress report and certify the amount to be paid to the Contractor.

36.4 The value of work executed shall be determined by the Project Manager and, may also include the valuation of Variations or Extra Work Orders and Compensation Events.

36.5 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

37. Payments to the Contractor

37.1 The Procuring Entity shall pay the Contractor, the amounts certified by the Project Manager within twenty-eight (28) days of the date of each certificate after due adjustments.

37.2 Payments for Works under Variation Orders or Extra Work Orders satisfactorily accomplished, pursuant to GCC



Clause 34, may be made only after approval of the same by the Approving Authority or next higher, as appropriate.

37.3 Payments due to the Contractor in each certificate shall be made into the Bank Account, in any scheduled Bank of Bangladesh, of the legal title of the Contract specified in the **PCC**, nominated by the Contractor in the currency specified in the Contract.

38. Compensation Events

The following shall be Compensation Events:

- (a) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects as stated under GCC sub Clause 26.2;
- (b) Other Compensation Events described in the Contract or determined by the Project Manager in the **PCC** shall apply;

38.1 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended.

39. Retention Money

39.1 The Procuring Entity may retain from each progressive payment due to the Contractor at the percentage specified in the **PCC** until completion of the whole of the Works under the Contract.

39.2 On completion of the whole of the Works, the first half of the total amount retained under GCC Sub Clause 39.1 shall be returned to the Contractor and the remaining second half after the Defects Liability Period has passed and the Project Manager has certified in the form of **Defects Corrections Certificate**.



40. Liquidated Damages

- 40.1 If the Contractor fails to complete the Works within the Intended Completion Date or extended Intended Completion Date, the Procuring Entity shall, as Liquidated Damages, deduct from the Contract Price, a sum at the percent-rate per day of delay as specified in the **PCC**, of the contract value of the uncompleted works or part thereof completed after the Intended Completion Date or extended Intended Completion Date, as applicable. The total amount of Liquidated Damages shall not exceed the amount specified in the **PCC**. The Procuring Entity may deduct Liquidated Damages from payments due to the Contractor. Payment of Liquidated damages shall not affect the Contractor's liabilities.
- 40.2 If the Intended Completion Date is extended after Liquidated Damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate.

41. Performance Security

- 41.1 The Procuring Entity shall notify the Contractor of any claim made against the Bank issuing the Performance Security.
- 41.2 The Procuring Entity may claim against the security if any of the following events occurs for fourteen (14) days or more.
- (a) The Contractor is in breach of the Contract and the Procuring Entity has duly notified him or her; and
 - b) The Contractor has not paid an amount due to the Procuring Entity and the Procuring Entity has duly notified him or her.
- 41.3 In the event as stated under GCC Sub Clause 41.2, the Contractor is liable to pay compensation under the Contract amounting to the full value of the security or more, the Procuring Entity may call the full amount of the security.
- 41.4 The Performance Security furnished at the time of signing of the Contract Agreement shall be substituted, after the issuance of certificate of Completion of works by the Project Manager, by a new Security covering fifty (50) percent amount of the Performance Security to cover the Defects Liability Period.
- 41.5 If there is no reason to call the security, the security shall be discharged by the Procuring Entity and returned to the Contractor after the Defects Liability period has passed and the Project Manager has certified in the form of Defects Corrections Certificates and the Procuring Entity shall not make any claim under the security, except for amounts to which the Procuring Entity is entitled under this Contract. In the event this Contract is significantly below the updated

official estimated cost or unbalanced as a result of front loading, the Procuring Entity shall call the full amount of the security in the circumstances stated under GCC Sub Clause 41.3.

E. Completion of Contract

- 42. Completion** 42.1 The Contractor shall apply by notice to the Project Manager for issuing a **Completion Certificate** of the Works, and the Project Manager shall do so upon deciding that the work is completed.
- 43. Taking Over** 43.1 Procuring Entity shall Take-Over the Site and the Works within seven (7) days of the Project Manager issuing a Completion Certificate under GCC Sub Clause 42.1
- 44. Amendment to Contract** 44.1 The amendment to Contract shall generally include extension of time to the Intended Completion Date, increase or decrease in original Contract price and any other changes acceptable under the conditions of the Contract.
- 44.2 The Procuring Entity shall amend the Contract incorporating the changes approved and introduced to the original terms and conditions of the Contract.
- 45. Final Account** 45.1 The Contractor shall submit with a detailed account of the total amount that the Contractor considers payable under the Contract to the Project Manager before the end of the **Defects Liability Period**.
- 45.2 The Project Manager shall certify the **Final Payment** within thirty (30) days of receiving the Contractor's account if the payable amount claimed by the Contractor is correct and the corresponding works are completed.
- 45.3 If it is not, the Project Manager shall issue within thirty (30) days a **Defects Liability Schedule** that states the scope of the corrections or additions that are necessary.
- 46. Release from Performance** 46.1 If any event or circumstance outside the control of the Parties arises which makes it impossible or unlawful for either or both parties to fulfil its or their contractual obligations, then upon notice by either party to the other party of such event or circumstance, the parties shall be discharged from further performance, without prejudice to the rights of either party in respect of any previous breach of the Contract.

F. Termination

- 47. Termination** 47.1 **Termination for Default**
- (a) The Procuring Entity, without prejudice to any

other remedy for breach of Contract, by giving twenty-eight (28) days written notice of default to the Contractor, may terminate the Contract in whole or in part if the Contractor causes a fundamental breach of Contract.

- (b) Fundamental breaches of the Contract shall include, but shall not be limited to, the following:
 - (i) the Contractor stops work for twenty-eight (28) days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Project Manager;
 - (ii) the Project Manager gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;
 - (iii) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of Liquidated Damages can be paid, as specified in GCC Sub Clause 40.1;
 - (iv) the Contractor, in the judgment of the Procuring Entity has engaged in corrupt or fraudulent practices as defined in GCC Clause 17, in competing for or in executing the Contract.

47.2 The expiration of the Intended Completion Date under GCC Sub Clause 19.1 and, the initiation of settlement of disputes like amicable and arbitration under GCC Clause 50 shall not be deemed a termination of the Contract under GCC Clause 47.

48. Payment upon Termination

48.1 If the Contract is terminated because of a fundamental breach of Contract under GCC Sub Clause 47.1 by the Contractor, the Project Manager shall issue a certificate for the value of the Works done less payments made up to the date of the issuance of the certificate and, further less the amount from percentage to apply to the contract value of the works not completed, as indicated in the **PCC**. If the total amount due to the Procuring Entity exceeds any payment due to the Contractor, the difference shall be a debt payable to the Procuring Entity.

49. Property

49.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Procuring Entity if the Contract is terminated because of the Contractor's default.

G. Disputes and Settlement

50. Settlement of Disputes

50.1 Amicable settlement

The Procuring Entity and the Contractor shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.

50.2 Arbitration

- (a) If the parties are unable to reach a settlement as per GCC Clause 50.1 within twenty-eight (28) days of the first written correspondence on the matter of disagreement, then either party may give notice to the other party of its intention to commence arbitration.
- (b) The arbitration shall be conducted in accordance with the Arbitration Act (**Act No 1 of 2001**) of Bangladesh as at present in force and in the place shown in the **PCC**.



Section 4. Particular Conditions of Contract

<i>Instructions for completing the Particular Conditions of Contract are provided in italics in parenthesis for the relevant GCC Clauses.</i>	
GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
GCC 1.1(h)	The Contractor is <i>[Name and address]</i>
GCC 1.1(z)	The Procuring Entity is Save the Children, Senior Manager, Procurement & Supply Chain, Save the Children, House No. CWN (A) 35, Road No. 43, Gulshan – 2, Dhaka - 1212
GCC 1.1(aa)	The Project Manager : <i>will be provided at the time of Notification of Award</i>
GCC 1.1(cc)	The Sites are located at: Kutubdia, Pekua, Naikhongchari, Lama & Alikadam
GCC 1.1(hh)	<p>The Name of the Tender is: Repairing/Refurbishing of Seventeen (17) Multipurpose Cyclone Shelter/Primary School under Cox’sbazar and Bandarban Hill District (Total-5 Lots)</p> <p>Lot 1:</p> <p>A: Repairing/Refurbishing of Uttor Lemshikhali GPS, Kutubdia B: Repairing/Refurbishing of Tabaler Char GPS, Kutubdia C: Repairing/Refurbishing of Kazi Helal GPS, Kutubdia</p> <p>Lot 2:</p> <p>A: Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS, Pekua B: Repairing Refurbishing of Moddho Mognama GPS, Pekua C: Repairing/Refurbishing of Uttar Mognama GPS, Pekua D: Repairing/Refurbishing of Nondirpara GPS, Pekua</p> <p>Lot 3:</p> <p>A: Repairing/Refurbishing of Baishpari GPS, Naikhongchari B: Repairing/Refurbishing of Sonaichori GPS, Naikhongchari C: Repairing/Refurbishing of Thuihlaong para GPS, Naikhongchari</p> <p>Lot 4:</p> <p>A: Repairing/Refurbishing of Shabek Bilchori GPS, Lama B: Repairing/Refurbishing of Kalingabil GPS, Lama C: Repairing/Refurbishing of Yangchamukh Headmanpara GPS, Lama D: Repairing/Refurbishing of Sipahi Habibur Rahman GPS, Lama</p>

	<p>Lot 5:</p> <p>A: Repairing/Refurbishing of Tarabunia Shofiu Alam GPS, Alikadam</p> <p>B: Repairing/Refurbishing of Cholkhong Tripura GPS, Alikadam</p> <p>C: Repairing/Refurbishing of Asoti Tripura Para GPS, Alikadam</p>																		
GCC 5.1 (j)	Other documents forming part of the Contract are : will be provided at the time of signing of Contract (if deemed necessary)																		
GCC 10.1	Possession of the Site to the Contractor shall be given on the following date: For each Lot Seven days (7) after Contract Signing.																		
GCC 14.1	<p>The following Key Personnel to carry out the functions stated in the Schedule shall be employed by the Contractor: will be given at the time of Notification of Award</p> <table border="1"> <thead> <tr> <th>No</th> <th>Name of Key Personnel</th> <th>Position</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	No	Name of Key Personnel	Position															
No	Name of Key Personnel	Position																	
GCC 18.1	The Start Date shall be within seven (7) days after signing of the Contract																		
GCC 19.1	<p>The Intended Completion Date against each Lot shall be as follows:</p> <p>Lot 1: 4 months after the start date</p> <p>Lot 2: 4 months after the start date</p> <p>Lot 3: 4 months after the start date</p> <p>Lot 4: 4 months after the start date</p> <p>Lot 5: 4 months after the start date</p>																		
GCC 21.1	The Contractor shall submit a Programme for the Works within seven (7) days of signing the Contract.																		
GCC 29.1	The Defects Liability Period is Twelve (12) months from the date of work completion																		
GCC 37.3	<p>The particulars of the Bank Account nominated are as follows:</p> <p>Title of the Account: [insert title to whom the Contract awarded]</p> <p>Name of the Bank: [insert name with code, if any]</p> <p>Name of the Branch: [insert branch name with code, if any]</p> <p>Account Number : [insert number]</p> <p>Address : [insert location with district]</p>																		

	Tel : Fax : e-mail address :
GCC 38.1(e)	The following additional events shall also be the Compensation Events: None
GCC 39.1	The Retention Money @ ten (10) percent shall be deducted from the progressive payments, which will be returned after successful completion.
GCC 40.1	<p>The amount of Liquidated Damages is 0.10 percent of the contract value of the uncompleted works or any part thereof completed after expiry of the Intended Completion Date or extended Intended Completion Date, as applicable, per day of delay.</p> <p><u>[Guide to application of GCC Sub Clause 40.1 above</u></p> <p><i>[Liquidated damages is equivalent to an amount to be determined in accordance with the following formulae</i></p> <p>$T = V \times P \times n$</p> <p>Where;</p> <p>T = Total amount of Liquidated Damages</p> <p>V = Contract Value of Uncompleted Works, completed after the expiry of the Intended Completion Date or extended Intended Completion Date, as applicable</p> <p>P = Percent-rate at which the Liquidated Damages shall be imposed per day of delay</p> <p>n = No of days delayed for completion of uncompleted works or part thereof after the expiry of the Intended Completion Date or extended Intended Completion Date, as applicable.]</p> <p>The maximum amount of Liquidated Damages for the uncompleted Works or any part thereof is <i>ten (10) percent</i> of the final Contract Price of the whole of the Works.</p>
GCC 47.1	The percentage to apply to the contract value of the works not completed, representing the Procuring Entity's additional cost for completing the uncompleted Works, is <i>twenty (20) percent</i> .
GCC 49.2(b)	The arbitration shall be conducted in the place mentioned below; <i>Gulshan, Dhaka</i>

Environmental, Health and Safety (EHS) Requirements:

- Contractor will ensure required Personal Protective Equipment (PPE) for the workers in each of the work sites and ensure that the workers use required PPE (e.g. hand gloves, safety glasses, safety shoe, ladder, safety helmet, harness belt, earmuffs, safety security sign, demarcation of danger area if any, safety jacket etc.)
- Contractor will ensure proper management system for the construction debris
- Contractor will ensure proper management system for construction related waste water
- Contractor will emphasize that children's health and safety is ensured related to their works
- Contractor will take mitigation measures (e.g. sprinkling of water, covering construction materials) to control dusts if generated from their works
- Contractor will ensure safe drinking water and sanitation facilities for the workers in each of the work sites
- Construction Supervisor of Contractor will conduct tool box talk on Environment, Health and Safety (EHS) regularly for the workers before they start their works at each of the work sites. (e.g. First Aid box, fire extinguisher)
- During work in progress the work might be cognizant to GOB official engineers for monitoring
- To safeguard the environment contractor will need to address the measures to be suggested by SCI
- Contractor will need to report on EHS issues as and when required.

Insurance:

Tenderer(s) are responsible for all risk coverage as follows:

The minimum insurance cover shall be: tender quoted price amount for Contractor All Risk (CAR) and duration will be entire duration of the works.

The minimum cover for personal injury or death insurance:

(i) for the Contractor's employees is as per the law and common practice in Bangladesh and.

(ii) third parties is as per the law and common practice in Bangladesh.



Section 5. Tender & Contract Forms

Form	Title
	Tender Forms
1	Tender Submission Letter
2	Tenderer's Information
3	Bank Guarantee for Tender Security
4	Bank's Commitment for Line of Credit (when this option is chosen)
	Contract Forms
5	Notification of Award
6	Contract Agreement
7	Bank Guarantee for Performance Security

Forms-1 and 2 comprise part of the Tender Format and should be completed as stated in ITT Clauses.19.

Forms -5 and 6 comprise part of the Contract as stated in GCC Clause 5.

Tender Submission Letter (Form -1)

[This letter should be completed and signed by the Authorised Signatory preferably on the Letter-Head Pad of the Tenderer]

To:	Date:	
[Name and address of Procuring Entity]		
Invitation for Tender No:	Tender Package No:	Lot No:

In accordance with ITT Clauses 21 and 22, the following prices apply to our Tender:

The Tender Price is: (ITT Clause 21)	Taka [state amount in figures] and Taka[state amount in words]
---	---

In signing this letter, and in submitting our Tender, we also confirm that:

- (a) our Tender shall be valid for the period stated in the Tender Data Sheet (ITT Sub Clause 24.1) and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (b) a Tender Security is attached in the form of a *bank guarantee* in the amount stated in the Tender Data Sheet (ITT Sub Clause 26.1) and valid for a period of twenty-eight (28) days beyond the Tender Validity date;
- (c) we have examined and have no reservations to the Tender Document, issued by you on [insert date]; including Addendum to Tender Document No(s) [state numbers], issued in accordance with the Instructions to Tenderers (ITT Clause 7). [insert the number and issuing date of each addendum; or delete this sentence if no Addendum has been issued];
- (d) We, declare that we are eligible to participate in this Tender and meet the eligibility criteria specified in the Tender Document (ITT Clause 4);
- (e) furthermore, we are aware of ITT Clause 3 concerning such practices and pledge not to indulge in such practices in competing for or in executing the Contract;
- (f) we are not participating as Tenderers in more than one Tender in this Tendering process. We understand that your written Notification of Award shall constitute the acceptance of our Tender and shall become a binding Contract between us, until a formal Contract is prepared and executed;

Signature:

[insert signature of authorised representative of the Tenderer]

Name:

[insert full name of signatory with National ID Number]

In the capacity of:

[insert capacity of signatory]

Duly authorised to sign the Tender for and on behalf of the Tenderer

[ITT Sub Clause 31.2

Attachment 1: Written confirmation authorising the above signatory (ies) to commit the Tenderer



Tenderer Information (Form -2)

[This Form should be completed only by the Tenderer, preferably on its Letter-Head Pad]

Invitation for Tender No:	Tender Package No:	Lot No:
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1. Eligibility Information of the Tenderer [ITT –Clauses 4 & 23]		
1.1	Tenderer’s legal title	
1.2	Tenderer’s registered address	
1.3	Tenderer’s year of registration	
1.4	Tenderer’s Value Added Tax (VAT) Registration Number	
1.5	Tenderer’s Tax Identification Number(TIN)	
1.6	Tenderer to attach photocopies of original documents mentioned aside	All relevant documents stated under ITT Clause 4 & 23
2. Qualification Information of the Tenderer		
2.1	General Experience in Construction Works of Tenderer [insert years of experience]; [ITT Sub Clause 9.1(a)]	
2.2	Specific Experience in Construction Works of Tenderer [ITT Sub Clause 9.1(b)] Completed Contracts of similar nature, complexity and methods/construction technology	
	Contract No	[insert reference no] of [insert year]
	Name of Contract	[insert name]
	Award date	[insert date]
	Completion date	[insert date]
	Total Contract Value	[insert amount]
	Procuring Entity’s Name & Address	[insert details]
2.3	Average Annual Construction Turnover [ITT Sub Clause 10.1(a)] <i>[total certified payments received for contracts in progress or completed for a period as stated under ITT Sub Clause 10.1(a)]</i>	
	Year	Amount
		Taka
2.4	Liquid Assets available to meet the construction cash flow [ITT Sub Clause 10.1(b)]	
	No	Source of Financing
		Amount Available
In order to confirm the above statements the Tenderer shall submit, as applicable, the documents mentioned in ITT Sub Clause 23.1(f).		



2.5	Contact Details [ITT Sub Clause 23.1 (i)]		
	Name, address, and other contact details of Tenderer's Bankers and other Procuring Entity(s) that may provide references, if contacted by this Procuring Entity		
2.6	Qualifications and Experience of Key Personnel Proposed for Contract administration and management [ITT Sub Clause 23.1(g)]		
	Name	Position	Years of Experience
2.7	Construction Equipments Proposed to Carry out the Contract [ITT Sub Clause 23.1(h)]		
	Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased (state owner, lessor or seller)
<i>[Tenderer to list details of each item of construction equipment, as applicable]</i>			



Bank Guarantee for Tender Security (Form -3)

[This is the format for the Tender Security to be issued by any scheduled Bank of Bangladesh in accordance with ITT Clause 35 & 36]

Invitation for Tender No:

Date:

Tender Package No:

Lot No (when applicable)

To:

[Name and address of the Procuring Entity]

TENDER GUARANTEE No: [insert number]

We have been informed that [name of Tenderer] (hereinafter called "the Tenderer") intends to submit to you its Tender dated [date of Tender] (hereinafter called "the Tender") for the execution of the Works of [description of works] under the above Invitation for Tenders (hereinafter called "the IFT").

Furthermore, we understand that, according to your conditions, the Tender must be supported by a Bank Guarantee for Tender Security.

At the request of the Tenderer, we [name of Bank] hereby irrevocably unconditionally undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk [insert amount in figures and words] upon receipt by us of your first written demand accompanied by a written statement that the Tenderer is in breach of its obligation(s) under the Tender conditions, because the Tenderer:

- a. has withdrawn its Tender after opening of Tenders but within the validity of the Tender Security; or
- b. refused to accept the Notification of Award (NOA) within the period as stated under ITT; or
- c. failed to furnish Performance Security within the period stipulated in the NOA; or
- d. refused to sign the Contract Agreement by the time specified in the NOA; or
- e. did not accept the correction of the Tender price following the correction of the arithmetic errors as stated under ITT.

This guarantee will expire

- (a) if the Tenderer is the successful Tenderer, upon our receipt of a copy of the Contract Agreement signed by the Tenderer or a copy of the Performance Security issued to you in accordance with the ITT; or
- (b) if the Tenderer is not the successful Tenderer, twenty-eight (28) days after the expiration of the Tenderer's Tender Validity period, being [date of expiration of the Tender Validity plus twenty-eight (28) days].

Consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal



Letter of Commitment for Bank's Undertaking for Line of Credit (Form -4)

[This is the format for the Credit Line to be issued by any scheduled Bank of Bangladesh in accordance with ITT Clause 23.1 (f)]

Invitation for Tender No:

Date:

Tender Package No:

Lot No (when applicable)

To:

[Name and address of the Procuring Entity]

CREDIT COMMITMENT No: *[insert number]*

We have been informed that *[name of Tenderer]* (hereinafter called "the Tenderer") intends to submit to you its Tender (hereinafter called "the Tender") for the execution of the Works of *[description of works]* under the above Invitation for Tenders (hereinafter called "the IFT").

Furthermore, we understand that, according to your conditions, the Tenderer's Financial Capacity i.e. Liquid Asset must be substantiated by a Letter of Commitment of Bank's Undertaking for Line of Credit.

At the request of, and arrangement with, the Tenderer, we *[name and address of the Bank]* do hereby agree and undertake that *[name and address of the Tenderer]* will be provided by us with a revolving line of credit, in case awarded the Contract, for execution of the Works viz. *[insert name of the works]*, for an amount not less than BDT *[in figure]* (*in words*) for the sole purpose of the execution of the above Contract. This Revolving Line of Credit will be maintained by us until issuance of "**Taking-Over Certificate**" by the Procuring Entity.

In witness whereof, authorised representative of the Bank has hereunto signed and sealed this Letter of Commitment.

Signature

Seal

Notification of Award (Form -5)

Contract No:

Date:

To:

[Name of Contractor]

This is to notify you that your Tender dated *[insert date]* for the execution of the Works for *[name of project/Contract]* for the Contract Price of Tk *[state amount in figures and in words]*, as corrected and modified in accordance with the Instructions to Tenderers, has been approved by *[name of Procuring Entity]*.

You are thus requested to take following actions:

- i. accept in writing the Notification of Award within five (5) working days of its issuance in accordance with ITT Sub Clause 53.3.
- ii. furnish a Performance Security in the form as specified and in the amount of Tk *[state amount in figures and words]*, within fourteen (14) days of acceptance of this Notification of Award but not later than *(specify date)*, in accordance with ITT Clause 54 & 55.
- iii. sign the Contract within twenty-one (21) days of issuance of this Notification of Award but not later than *(specify date)*, in accordance with ITT Sub Clause 58.1.

You may proceed with the execution of the Works only upon completion of the above tasks. You may also please note that this Notification of Award shall constitute the formation of this Contract which shall become binding upon you.

We attach the draft Contract and all other documents for your perusal and signature.

Signed

Duly authorised to sign for and on behalf of *[name of Procuring Entity]*

Date:

Contract Agreement (Form -6)

Save the Children International

and

[•]

Construction Contract for [•] Project

NOTE - BEFORE YOU SIGN THIS CONTRACT:

- This Contract contains [yellow highlighted text] to indicate the clauses that must be filled in for each project. You will need to consider whether the optional text applies and/or insert missing information.
- DO NOT SIGN THIS CONTRACT IF THE CLAUSES HIGHLIGHTED YELLOW ARE BLANK.
- All notes, including those in this box, and square brackets should be deleted from the final document before signing.





Agreement

THIS AGREEMENT is made between:

1. **Save the Children International**, whose registered office address is at St. Vincent House, 30 Orange Street, London, WC2H 7HH, company number 3732267 (the **Principal**)

and

2. [•] (the **Contractor**)

WHEREAS:

- A. The Principal wishes to engage the Contractor to construct the Works;
- B. The Contractor is engaged in the business of offering such Works and has the necessary skill, knowledge and experience in that field to carry out such Works; and
- C. The Principal hereby appoints the Contractor for the provision and execution of such Works for the sum specified in this Agreement.

NOW THIS AGREEMENT WITNESSES as follows:

- 1. In this Agreement words and expressions shall have the meanings assigned to them in the Conditions of Contract hereinafter referred to.
- 2. The Conditions of Contract, Contract Data and Annexes are hereby incorporated by reference herein and, together with this Agreement, shall be deemed to form the Contract.
- 3. The Contractor shall construct, install, complete and warrant the Works and remedy any defects or non-compliances therein in conformity in all respects with the provisions of the Contract.
- 4. The Principal shall pay the Contractor in consideration of the construction, installation, completion and warranty of the Works (and remedying any defects and/or non-compliances therein) the fixed lump-sum price stated in the Contract Data, as may be adjusted in accordance with the terms of the Contract.
- 5. No amendment or addition to the Contract shall be binding on the Parties unless it is in writing and signed on behalf of each of the Parties.
- 6. The Parties hereby warrant and undertake, each to the other, that they have entered into and executed this Agreement by their duly authorised representatives in accordance with all procedures required by their governing laws and constitutional documents.
- 7. This Agreement may be executed in two (2) counterparts, which shall together constitute one (1) agreement. Any party may enter into this Agreement by duly executing any such counterpart.



8. This Agreement shall come into full force and effect upon the date stated in the Contract Data (the **Effective Date**).

IN WITNESS WHEREOF this Agreement has been executed by the parties on the day and year first before written.

SIGNED by: [•]

SIGNED by: [•]

for and on behalf of the Principal

for and on behalf of the Contractor

in the presence of:

in the presence of:

Name:

Name:

Date:

Date:



Contract Data

The following Contract Data shall be read in conjunction with the Agreement and Conditions of Contract:

Clause	Item	Data
	Effective Date	[•]
1.1	Commencement Date	[•] days
1.4	Contract Price	BDT [•]
1.8	Contractor's Representative	[•]
1.24	Principal's Representative	[•]
1.33	Time for Completion	120 days
4.1	Address for notices	<u>Principal:</u> [•] <ul style="list-style-type: none"> • Address • Email • Fax Number • Attention <u>Contractor:</u> [•] <ul style="list-style-type: none"> • Address • Email • Fax Number • Attention
10.1	Site Access Prerequisites	a) all permits, consents and licenses necessary to commence and perform the Works as required under Sub-Clause 9.1; and b) the Required Insurances
11.3	Engineer / Architect	[•]
12.3	Principal supplied materials, plant, labour and/or equipment	[•]
15.1	Performance bond	Strike out as applicable: <ul style="list-style-type: none"> • the value of the performance bond shall be equal to [10] % of the Contract Price • the performance bond shall be provided to the Principal no later than [5] days from the Commencement Date
19.2	Submission timeline for the programme of Works	[•] days
21.1	Liquidated Damages for Delay	0.1% per day
21.2	Cap on liquidated damages	10 % of the Contract Price
23.1	Defects Notification Period	12 months
26.1	Payment Method:	Payment shall be made by Milestone payments;
	<i>Milestone payments</i>	
26.4	Timeframe for Engineer to inspect the Works after receiving notice and evidence of a completed milestone	Within [10] days of receipt of notice and evidence



26.6	Timeframe for payment following delivery of each statement	Within [30] days of delivery of each statement		
	<i>Monthly progress payments</i>			
26.9	Timeframe for Engineer's written confirmation to Principal for payment of statement	Within [14] days of delivery of each statement		
26.10	Timeframe for payment following delivery of each statement	Within [28] days of delivery of each statement		
26.11	Timeframe for submission of final account	Within [28] days of the events listed in Sub-Clause 27.2		
27.1	Payment retentions	[10] % of the total value of each payment		
28.1	Contractor Bank Account Details	<ul style="list-style-type: none"> • Name of Bank: [•] • Account Number: [•] • Beneficiary Name: [•] 		
29.1	Currency	United States Dollar (USD)		
33	Required Insurances	<i>Type of Policy</i>	<i>Sum Insured</i>	<i>Exclusions</i>
		Contract Works	[BDT value of contract]	
		Contractor's Employees	As per Bangladesh Labour law	
		Contractor's vehicles, equipment and plant	[BDT value of contract]	
		Third party public liability	[BDT value of contract]	
		Professional indemnity	[BDT value of contract]	

Conditions of Contract

1. Definitions

- 1.1 **Associated Company** means, in respect of a relevant company, a company which is a Subsidiary, a Holding Company or a company which is a Subsidiary of the Holding Company of that relevant company.
- 1.2 **Commencement Date** means the date falling upon the number of days specified in the Contract Data, after the Effective Date.
- 1.3 **Contract** means the Agreement, the Contract Data, these Conditions of Contract and the documents listed in the Annexes.
- 1.4 **Contract Price** means the sum stated in the Contract Data, as may be adjusted in accordance with the terms of the Contract, such sum to be inclusive of all taxes and duties payable in respect of the Works (if any).
- 1.5 **Contractor** means the second named party to this Contract.
- 1.6 **Contractor Default Notice** shall have the meaning given to it in Sub-Clause 36.2.
- 1.7 **Contractor's Design** shall have the meaning given to it in Sub-Clause 16.2.
- 1.8 **Contractor's Representative** shall mean the person stated in the Contract Data, as may be appointed and/or replaced in accordance with Sub-Clause 11.2.
- 1.9 **Country** means the country in which the Site is located.
- 1.10 **Defects Notification Period** shall have the meaning given to it in Sub-Clause 23.1.
- 1.11 **Dispute Notice** shall have the meaning given to it in Sub-Clause 40.1.
- 1.12 **Drawings** means the drawings set out at Annex C.
- 1.13 **Effective Date** has the meaning given in the Contract Data.
- 1.14 **Engineer** shall mean the person stated in the Contract Data appointed in accordance with Sub-Clause 11.3.
- 1.15 **Force Majeure** shall mean any substantial change of circumstances compared to what was agreed between the Parties at the commencement of contract negotiations beyond the reasonable control of a Party and which makes that Party's performance of its obligations under this Contract impossible or so impractical as to be considered effectively impossible in the circumstances.
- 1.16 **Force Majeure Event** includes, but is not limited to:
- (a) war and other hostilities (whether war be declared or not), invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power or civil war;

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- (b) strike, lock-out, riot, commotion or disorder (unless such arises from the Contractor, its employees, representatives, consultants, agents, volunteers, sub-contractors, partners and suppliers and arising from the conduct of the Works); and
- (c) earthquake, flood, tempest and other natural disasters.
- 1.17 **Holding Company** means, in respect of a relevant company, a company that (a) holds a majority of the voting rights in it; (b) is a member of it and has the right to appoint or remove a majority of its board of directors; or (c) is a member of it and controls alone, or pursuant to an agreement with other shareholders or members, a majority of the voting rights in it.
- 1.18 **Laws** means any law, decree, legislation, regulation, constitution, judgment, standard, code, order, ordinance, treaty, consent or other requirement of any authority having the force of law in the Country, including as amended, modified or consolidated from time to time.
- 1.19 **Party** means either the Principal or the Contractor, and **Parties** shall mean both the Principal and the Contractor.
- 1.20 **Principal** means the first named party to this Contract.
- 1.21 **Principal Default Notice** shall have the meaning given to it in Sub-Clause 36.5.
- 1.22 **Principal's Design** shall have the meaning given to it in Sub-Clause 16.1.
- 1.23 **Principal's Policies** means the policies referred to in Clause 34 and set out at Annexes D - F
- 1.24 **Principal's Representative** shall mean the person stated in the Contract Data having the authority granted to it by the Principal in accordance with Sub-Clause 11.1.
- 1.25 **Principal's Risks** shall have the meaning given to it in Sub-Clause 17.1.
- 1.26 **Prohibited Party** means an individual or entity that is proscribed or designated on an official government, EU or UN list because it is directly or indirectly involved in terrorist activities, or activity on behalf of a sanctioned country).
- 1.27 **Required Insurances** means those insurance policies the Contractor is required to take out and maintain in accordance with (a) the Laws and (b) as otherwise may be specified in the Contract Data, in accordance with Clause 33.
- 1.28 **Site** means the areas designated by the Principal where the Works are to be carried out, and any other area specified in the Contract as forming part of the Site.
- 1.29 **Site Access Prerequisites** means the prerequisites the Contractor must comply with, to the Principal's satisfaction, as specified in the Contract Data, prior to being given access to the Site and/or commencing the Works in accordance with Sub-Clause 10.1.
- 1.30 **Specifications** means the specifications set out at Annex B.
- 1.31 **Subsidiary** means a company in respect of which a relevant company (a) holds a majority of the voting rights; (b) is a member and has the right to appoint or remove a majority of



the board of directors; or (c) is a member and controls alone, or pursuant to an agreement with other shareholders or members, a majority of the voting rights. A company is a Subsidiary if it is a Subsidiary (as defined above) of a company which is itself a Subsidiary of a relevant company.

1.32 **Taking Over Notice** means the notice given by the Principal to the Contractor pursuant to Sub-Clause 22.2.

1.33 **Time for Completion** means the time for completing the Works, calculated as the number of days shown in the Contract Data after the Commencement Date, as may be adjusted in accordance with the Contract to account for extensions of time to which the Contractor is entitled under the Contract.

1.34 **Works** means all the work including the Scope of Works at Annex A, and design (if any) to be carried out by the Contractor including any variation.

2. Interpretation

2.1 In this Contract:

- (a) the list of contents and headings are for ease of reference only and shall not be taken into account in construing the Contract;
- (b) references to the Contract or to any other document shall be construed as references to the Contract or that other document, as amended, varied, novated, supplemented or replaced from time to time;
- (c) the singular shall include reference to the plural and vice versa as the context requires;
- (d) references to a day are references to calendar days;
- (e) dates and periods of time referred to in the Contract shall be construed in accordance with the Gregorian calendar;
- (f) references to a time (if any), shall be to time in the time-zone in which the Site is located;
- (g) references to a Party are references to either party to the Contract including that Party's successors in title and assigns or transferees permitted in accordance with the terms of the Contract;
- (h) "in writing" includes any communication made by letter, email or fax;
- (i) liability includes any obligation or liability (whether present or future, actual or contingent, secured or unsecured, as principal or surety or otherwise);
- (j) loss includes any loss, cost (including any cost of enforcement), expense, payment, liability (including tax liability), claim, demand, damage, proceedings, penalty, fine, fee, rates, levy, charge, royalty, interest, insurance premium, call, judgment, order or other sanction or amount payable and the amount by which any right or entitlement to any amount has been reduced as a result of the matter in question; and

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- (k) if an obligation of either Party to make payment or to provide a notice or other communication falls on a day that is not a working day the due date for the performance of the obligation will be the immediately following working day.

3. Governing Law

- 3.1 This Contract shall be governed by the Laws of the Country. The Parties agree that such Laws shall apply to the Contract and be enforceable to the fullest extent possible.

4. Notices

- 4.1 All notices to be given under the Contract shall be sent to the Principal or Contractor, as the case may be, at the address for notices set out in the Contract Data.

- 4.2 Unless otherwise stated in the Contract, all notices (including approvals, consents, instructions, orders and certificates) to be given under the Contract shall be given promptly, in writing, in the English language, sent by personal delivery, courier, email or fax to the address for notices set out in the Contract Data, and:

- (a) when sent by courier, shall be deemed (in the absence of evidence to the contrary) to have been delivered at the time and on the date of actual receipt by the addressee;
- (b) when delivered personally, shall be deemed to have been delivered at the time and on the date of delivery;
- (c) when transmitted by email, shall be deemed to have been delivered at the time and on the date of sending; and
- (d) when transmitted by fax shall, subject to an error-free transmission report by the transmitter, be deemed to have been received at the time and on the date of transmission.

- 4.3 If a notice is delivered by courier, personally or transmitted by email or fax after 5 pm on any given day, the notice will be deemed to have been received on the next day.

5. Entire Agreement

- 5.1 This Contract sets out the entire agreement between the Parties relating to any matter or circumstance taking place on and from the Effective Date in relation to the Works, and supersedes all previous negotiations, arrangements and understandings in respect thereof, and no variation shall be effective unless in writing and signed by or on behalf of the Parties.

- 5.2 The Contractor warrants to the Principal that, in entering into the Contract, it is not relying upon any earlier representations made by or on behalf of the Principal.

6. Priority of Documents

- 6.1 The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity, discrepancy or inconsistency is identified in the documents, the Principal shall issue any necessary instructions to the Contractor, and the priority of the documents shall be as follows:



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- (a) the Agreement;
 - (b) the Contract Data;
 - (c) these Conditions of Contract;
 - (d) the Principal's Policies;
 - (e) the Scope of Works;
 - (f) the Specifications;
 - (g) the Drawings;
 - (h) the Payment Milestones (if applicable); and
 - (i) the Bill of Quantities,

such ambiguity, discrepancy or inconsistency shall be resolved by the relevant terms of the document appearing first in the list set out in this Sub-Clause 6.1 prevailing over the relevant terms of those documents appearing later in that list.

7. **Severability**

- 7.1 If at any time any provision of the Contract is or becomes invalid, illegal or unenforceable in any respect under the Laws governing the Contract, that provision shall, so long as the commercial purpose of the Contract is still capable of performance, be severed from the Contract and shall not in any way affect or impair the validity, legality or enforceability of any other provision of the Contract.

8. **Instructions**

- 8.1 The Principal or the Engineer may issue instructions to the Contractor in respect of the Works, and the Contractor shall comply with any such instructions.
- 8.2 The Contractor shall accept instructions only from the Principal or the Engineer in relation to the Works and shall not seek instructions from any third party.
- 8.3 Where the Principal or the Engineer gives its approval or consent to any part of the Works, this shall not relieve the Contractor of any of its obligations in respect of the Works. Similarly, where the Principal or the Engineer remains silent, this shall not be construed as deemed approval or consent.

9. **Permits, Consents and Licences**

- 9.1 The Contractor shall be responsible for applying for and obtaining all necessary permits, consents or licences required for the Works which are required in order to commence and perform the Works on the Site, and the permits consents or licenses which are required in order to achieve completion of the Works in accordance with applicable Laws. The cost of doing so shall form part of the Contract Price.
- 9.2 The Principal acknowledges that in certain circumstances the Contractor may require information and/or other reasonable assistance from the Principal in order to comply with its obligations under this Clause 9. In such circumstances, the Contractor shall notify

the Principal of its request for such information and/or other reasonable assistance which the Principal shall, acting reasonably, make available to the Contractor. The Contractor acknowledges that, in providing reasonable assistance, the Principal shall not be obliged to pay any additional sum to the Contractor.

10. The Site

10.1 The Principal shall provide the Contractor with access to the Site from the Commencement Date, provided that the Principal shall not be obliged to grant the Contractor access to the Site unless and until the Contractor has satisfied each of the Site Access Prerequisites.

10.2 In the event that the Contractor fails to satisfy the Site Access Prerequisites, the Principal shall not be obliged to grant the Contractor access to the Site, and the Contractor shall not be entitled to any extension to the Time for Completion of the Works or to any additional cost.

10.3 The Contractor's right of access to the Site shall not be exclusive, and the Contractor shall be responsible for the coordination and interfacing of the Works to be performed by it under this Contract with all others having access to or use of the Site. In particular, the Contractor acknowledges and agrees that the Principal and its invitees will access the Site and shall be entitled to monitor progress and compliance with the Contract. The Contractor represents and warrants to the Principal that it has expressly allowed for all costs associated with such coordination and interfacing with others in the Contract Price.

10.4 In the event that works being carried out on the Site by others delay the Works so as to prevent the Contractor from completing the Works or a relevant portion of the Works by the Time for Completion, the Contractor shall be entitled to an extension to the Time for Completion in accordance with the Contract, but shall not be entitled to any further payment.

11. Representatives and Engineer

11.1 The Principal may appoint the Principal's Representative at any time and grant to it such scope of authority, duties and responsibilities as the Principal may reasonably determine.

11.2 The Contractor's Representative shall be authorised to receive all instructions on behalf of the Contractor. The Principal may, at its discretion, give notice to the Contractor requiring that the Contractor replace the Contractor's Representative. Upon receipt of such notice from the Principal, the Contractor shall promptly submit to the Principal for consent the name and particulars of the proposed replacement representative. The Principal shall not unreasonably withhold its consent to the Contractor's proposed replacement representative.

11.3 The Principal shall appoint a suitably qualified, suitably resourced engineer, architect or project manager to act as Engineer (the **Engineer**) who shall carry out the duties assigned to him in the Contract. Except as otherwise stated in this Contract,

(a) the Engineer shall be deemed to act for the Principal;

(b) the Engineer has no authority to relieve either Party of any duties or obligations or responsibilities under the Contract;

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- (c) any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test or similar act by the Engineer (including absence of disapproval) shall not relieve the Contractor from any responsibility he has under the Contract, including responsibility for errors, omissions, discrepancies and non-compliances.

11.4 Whenever the Contract provides that the Engineer shall agree or determine any matter, the Engineer shall act independently and impartially and shall consult each Party in an endeavour to reach agreement. If agreement is not achieved, the Engineer shall make a fair determination of the matter in accordance with the Contract, taking due regard of all relevant circumstances. The Engineer shall give notice to both parties of each agreement or determination, with supporting particulars. Each Party shall give effect to each agreement or determination unless and until revised under Clause 40.

12. Contractor's Obligations

12.1 In addition to the Contractor's obligations under Clause 34 below, the Contractor shall carry out the Works taking all due care and diligence and in accordance with the Contract. In carrying out the Works, the Contractor shall adhere to the highest standards of construction, in a manner consistent with the works of other contractors working in the Country.

12.2 The Contractor shall ensure that all relevant regulatory authorities provide their approval for the Works, and where additional and/or remedial work is required to obtain such approval, the Contractor shall carry this out:

- (a) at no extra cost to the Principal, in of any comment, review or approval by the Principal or the Principal's Representative;
- (b) within a reasonable time after having been notified by a relevant regulatory authority that such additional and/or remedial work is required; and
- (c) in accordance with the requirements of such regulatory authority, whilst ensuring that any relevant permits, licenses and consents are obtained.

12.3 Save as provided in the Contract Data, the Contractor shall provide all materials, plant, labour (including supervisory staff) and any equipment which may be required to carry out and complete the Works.

12.4 The materials shall be of the quality specified in the Specifications (or if quality is not specified in the Specifications, the materials shall be new, of high quality and free from defects) and suitable for use as part of the Works. The materials shall also comply with any Laws and local building regulations of the Country.

12.5 The Contractor shall remain entirely responsible for the Site from the Commencement Date until the Principal issues the Taking Over Notice. During this period, the Contractor shall secure the Site and be responsible for rectifying, repairing or replacing any element of the Works which becomes lost or damaged.

13. **Title to Materials and Plant**

13.1 Each item of plant and materials shall, to the extent consistent with applicable Laws, become the property of the Principal, free from any encumbrances, at the time that payment is made in respect of such plant and materials.

13.2 The Contractor shall remain responsible for the care, custody, safe keeping and protection of such plant and materials until such time as the Principal issues a Taking Over Notice in respect of the part or parts of the Works in which such plant and/or materials are used or incorporated.

14. **Subcontracting**

14.1 The Contractor shall not be permitted to subcontract any part of the Works without the express permission of the Principal. Where the Principal grants permission, it shall do so in writing. Where such permission has been granted, it will be the responsibility of the Contractor to ensure the subcontractor's compliance with the terms of this Agreement, including, but not limited to, Clauses 12 and 34.

15. **Performance Bond**

15.1 If a performance bond is included as a requirement in the Contract Data, the Contractor shall deliver to the Principal an irrevocable, unconditional, on-demand performance bond in a form acceptable to the Principal, issued by a bank approved by the Principal for a value and by the time stated in the Contract Data.

15.2 The Contractor shall ensure that the performance bond is valid and enforceable until the expiry of 15 days from the date of issuance of the Taking Over Notice issued under Sub-Clause 22.2.

15.3 If the terms of the performance bond specify an expiry date, and the Taking Over Notice has not been issued by the date 28 days prior to that expiry date, the Contractor shall extend the validity of the performance bond until the expiry of 15 days from the date by which the Works are, at such time, forecast to be completed and the Taking Over Notice issued, failing which the Principal shall be entitled to issue a demand on the performance bond.

16. **Design**

16.1 The Principal shall be responsible for the Specifications at Annex B and the Drawings at Annex C provided under this Contract (the **Principal's Design**).

16.2 To the extent that the Contractor provides design for the Works (if any), whether as part of its tender submission (which is agreed for use by the Principal), or during the course of completing the Works (provided that the Principal has approved the same for use) (the **Contractor's Design**), it shall remain responsible for such design elements, which must be fit for the intended purpose. The Contractor shall also remain liable for any infringement of any patent or copyright in respect of the Contractor's Design.

17. **Principal's Risks**

17.1 The Principal acknowledges and agrees that it shall bear the financial and time risks where:

- (a) a Force Majeure event occurs;
 - (b) the Principal causes any act of prevention or breach of Contract;
 - (c) any delay or disruption is caused by an approved variation; or
 - (d) any change to applicable Laws occurs after the Commencement Date
- (the *Principal's Risks*).

18. **Conditions for claiming Principal's Risks**

18.1 The Contractor shall use its best endeavours (without incurring substantial additional costs) to prevent or minimise delay in the progress of the Works, howsoever caused, and to prevent completion of the Works being delayed or further delayed beyond the Time for Completion.

18.2 Notwithstanding any other provision of the Contract, the Contractor shall not be entitled to any extension of time and/or costs where and to the extent that the cause in question referred to in Sub-Clause 17.1 results from any negligence or breach of contract on the part of the Contractor, the Contractor's employees, representatives, consultants, agents, volunteers, sub-contractors, partners or suppliers, or any other person for whom the Contractor is responsible.

19. **Commencement and Completion of the Works**

19.1 The Contractor shall commence the Works on the Commencement Date and shall duly proceed to execute and complete the Works without delay by the Time for Completion.

19.2 The Contractor shall also prepare and promptly submit a programme for the Works to the Principal and Engineer within the number of days stated in the Contract Data, calculated from the Effective Date. The Contractor shall provide the Principal and Engineer with updates to the programme as the Principal and/or Engineer may request as the Works proceed.

20. **Extension of Time**

20.1 Subject to Sub-Clause 20.2, the Contractor shall only be entitled to an extension of the Time for Completion where there is or will be a delay in achieving completion caused by any of the Principal's Risks, or as otherwise expressly stated under the Contract. The Contractor must make an application for an extension of time with all supporting particulars to the Principal or the Principal's Representative and the Engineer, which shall consider all the relevant information and extend the Time for Completion accordingly.

20.2 Where either Party becomes aware of circumstances that may cause delay or disruption to the Works or may give rise to a claim for additional payment, such Party shall provide warning to the other Party. The Contractor shall actively take steps to mitigate the effects of any such circumstances which may delay or disrupt the Works.

20.3 The Contractor's entitlement to an extension to the Time for Completion or additional payment shall be limited to the time and payment which would have been due had the Contractor given prompt notice and actively taken steps to mitigate such effects.

21. **Liquidated Damages for Delay**

21.1 Where the Contractor fails to achieve taking over under Clause 22 by the Time for Completion, the Contractor shall be liable to pay liquidated damages at the rate set out in the Contract Data, for each day the Contractor fails to achieve taking over by the Time for Completion, up to and including the date specified in the Taking Over Notice issued by the Engineer in accordance with Sub-Clause 22.2.

21.2 The Contractor shall not be liable to pay liquidated damages in excess of the sum stated in the Contract Data. In the event the cap is reached, the Principal may, at its discretion, terminate the Contract and proceed in accordance with Sub-Clause 37.1(a).

21.3 The Principal may recover these amounts as a debt due and payable or as a deduction from any other monies due to the Contractor under the Contract.

22. **Completion and Taking Over**

22.1 When the Contractor considers that the Works are ready for taking over by the Principal it shall notify the Engineer. If the Works are divided into sections, the Contractor may notify the Engineer that a particular section(s) is/are ready for taking over.

22.2 When the Engineer considers that the Works or a section(s) is/are ready for taking over, it shall issue a Taking Over Notice to the Contractor stating the date upon which taking over has occurred. The Principal may require the Engineer to issue such notice whether or not the Works or section(s) is/are entirely complete. From the date of the Taking Over Notice, the Principal shall have control over the Site and Works or the section(s) to which the Taking Over Notice relates.

22.3 Where the Engineer issues the Taking Over Notice with outstanding works, the Contractor shall complete all outstanding work quickly and efficiently and, once finished, clear the Site.

23. **Defects**

23.1 The Engineer may notify the Contractor of any defects or non-compliances in the Works or other incomplete work within the period stated in the Contract Data, calculated from the date stated on the Taking Over Notice (the **Defects Notification Period**).

23.2 The Contractor shall be liable to remedy all defects, non-compliances or incomplete work notified to it by the Principal and/or the Engineer during the Defects Notification Period to the extent that such defects, non-compliances or incomplete arise from the Contractor's Design, materials, plant or workmanship not being in accordance with the Contract or otherwise a breach of the Contractor's obligations in Clause 12. In the event that the defect or non-compliance is due to the Principal's Design or breach of Contract, the Contractor shall not be responsible for the costs of remedying the Works, but shall still be required to remedy or complete the work as a variation, valued in accordance with Clause 24.

23.3 The Contractor shall proceed to carry out all repair work quickly and efficiently at no cost to the Principal within a reasonable time after being notified.

23.4 If the Contractor fails to remedy the defects, non-compliances or incomplete work to the required standard in a reasonable time, the Principal shall be entitled to instruct a third-party contractor to perform the work in substitution for the Contractor.

23.5 The Contractor shall be liable for the costs of the third-party substitute contractor, and the Principal may recover such amounts as a debt due and payable or as a deduction from any other monies due to the Contractor under the Contract.

24. **Variations**

24.1 The Principal and/or Engineer shall be entitled to instruct variations to the Works.

24.2 Variations are to be valued as follows:

- (a) at an agreed lump sum price;
- (b) by using applicable rates included in the Contract; or
- (c) where there are no applicable rates in the Contract, at new rates agreed between the Parties or as the Principal considers appropriate.

25. **Claims**

25.1 Notwithstanding any other provision of the Contract, if the Contractor intends to claim any additional payment pursuant to any Clause of the Contract or otherwise, he shall give notice of his intention to the Principal's Representative and/or Engineer, with a copy to the Principal, within 28 days after the event giving rise to the claim has first arisen. The Principal shall check, and if any payment is due, agree the value with the Contractor if possible. In the absence of agreement, the Engineer shall determine the value in accordance with Sub-Clause 11.4.

25.2 Subject to Clause 18 and Sub-Clause 25.1, the Contractor shall be entitled to bring a claim for additional payment where it incurs any cost as a result of the Principal's Risks in Clause 17. To the extent that the Works require modification due to the occurrence of any of the Principal's Risks, the costs of such modification are to be valued in accordance with Sub-Clause 24.2.

26. **Payment**

26.1 The Principal shall pay the Contract Price to the Contractor in accordance with the method selected in the Contract Data, provided always, that the Principal shall not be obliged to make any payments to the Contractor unless and until the Contractor delivers a valid and enforceable performance bond in accordance with Sub-Clause 15.1 (if applicable). If no method is selected in the Contract Data, the Contractor shall be paid by milestone payments.

Milestone payments

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- 26.2 Where the Contract Data records that the Contractor shall be paid by milestone payments, such payments are to be made in accordance with the milestone payment schedule set out in Annex H to this Contract.
- 26.3 When the Contractor considers that a milestone has been completed, it shall give written notice to that effect to the Engineer, together with such evidence that the Engineer may reasonably require to demonstrate that the milestone has been completed and a statement showing the amounts to which the Contractor considers itself entitled.
- 26.4 Within the timeframe stated in the Contract Data of the Engineer receiving the notice, evidence and statement referred to in Sub-Clause 26.3, the Engineer will inspect the part of the Works that are the subject of the relevant milestone and shall notify the Contractor in writing either:
- (a) that the milestone has been completed, in which case the Engineer shall issue a milestone completion certificate; or
 - (b) that the milestone has not been completed, in which case the Engineer shall give written particulars of the work which remains outstanding in order for the milestone to be completed and a milestone completion certificate issued.
- 26.5 Simultaneously upon issuing a milestone completion certificate under Sub-Clause 26.4(a), the Engineer shall provide written confirmation to the Principal of the sum, as the Engineer may fairly determine, that is due to the Contractor, with reasons for any reduction.
- 26.6 Subject to Sub-Clause 27.1, following delivery of each statement, including the final account under Sub-Clause 26.11, the Principal shall pay to the Contractor the amount determined by the Engineer, within the timeframe stated in the Contract Data.

Monthly progress payments

- 26.7 Where the Contract Data records that the Contractor shall be paid by monthly progress payments, the Contractor shall be entitled to be paid at monthly intervals:
- (a) the value of the Works executed; and
 - (b) the value of the materials and plant which have been incorporated into the Works within that given period
- subject to any additions or deductions which may be due.
- 26.8 The Contractor shall submit each month to the Engineer a statement showing the amounts to which he considers himself entitled.
- 26.9 Within the timeframe stated in the Contract Data, the Engineer shall provide written confirmation to the Principal that such Works have been executed in accordance with this Contract and that the Contractor is entitled to such amounts, or such other sum as the Engineer may fairly determine is due to the Contractor, with reasons for any reduction.
- 26.10 Subject to Sub-Clause 27.1, following delivery of each statement, including the final account under Sub-Clause 26.11, the Principal shall pay to the Contractor the amount determined by the Engineer, within the timeframe stated in the Contract Data.

Final account

26.11 Within the timeframe stated in the Contract Data, the Contractor shall submit a final account to the Principal together with any documentation reasonably required to enable the Principal to ascertain the final contract value.

27. **Payment Retentions**

27.1 The Principal shall be entitled to withhold the percentage stated in the Contract Data from each of the payments made to the Contractor.

27.2 Subject to any rights the Principal might have to call on the payment retentions in accordance with the Contract, the Contractor shall be entitled to the return of payment retentions within 10 days from the expiry of the Defects Notification Period provided that, where the Contractor is obliged to remedy any defects in accordance with Clause 23, the payment retentions shall only be released after the completion of any such defective, non-compliant or outstanding work to the Engineer's reasonable satisfaction.

28. **Contractor Account Details**

28.1 Payments will be made by cheque or electronic wire transfer to the Contractor's bank account details as set out in the Contract Data. The Contractor warrants that the bank account details provided are correct and the Principal is entitled to rely on the same for making all payments in connection with the Contract. The Principal shall not be liable for any missing payments that were made in accordance with this Sub-Clause 28.1.

29. **Currency**

29.1 All payments made pursuant to this Contract shall be made in the currency stated in the Contract Data unless expressly agreed otherwise between the Parties in writing.

30. **Sufficiency of Contract Price**

30.1 The Contractor shall be deemed to have, and represents and warrants to the Principal that it has, satisfied itself as to the correctness and sufficiency of the Contract Price as stated in the Agreement.

30.2 Unless otherwise stated, the Contract Price covers all of the Contractor's obligations under the Contract, including all applicable taxes and duties, and all things necessary for the proper execution and completion of the Works and the remedying of any defects.

30.3 The Contractor shall further be deemed to have satisfied itself as to the correctness and sufficiency of all matters referred to in the Annexes, and to have obtained all reasonably necessary information as to risks, contingencies and all other circumstances which may influence or affect the execution of the Works, to enable it to plan and programme the Works so as not to delay the Time for Completion.

30.4 No failure on the part of the Contractor to discover or foresee any such condition, risk, contingency or circumstance (whether or not the same ought reasonably to have been discovered or foreseen) shall entitle the Contractor to an addition to the Contract Price, reimbursement of loss and/or expense or an extension of time.

31. **Confidentiality**

31.1 The Contractor shall treat the contents of this Contract, all related documents and information received in connection with the Contract as private and confidential. It will not, except as necessary to execute the Contract or as required by Law, publish or disclose any particulars of the Contract without the prior written consent of the Principal. If any disagreement arises concerning disclosure of any details concerning the Contract, the Principal's decision shall be final.

32. **Indemnity**

32.1 The Contractor shall fully and effectively indemnify on demand and hold harmless the Principal (including, without limitation, its personnel, officials, representatives and agents) against all claims, losses, fees, expenses, liabilities, costs, actions, demands or damage which it may incur as a result of or in connection with:

- (a) any acts, omissions, negligence, wilful misconduct or fraud of the Contractor or the Contractor's employees, representatives, consultants, agents, volunteers, sub-contractors, partners and suppliers in their performance of the Contract;
- (b) any breach by the Contractor of applicable Laws in its performance of the Contract;
- (c) the personal injury or death of any person arising as a result of any negligent or reckless errors, acts or omissions of the Contractor (including without limitation its personnel, sub-contractors, officials, representatives and/or agents);
- (d) any breach of the Principal's Policies set out and referred to in Clause 34;
- (e) any unforeseen cost or expense that falls upon the Principal by operation of the Laws, that would otherwise have properly rested with the Contractor as part of the Contract Price; and
- (f) any breach of the Contractor's obligation to procure the necessary intellectual property rights for the Principal's benefit pursuant to Sub-Clause 37.3.

33. **Insurance**

33.1 Unless otherwise agreed by the Parties in writing, the Contractor shall effect and maintain the Required Insurances in the joint names of the Parties, as may be required by the Laws, and as otherwise specified in the Contract Data.

33.2 The Principal shall have the right to approve the insurer and terms of the Required Insurances, and also require the Contractor to provide evidence that the relevant policies are in force and that premiums have been duly paid.

34. **Compliance with the Principal's Policies**

34.1 For the purposes of this Clause 34, the Contractor's Third Parties shall mean the Contractor's employees, representatives, consultants, agents, volunteers, sub-contractors, partners and suppliers.

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- 34.2 The Contractor acknowledges that both it and the Contractor's Third Parties recognise the Principal as the world's leading independent organisation for children, acting globally to save children's lives, fight for their rights and help them to fulfil their potential.
- 34.3 It is an essential term of this Contract that the Contractor ensures that both it and the Contractor's Third Parties strictly comply with the principles of the Principal's Policies as referred to in this Clause 34. The Contractor shall also actively promote, offer awareness to, and understanding of, the Principal's Policies to the Contractor's Third Parties. If the Principal, in its sole discretion, considers that the Contractor or any of the Contractor's Third Parties has breached the spirit of the Principal's Policies, including the principles thereof, the Principal shall be entitled to immediately terminate the Contract and proceed in accordance with Sub-Clause 37.1(a).
- 34.4 The following policies form an integral part of this Contract:
- (a) Child Safeguarding Policy (Annex D);
 - (b) Human Trafficking and Modern Slavery Policy (Annex E); and
 - (c) Fraud, Bribery and corruption Policy (Annex F).
- 34.5 *Human Rights* – the Contractor shall have respect for others and basic rights of all humans regardless of gender, disability, ethnicity, religion, caste, language, HIV status and/or other aspects of identity. The Contractor shall ensure that both it and the Contractor's Third Parties act in a manner to protect children and create a safe environment to keep them from harm and shall report any incident or concern relating to the Principal's Policies, bringing to the attention of the Principal or the Principal's Representative any potential incident, abuse or concern witnessed or thought to have occurred.
- 34.6 *Terrorism and Prohibited Parties* - the Contractor warrants that it has not engaged, and shall ensure that neither it nor the Contractor's Third Parties shall engage, in any financial transaction or other dealing with a Prohibited Party in connection with this Contract.
- 34.7 The Contractor shall ensure that both it and the Contractor's Third Parties provide to the Principal for vetting purposes the names and dates of birth of key persons associated with the Works as well as the names of any groups or individuals (with dates of birth if possible) who are due to receive funds from the Principal as part of the Works.
- 34.8 The Contractor shall ensure that both it and the Contractor's Third Parties inform the Principal or the Principal's Representative immediately if, during the course of this Contract, the Contractor or the Contractor's Third Parties become aware of any link whatsoever between themselves, the Contractor or any Contractor Third Party and any organisation or individual who may be perceived to be linked in any way to terrorism or who appears on any sanctions list, including but not limited to any detected, suspected or attempted:
- (a) financial transaction or other dealing with a Prohibited Party or a terrorist group; or
 - (b) diversion of assets, funds or resources associated with the Works to a Prohibited Party or a terrorist group.

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- 34.9 *Ethical Standards* - the Contractor shall ensure that both it and the Contractor's Third Parties abide by the IAPG Code of Conduct at Annex G and the Principal's Policies concerning, without limitation, ethical standards based on the Principal's core values of accountability, ambition, collaboration, creativity and integrity.
- 34.10 *Site Safety* – the Contractor shall ensure that both it and the Contractor's Third Parties at all times take all steps reasonably necessary to maintain the health and safety of those performing services on the Site in connection with the Works. The Contractor shall ensure that it maintains First Aid equipment on Site in-line with the local medical standards of the Country. The Contractor shall appoint a designated person to act as an accident prevention officer at the Site and agrees to ensure that such person proactively maintains safety and seeks to prevent accidents wherever possible.
- 34.11 *Whistleblowing* – the Principal shall hear, respect and act appropriately upon any reports by the Contractor, the Contractor's Third Parties or other staff and/or other third parties of serious malpractice by the Principal (including any suspicion of fraud) or for which the Principal is responsible.
- 34.12 The Contractor shall ensure that the Contractor's Third Parties or any other person associated with the Works who is performing services or providing goods in connection with this Contract does so only on the basis of a written contract which imposes on and secures from such person terms equivalent to those imposed on the Contractor in Sub-Clauses 34.1 to 34.12. The Contractor shall be responsible for the observance and performance by such persons of, and shall be directly liable to the Principal for any breach by such persons of, any of these terms.
35. **Independent Contractor**
- 35.1 The Contractor agrees that it is an independent Contractor in respect of its obligations under this Contract, and that neither it nor any of its employees, representatives, consultants, agents, volunteers, sub-contractors, partners and suppliers engaged in the performance of the Works or in complying with this Contract are employees or agents of the Principal.
36. **Default and Termination**
- 36.1 Where the Contractor breaches the Principal's Policies, the Principal may terminate the Contract immediately in accordance with Sub-Clause 34.3. Except as expressly stated otherwise, in all other cases, the following provisions shall apply.
- 36.2 The Principal shall be entitled to issue a default notice to the Contractor (**Contractor Default Notice**), where the Contractor:
- (a) abandons the Works;
 - (b) fails to comply with its obligations under Clause 33;
 - (c) refuses or fails to comply with an instruction from the Principal or the Principal's Representative; and
 - (d) fails to progress the Works to the Principal's reasonable satisfaction.

-
- 36.3 In the event the Contractor fails to remedy the subject default of the Contractor Default Notice within 10 days after receipt of the same, the Principal shall be entitled to (a) issue a further notice giving the Contractor an additional 20 days from the date of the further notice to remedy the default; or (b) terminate the Contract.
- 36.4 In the event the Contractor fails to remedy the default and the Principal terminates the Contract, the Contractor shall demobilise from Site ensuring that the Site is safe and secure and leaving behind all materials, plant and any other item the Principal reasonably advises.
- 36.5 The Contractor shall be entitled to issue a default notice to the Principal (**Principal Default Notice**), where the Principal:
- (a) fails to make a payment properly due to the Contractor in accordance with Clause 26; or
 - (b) is otherwise in material breach of the Contract.
- 36.6 In the event the Principal fails to remedy the subject default of the Principal Default Notice within 10 days after receipt of the same, the Contractor shall be entitled to suspend performance of the Works.
- 36.7 If, after 28 days from the Principal's receipt of the Principal Default Notice, the Principal has not remedied the breach, the Contractor may (a) issue a further notice giving the Principal an additional 15 days from the date of the further notice to remedy the default; or (b) terminate the Contract.
- 36.8 In the event the Principal fails to remedy the default and the Contractor terminates the Contract, the Contractor shall demobilise from Site, leaving behind all materials, plant and any other item the Principal reasonably advises.

37. **Payments on Termination**

- 37.1 Where the Contract is terminated due to:
- (a) *Contractor Default* pursuant to Sub-Clause 36.1 or 36.3 – the Principal shall pay to the Contractor the value of Works (including for materials and plant) executed up to the date of notice of termination, which have not yet been paid for, plus: (i) any amounts for approved unpaid variations that have been executed by the date of notice of termination and (ii) any amounts the Contractor is entitled to for claims against the Principal; less: (i) the additional costs incurred by the Principal of having a third party contractor complete the Works and (ii) any costs incurred by the Principal as a result of the Contractor's breach of Contract; or
 - (b) *Principal Default* pursuant to Sub-Clause 36.7 – the Principal shall pay to the Contractor the value of Works (including for materials and plant) executed up to the date of notice of termination, which have not yet been paid for, plus: (i) any amounts for approved unpaid variations that have been executed by the date of notice of termination, and (ii) any amounts the Contractor is entitled to for claims against the Principal.

37.2 The net balance due shall be paid or repaid within 28 days of the notice of termination.

37.3 Where the Principal terminates the Contract under Sub-Clauses 21.2, 34.3, 36.1, 36.3 or 38.1, the Contractor shall also hand over all designs, drawings and any other documentation in relation to the Works in the Contractor's possession or control, whether in hard copy or electronic format. Where any such documentation has been prepared by a third party on behalf of the Contractor, the Contractor shall procure all necessary intellectual property rights in favour of the Principal to enable the lawful transfer to the Principal.

38. **Insolvency**

38.1 In the event that either Party is declared insolvent under any applicable laws, the other Party may immediately serve a notice on the insolvent Party terminating the Contract and then proceed in accordance with Sub-Clause 37.1(a) where the Contractor becomes insolvent, or Sub-Clause 37.1(b) where the Principal becomes insolvent. Where the Contractor becomes insolvent, it shall demobilise from Site immediately, leaving behind all materials, plant and any other item the Principal reasonably advises.

39. **Force Majeure**

39.1 If either Party considers that a Force Majeure Event has occurred which may affect the performance of its obligations under this Contract, it shall notify the other Party as soon as possible and in any event within 10 days after it should reasonably have become aware of the commencement of such circumstances (a **Force Majeure Notice**). Such Force Majeure Notice shall include full and detailed particulars of such circumstances and their effect.

39.2 Upon the issue of a Force Majeure Notice and with the other Party's consent, which shall not be unreasonably withheld, the issuing Party shall be excused from performing its obligations under the Contract for the duration of the Force Majeure Event. If the Force Majeure Event continues for a period of 70 days, either Party may terminate the Contract by giving notice to the other Party, with the termination becoming effective after 5 days.

39.3 Following termination of the Contract (pursuant to this clause), the Principal shall pay to the Contractor the value of Works (including for materials and plant) executed up to the date of termination, which have not yet been paid for, plus: (i) any amounts for approved unpaid variations, and (ii) any amounts the Contractor is entitled to for claims against the Principal.

40. **Dispute Resolution**

40.1 In the event of any dispute or difference arising out of or in connection with the Contract, including any valuation or other decision of the Principal (a **Dispute**), the Dispute shall first be referred by notice in writing to the non-referring Party's representative (**Dispute Notice**).

40.2 Following service of any Dispute Notice, the Principal's Representative and the Contractor's Representative shall meet as soon as reasonably practicable and use their best endeavours, acting in good faith, to amicably resolve the Dispute.

40.3 Without prejudice to either Party's right to give notice at any time to the other Party of his intention to refer a dispute to Adjudication, if the Parties' representatives are unable



to resolve the Dispute within 30 days from the date of the Dispute Notice, either Party may refer the dispute to an adjudicator (the **Adjudicator**) under the procedure set out in Annex J (an **Adjudication**). The Adjudicator shall act impartially as an independent expert and not as an arbitrator. The Adjudicator shall perform its duties and reach a decision in accordance with the terms of this Agreement and the Laws.

- 40.4 The Adjudicator's decision shall be final and binding unless and until the Dispute is finally determined by arbitration pursuant to Clause 40.6 (or is resolved by agreement) and both Parties shall give effect forthwith to the Adjudicator's decision unless and until the decision is revised in arbitration or resolved by agreement.
- 40.5 If either Party is dissatisfied with the decision of the Adjudicator then either Party may within 30 days after receiving notice of such decision, notify the other Party that the Dispute is to be referred to arbitration. If no such notice of arbitration has been served by either Party within such period, the Adjudicator's decision shall be final and binding on the Parties.
- 40.6 Where a dispute shall be referred to and finally resolved by arbitration, unless otherwise agreed by both Parties:
- (a) the dispute shall be finally settled under the UN Commission on International Trade Law Rules 2013 (the **Rules**);
 - (b) the appointing authority shall be the Secretary-General of the Permanent Court of Arbitration;
 - (c) the dispute shall be settled by a single arbitrator appointed in accordance with the Rules; and
 - (d) the seat of the arbitration shall be London, England and the language of the arbitration shall be English.
- 40.7 Unless this Contract has already been terminated the Parties shall continue to perform their obligations under this Contract regardless of the nature of the Dispute and notwithstanding the referral of the Dispute for resolution pursuant to this Clause 40.

41. **Assignment**

- 41.1 The Principal may, in its absolute discretion, assign or novate this Contract in whole or in part or its rights or obligations deriving from this Contract. The Contractor shall not be entitled to assign, novate or make any other disposition of this Contract except with the prior written consent of the Principal.

42. **Officials not to Benefit**

- 42.1 The Contractor represents and warrants that in addition to the Contractor's and the Contractor's Third Parties' obligations in Clause 34, none of its employees, representatives, consultants, agents, volunteers, sub-contractors, partners or suppliers, including local government authorities and other government and non-government staff, have received from the Contractor or will ever receive from the Contractor, any direct or indirect benefit arising from this Contract or the award thereof. The Contractor further agrees that breach of this provision is a breach of an essential term of this Contract and

that if the Contractor or any Contractor's Third Party breaches this provision, the Principal may immediately terminate the Contract and proceed in accordance with Sub-Clause 37.1(a).

43. **Interpretation and Copies**

43.1 This Contract is made in two identical copies in English and two identical copies in the language of the Country. Each Party shall receive one copy of each version. Where a dispute arises in relation to the Contract, the English version shall take priority.



Milestone Payment Schedule

Number	Milestone description	Percentage (%) of Contract Price to be paid
1.	1 st 30% progress payment will be made against 50 % of total work (lot wise)	30%
2.	2 nd 30% of Progress payment will be made against 80% of Total works (lot wise)	30%
3.	Final 40% of progress payment will be made after completion of 100% works	40%

Note: Payment should be made based on engineering assessment of SCI engineers. The Final payment will be released subject to the submission of 10% performance security/ retention money.



Annex J

Procedure for Adjudication

Reference of a Dispute to Adjudication

1. Either Party may, at any time, give notice (the **Adjudication Notice**) to the other Party of its intention to refer a Dispute to Adjudication. The Adjudication Notice shall set out:
 - (a) the nature and a brief description of the Dispute;
 - (b) the names and addresses of the Parties involved; and
 - (c) the nature of the relief sought.

Appointment of the Adjudicator

2. The Adjudicator shall be selected by agreement between the Parties within three (3) days of service of the Adjudication Notice. If no agreement is reached within such time the Party referring the Dispute to Adjudication shall apply to the Engineer who, acting independently, shall select an Adjudicator pursuant to his duties under Clause 11.4. When requesting the selection of an Adjudicator the referring Party shall supply a copy of the Adjudication Notice to the Engineer, who shall have regard to the nature of the Dispute which is referred for Adjudication when selecting the Adjudicator who shall be professionally qualified in the field in which the Dispute arises, and shall endeavour to select the Adjudicator within four (4) days of receiving the application. If the selected Adjudicator is unwilling or unable to accept the appointment, another Adjudicator shall be agreed upon by the Parties or selected by the Engineer in accordance with the procedure set out above (and so on until an Adjudicator is appointed).
3. Unless both Parties agree, no person shall be appointed as an Adjudicator if such a person at the time of appointment is (or within 3 years before such appointment has been) a director, office holder or an employee of, or is or has been (within such time) personally engaged in providing services or as a consultant to either Party or any Associated Company of either Party or is the holder of shares in either Party or any Associated Company of either Party (unless it is a company quoted on a recognised stock exchange and such shareholding is less than 1 percent of the issued share capital of any class). The Adjudicator shall be under a continuing duty to disclose in writing to each Party any such circumstances which may arise during the currency of the Adjudicator's appointment or any other fact or circumstance which might call into question his impartiality or independence. If both Parties agree, or if on application by either Party to the adjudication nominating body named in paragraph 2 and that body so decides, the Adjudicator shall forthwith resign. A replacement Adjudicator shall be appointed in accordance with paragraph 2.

Procedure for the Adjudication

4. As soon as possible following agreement upon, or receipt of notification of, the selection of the Adjudicator and, wherever possible, having regard to the date of appointment of the Adjudicator, within 7 days of the date of service of the Adjudication Notice, the Party referring the Dispute to Adjudication shall send a copy of the Adjudication Notice and its written statement of case to the Adjudicator accompanied by copies of any documents upon which the Party wishes to rely and, at the same time, shall send a copy of all such materials to the other Party.
5. The other Party shall have the right to submit a written response within 10 days of receipt of the documents referred to in paragraph 4, together with copies of any documents upon which



he wishes to rely, to the Adjudicator, and shall, at the same time, send a copy of all such materials to the referring Party.

6. The Adjudicator shall have full power to take the initiative in ascertaining the facts and the law. In particular, the Adjudicator shall have power to:

- (a) request clarification or additional information from either or both of the Parties;
- (b) make such site visits and inspections as he considers appropriate;
- (c) convene meetings upon reasonable notice to the Parties at which both Parties shall be entitled to be present;
- (d) appoint his own advisers to advise on matters of legal interpretation or expertise outside his own area of expertise on which the Parties are not agreed;
- (e) open up, review and revise any decision, approval, recommendation or determination made, notice or certificate given by the Principal and/or the Engineer; and
- (f) make use of his own specialist knowledge.

Without prejudice to such powers a meeting shall be held at the request of either Party to give both Parties the opportunity to make oral submissions.

7. If either Party fails to submit any written statement or respond to any request for clarification or information or fail to attend any meetings convened by the Adjudicator, the Adjudicator shall proceed with the Adjudication on the basis of the information supplied by the other Party. Any communications passing between a Party and the Adjudicator shall be copied to the other Party.

The Adjudicator's decision

8. The Adjudicator shall reach his decision within 28 days of receipt by him of the Adjudication Notice or such longer period as is agreed by both Parties after the Dispute has been referred to the Adjudicator. The Adjudicator may extend the period of 28 days by up to 14 days with the consent of the Party by whom the Dispute was referred. If the Adjudicator fails to reach a decision within the applicable time-frame his appointment shall cease and a replacement Adjudicator shall be appointed in accordance with paragraph 2 above. The Adjudicator's decision shall be in writing and shall set out the reasons for his decision.

Costs

9. Each Party shall bear its own costs in relation to any reference of a Dispute to Adjudication. The Adjudicator's fees and the costs of any reference to the Adjudicator shall be borne as the Adjudicator shall specify, or in default, each Party shall bear half of the Adjudicator's fees and associated costs of the reference to the Adjudicator and the Parties shall be jointly and severally liable for the Adjudicator's fees and such associated costs.

Immunity of the Adjudicator

10. The Parties agree that the Adjudicator shall not be liable for anything done or omitted in the discharge or purported discharge of his functions as Adjudicator unless the act or omission is in bad faith, and any employee or agent of the Adjudicator shall be similarly protected from liability.

Involvement in arbitration proceedings

11. The Parties agree that the Adjudicator shall not be called as a witness to give evidence concerning any Dispute in respect of which he was appointed Adjudicator in any arbitration proceedings pursuant to the Agreement.



Bank Guarantee for Performance Security

[This is the format for the Performance Security to be issued by any scheduled Bank of Bangladesh in accordance with ITT Clause 54,55,56 &57]

Contract No: [insert reference number]

Date: [insert date]

To:

[insert Name and address of Procuring Entity]

PERFORMANCE GUARANTEE No: [insert number]

We have been informed that *[name of Contractor]* (hereinafter called "the Contractor") has undertaken, pursuant to Contract No *[insert reference number of Contract]* dated *[insert date of Contract]* (hereinafter called "the Contract"), the execution of works *[description of works]* under the Contract.

Furthermore, we understand that, according to your conditions, the Contract must be supported by a Bank Guarantee for Performance Security.

At the request of the Contractor, we *[name of Bank]* hereby irrevocably unconditionally undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

This guarantee is valid until *[date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal



Section 6. Bill of Quantities

Guidance Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities (BOQ) are;

- (a) to provide sufficient information on the quantities of Works to be performed to enable Tenders to be prepared efficiently and accurately; and
- (b) when a Contract has been entered into, to provide a priced BOQ for use in the periodic valuation of Works executed.
- (c) a separate item for **tests** that may be required to be carried out to ensure the quality of materials and works.

In order to attain these objectives, the items in the Bill of Quantities should be grouped into sections to distinguish between those parts of the Works that by nature, location, access, timing, or any other special characteristics may give rise to different methods of construction, phasing of the Works, or considerations of cost. General items common to all parts of the Works may be grouped as a separate section in the Bill of Quantities. Consistent with these requirements, the layout and content of the BOQ should be as simple and brief as possible. Quantities should be computed net from the Drawings, unless directed otherwise in the Contract, and no allowance should be made for bulking, shrinkage, or waste. Quantities should be rounded up or down where appropriate and spurious accuracy should be avoided.

The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for Tendering. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Project Manager and valued at the rates or prices quoted in the priced Bill of Quantities, where applicable, and otherwise at such rates or prices as the Project Manager may fix within the terms and conditions of the Contract.

Unit Rates and Price

All unit rates and prices quoted by the Tenderers against each basic item or activity shall include the Tenderer's profit, overheads, VAT and all other charges including corresponding incidental service charges for banking and, thus forth the total Tender Price quoted by the Tenderers.

The method of measurements of completed works for payment shall be based on metric system unless otherwise unavoidable.

A sample format has been suggested.

THIS GUIDANCE NOTES FOR PREPARING A BILL OF QUANTITIES ARE INTENDED ONLY AS INFORMATION FOR THE PROCURING ENTITY OR THE PERSON DRAFTING THE TENDER DOCUMENT. THIS SHOULD NOT BE INCLUDED IN THE FINAL DOCUMENT



BILL OF QUANTITIES

Lot 1:

- A: Repairing/Refurbishing of Uttor Lemshikhali GPS, Kutubdia
- B: Repairing/Refurbishing of Tabaler Char GPS, Kutubdia
- C: Repairing/Refurbishing of Kazi Helal GPS, Kutubdia

Lot 2:

- A: Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS, Pekua
- B: Repairing Refurbishing of Moddho Mognama GPS, Pekua
- C: Repairing/Refurbishing of Uttar Mognama GPS, Pekua
- D: Repairing/Refurbishing of Nondirpara GPS, Pekua

Lot 3:

- A: Repairing/Refurbishing of Baishpari GPS, Naikhongchari
- B: Repairing/Refurbishing of Sonaichori GPS, Naikhongchari
- C: Repairing/Refurbishing of Thuihlaong para GPS, Naikhongchari

Lot 4:

- A: Repairing/Refurbishing of Shabek Bilchori GPS, Lama
- B: Repairing/Refurbishing of Kalingabil GPS, Lama
- C: Repairing/Refurbishing of Yangchamukh Headmanpara GPS, Lama
- D: Repairing/Refurbishing of Sipahi Habibur Rahman GPS, Lama

Lot 5:

- A: Repairing/Refurbishing of Tarabunia Shofiul Alam GPS, Alikadam
- B: Repairing/Refurbishing of Cholkhong Tripura GPS, Alikadam
- C: Repairing/Refurbishing of Asoti Tripura Para GPS, Alikadam

Financial Offer

Summary of LOT-1, Kutubdia, Cox'sBazar

SL No	Description Item of Works	Total Amount (TK)	Remarks
A	Uttor Lemshikhali GPS, Kutubdia		
B	Tabaler Char GPS, Kutubdia		
C	Kazi Helal GPS, Kutubdia		
	Grand Total TK =		
In Word:			



(Lot-1: A)

Uttor Lemshikhali GPS, Kutubdia (Union: Lamsikhali)

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Uttor Lemshikhali GPS, Kutubdia (LOT-1 A) Union: Lamsikhali)

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)	Sqm	1,615.528		
2	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	73.140		
3	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area. (School Field Raising & Building Outside Filling)	Cum	1,042.700		
4	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test. (For All Earth Filling)	Cum	1,042.700		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
5	Turfing on approach embankment Top & slope, building compound with good quality turf supplied by the contractor of not less than 225mm x 225 mm in dimension including leveling, dressing, placing,anchoring turf with pegs, and watering till grass is fully grown, etc. all complete as per direction of the Engineer-in-Charge. (Payment to be made only when grass is fully grown)	Sqm	1,205.000		
6	125 mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	16.000		
7	250mm Brick work with Kiln 1st class bricks/ automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	6.710		
8	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface,scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2)	Sqm	1,340.448		
9	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	542.000		
10	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail	Sqm	4.324		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood				
11	Supplying, fitting and fixing Combined Steel Door & Window Shutter , Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in Each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C	Sqm	9.556		
12	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for Each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	1,836.970		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Wall, Ramp rail, railing, landing, toilet inside and other areas.				
13	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for Each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	1,614.385		
14	Painting to Door and Window frames , shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for Each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the EI-C.	Sqm	410.950		
15	BC(300mm): Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C. (Approach Road)	Sqm	243.800		
16	Brick End Edging (125mm) : Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C. (Approach Road)	Meter	200.000		
17	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all	Sqm	243.800		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. Main road to Shool building				
18	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. Main road to Shool building	Sqm	243.800		
19	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (as round shape) (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc including necessary 25mmx25mmx5mm angle and 50mmx5mm flat bar. all complete as per direction of the E-I-C.	Sqm	22.326		
20	RCC-20SCCM: Reinforced cement concrete work with minimum cement content relates to nominal mix ratio 1:2:4 and maximum water cement ratio 0.4 having minimum required average strength, $f_{cr} = 28.5$ Mpa and satisfying a compressive strength $f_c = 20$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEMII/ A-L/M / V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.2 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 35) conforming to ASTM C33 including screening chips through proper sieves, cleaning, placing shutter in position, making shutter watertight properly, placing reinforcement in position, mixing in standard mixture machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after		1.015		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. Note: Using Concrete Mixer				
21	Supplying and fabrication of Ribbed or deformed bar reinforcement conforming to BDS ISO 6935-2:2006 (or standard subsequently released from BSTI) for all types of RCC work including straightening, removing ruts, cleaning, cutting, hooking, bending, lapping and/or welding wherever required as directed, placing in position, tying with 22 BWG black annealed binding wire double fold, cost of binding wire and anchoring to the adjoining members wherever necessary, supplying and placing with proper cover blocks (1:1), supports, chairs, spacers, splices or laps etc. including cost of all materials, cost of labour, cost of equipment & machinery, loading and unloading, transportation, all other incidental charges and work at all leads and lifts etc. to complete the work as per design, drawing, specifications and direction of the E-I-C. Reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight i.e. 7850 kg/m ³ (BNBC Table 6.2.1) basis. No separate payment shall be allowed for Chairs of any shape & profile, spacer bar of any shape & profile, lap/ splice, wastages, binding wire, concrete cover blocks etc. as the cost of these is included in the unit rate.	Kg	89.813		
22	GP (Mirror Polished) 300mmx300mm size floor tiles county made of Prior approved best quality.in toilet with picking up and cleaning all complete	Sqm	18.975		
23	Glazed wall tiles tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	30.000		
24	Supply, Fitting & Fixing of 1.5mm thick Plain Fiber glass sheet of different sizes with putty all complete as per direction of the E-I-C.	Sqm	23.104		
25	Supply, Fitting & Fixing of 75mm long hinges (Brass) all complete as per direction of the E-I-C.	Each	26.000		
26	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all	Each	20.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	complete as per direction of the E-I-C.				
27	Supply, Fitting & Fixing of Door handles (Supreme Aldrops) good quality all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	8.000		
28	Supply, Fitting & Fixing of Window MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	20.000		
29	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with Each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	Sqm	5.200		
30	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.924		
31	Supplying Fitting and Fixing Railing & Rail post and Flag stand made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge.	Meter	20.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
32	Supplying, fitting and fixing stair railing or any where directed made of 50mm dia GI pipe of minimum wall thickness 2.90mm hand rail on top and 20mm dia GI pipe series of minimum wall thickness 2.1mm-2.2mm provided 50mm c/c parallel to hand rail as per drawing (top and bottom gap 125mm) fixed with vertical 40mm dia GI pipe post minimum wall thickness 2.65mm @ 900mm c/c which fixed in 6mm thick MS plate angle cleat (top 75mmx75mm and vertical 75mmx100mm) welded to vertical post fixed to stair concrete with 12mm dia MS royal bolt (4 nos) i/c cost of fabricating, cutting, bending, welding, painting 2 coats of synthetic enamel paint over a coat of anticorrosive priming in/c. cutting grooves in the R.C.C. or brick work, mending good the damages with C.C. (1:2:4) for all floors etc. all complete as per design and direction of the E-I-C.	Sqm	15.000		
33	Door/window hinge (Brass-100mm) setting with long tower bolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Kg	15.000		
34	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape 900mmx900mmx20mm) engrave writing as per direction of the E/C.	Each	1.00		
35	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
36	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
37	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
38	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	8.000		
39	38mm thick patent stone floor and Roof top slab(1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality	Sqm	944.500		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	coarse sand (minimumFM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C.				
40	Construction of Septic Tank with brick masonry works in main andpartition walls in cement mortar (1:6) as per standard drawingenumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the EI-C. For 200 users with 3 manhole covers.	Each	1.000		
41	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
42	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc.	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	as per sample accepted/approved by the Engineer.				
43	Site Cleaning: Cleaning by removal and disposal at a safe distance of everything above ground level which shall includes trees, stumps, logs, bush, undergrowth grass, crops, loose, vegetable, structures, etc. all complete as per direction of the E -I -C.	each	1.000		
44	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as per direction of the E-I-C.	Set	1.00		
45	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels.	Each	2.000		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					
46	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Pan (Model-314E, size 525mmx 295mmx 285mm, Bowl size-410mmx 225mm x 170mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C White [BISF STANDARD]	Each	3.00		
47	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. Plastic type toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	3.000		
48	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.	Each	75.00		
49	Supplying different inside dia best quality uPVC C-grade pipe				

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter Each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	75.00		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	75.00		
	25 mm dia wall thickness 3.6 mm - 4.2 mm	Meter	100.00		
50	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	20.00		
51	Supplying plastic Bucket 02 nos(30 litre), Badna 03 nos, Mog 03 nos(All RFL Brand)	Set	3.00		
52	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	4.00		
53	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	3.000		
54	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous wash hand cabinet basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P.	Each	2.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.				
55	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plasticcover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C	Each	2.00		
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
56	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 2000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	2,000.00		
57	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 2000 watt-24V/48Vprotected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side.The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Solar Inverter:of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 2000 Watt 24V/48V	Each	1.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
58	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	8.00		
59	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.00		
60	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.00		
61	"Solar Frame structure With 3mm X 38mm angle with spacing @ 12" of galvanized iron.	Watt Power	2,000.00		
62	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	2,000.00		
63	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	26.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
64	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.00		
65	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	1.00		
66	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	15.00		
67	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	2.00		
68	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	30.00		
69	Solar Pump (D.C.): Supply, fitting fixing, testing & Commissioning of Submersible Solar pump adequate capacity to lifting water from 150 ft under ground to water tank of 25 ft above from the ground (water lifting capacity at least 1000 ltr/day) compete with motor controller, solar module, cables, GI structure, Supply, fitting & fittings all upvc & ppr pipe, all wire (except boring & GI pipe) in conformity with the requirement of	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	<p>IEC/VDE/BS/JIS or equivalent as per following brand/origin of the materials. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the supplier. Necessary Catalogue, Operation & maintenance manual will be supplied from manufacturer by the contractor. Pump : Submersible centrifugal pump, adaptable to work best within 40m lift at 50 degree Celsius, Average flow : 1000 ltr/day at sated head; Non Return Valve Certificate :UL 508, CE, ISO certified Motor: Asynchronous brushless DC Motor, Water lubricated, 300W (Rated capacity) Speed-600-3300 rpm, efficiency- 92%, Submersion limitation- 250m, No electronic spares are inside the motor; Certificate :UL1004, Electric Motors CSA C22.2 No.10, CE, ISO certified MPPT Motor Controller: - Continuous maximum power point tracking controllers, provide increases PV array output by upto 30% -Float/pressure switch for overflow protection, Remote control -Reverse polarity, Overload & high temperature protection motor power 0.30KW or higher, 18A (max), 50V (max) -solar operation-MPPT, efficiency-98%- Enclosure Class-IP54, LED indication for different status Certificate :UL, CE, ISO certified Solar module/ panel: 150W or higher, voltage-12V/ 24V mono / poly crystalline, certificate: IEC61215, CE, TUV, Rhineland or VDE certified Others : Bore probe- External bore probe connected with the controller through separate submersible cable Float Switch-External float switch with pressure sensor connected to the controller with separate cables Standard L.A. & earthing rod, 1.5" dia delivery pipe etc. Brand & Origin of pump : Germany/USA/Japan Pump & Solar Panel will be of same brand Energy Saving Light : 04 nos. with holder and gang switch as required. Cable :NYY/NYY-F/6rm-4rm : 4rm BYA-FRLS type as required & 1-2C- 1.5 rm BYM for lights Pump with controller warranty : 2 yrs (at least), Solar module : 25 yrs</p>				
70	<p>Solar Battery Gel Type with casing : Supply, installation (with effective connection), testing & commissioning of maintenance free Gel type Solar battery with 2V nominal voltage, heavy duty industrial type, positive plate : Tubular, negative plate: Pasted flat, Electrolyte Dilute Sulfuric</p>	Set			

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Acid, specially suitable for Solar system. This item must includes Battery rack/cabinet of sufficient size. The term "Solar" must be engraved at the body of Battery. Battery, 12V, 130AH Brand & Origin : European/USA or equivalent Warranty : At least 10 yrs. Capacity in Ampere Hour : 500 AH				
Sub Total: Part C. Electric Works =					
Part D. Tube Well Works					
71	Mobilization of materials , equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.00		
72	Boring by using 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	335.00		
73	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5mm to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on Each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C				
	100mm Pvc pipe	Meter	30.00		
	38mm Pvc pipe	Meter	295.00		
74	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
75	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.50		
76	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.50		
77	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.00		
78	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.00		
79	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.00		
80	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.00		
81	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-I-C.	Each	1.00		
82	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.00		
83	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on Each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.00		
84	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.00		
85	Water quality testing of different parameter (As, FC, Salinity &	LS	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equivalent)				
Sub Total: Part D. Tube Well Works =					
Part E. Tree Plantation Works					
86	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	50.00		
Sub Total: Part E. Tree Plantation Works					
Part F.: New WASH Block					
87	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	Sqm	49.6125		
88	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	cum	21.014		
89	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not	cum	42.509		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	be less than 95% of MDD (STD).				
90	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	cum	6.760		
91	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	145.000		
92	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	Sqm	28.000		
93	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	88.757		
94	250mm Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	cum	7.404		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
95	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer in- charge.	Sqm	73.975		
96	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	189.845		
97	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m ² with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)	Each	4.000		
98	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm) , fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
99	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
100	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	65.229		
101	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP(Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	Sqm	49.545		
102	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	72.693		
103	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with	Sqm	3.343		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
104	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.810		
105	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size- 390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	4.000		
106	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine	Each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and mending good the damages etc. all complete as per direction of the E-I-C. White porcelain toilet Paper holder (150x150x126mm) B135:B136best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)				
107	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
	100 mm dia uPVC Y or T - Y Cleanout	Each	6.000		
108	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
109	Supplying 25mm to 200mm dia (inside) best quality uPVC pipeshaving specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	m	6.000		
110	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	4.000		
111	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	White (150mm x 110mm x 40mm size)				
112	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	m	4.000		
113	12mm dia plastic bib cock	each	13.000		
114	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	each	1.000		
115	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	4		
116	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	4		
117	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing,	Each	6		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	specification & direction of the Engineerin-charge.				
118	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	6		
119	Supplying, fitting and fixing axial flow AC capacitor type wall mounte exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	6		
120	Rain Water Harvesting System (RWHS) fitting and accessories (as diffeerent type of pipe, funnel, socket, tap, tee, elbo, gate valb) etc all complete as per directions of the E-I-C.	L.S.	1		
Part F. WASH Block Total					
Total (A+B+C+D+E+F)					

(Lot-1: B)

Tabaler Char Govt. Primary School, Kutubdia (Union: Boro Ghop)

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Name of Scheme: Repairing work of Tabaler Char Govt. Primary school Cum Cyclone Shelter. (Union: Boro Ghop)

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)	Sqm	1,145.888		
2	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area. (School Field Raising & Building Outside Filling)	Cum	243.000		
3	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test. (For All Earth Filling)	Cum	243.000		
4	Turfing on approach embankment Top & slope, building compound with good quality turf supplied by the contractor of not less than 225mm x 225 mm in dimension including leveling, dressing, placing, anchoring turf with pegs, and watering till grass is fully grown, etc. all complete as per direction of the Engineer-in-Charge. (Payment to be made only when grass is fully grown)	Sqm	810.00		
5	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and	Cum	9.577		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).				
6	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	52.150		
7	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/csqm at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Below Flag Stand Wall, Platform & Guide Wall)	Cum	0.918		
8	Dismantling of existing/damaged brick work in sub-structure or superstructure works of any type manually or any other means without any damage in structure and sorting the ismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurment for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	3.000		
9	125 mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24	Sqm	136.310		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.				
10	250mm Brick work with Kiln 1st class bricks / automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	21.919		
11	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) (Different Wall of Building, Column, Railing etc.)	Sqm	1,274.226		
12	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different wall in Ground Floor & Near Plinth area)	Sqm	378.950		
13	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood	Sqm	4.326		
14	Supplying, fitting and fixing Combined Steel Door & Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle	Sqm	7.980		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C				
15	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer. Applying each coat and successive coat is to be applied as per manufacturer special procedure, to wall and ceiling in two coats over a coat of priming coat of water sealer and ready mixed putty of approved brand. It applied on sand papered and cleaned surface and after drying applied sealer coat, 2 coats of ready mixed wall putty of approved brand, each coat dried and smoothened by sand papering. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	1,751.572		
16	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	1464.785		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
17	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the EI-C.	Sqm	561.848		
18	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc including necessary 25mmx25mmx5mm angle and 50mmx5mm flat bar. all complete as per direction of the E-I-C.	Sqm	14.640		
19	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, $f_{cr} = 24$ Mpa and satisfied a specified compressive strength $f_c = 17$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm	Cum	1.784		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing chemical admixture of complying type A under ASTM C 494 to reduce mixing water required for normal workability and to maintain low water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor				
20	Supplying and fabrication of Ribbed or deformed bar reinforcement conforming to BDS ISO 6935-2:2006 (or standard subsequently released from BSTI) for all types of RCC work including straightening, removing ruts, cleaning, cutting, hooking, bending, lapping and/or welding wherever required as directed, placing in position, tying with 22 BWG black annealed binding wire double fold, cost of binding wire and anchoring to the adjoining members wherever necessary, supplying and placing with proper cover blocks (1:1), supports, chairs, spacers, splices or laps etc. including cost of all materials, cost of labour, cost of equipment & machinery, loading and unloading, transportation, all other incidental charges and work at all leads and lifts etc. to complete the work as per design, drawing, specifications and direction of the E-I-C. Reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight i.e. 7850 kg/m ³ (BNBC Table 6.2.1) basis. No separate payment shall be allowed for Chairs of any shape & profile, spacer bar of any shape & profile, lap/ splice, wastages, binding wire, concrete cover blocks etc. as the cost of these is included in the unit rate.	Kg	277.034		
21	Supply, Fitting & Fixing of 1.5mm thick Plain Fiber glass sheet of different sizes with putty all complete as per direction of the E-I-C.	Each	14.787		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
22	Supply, Fitting & Fixing of 75mm long hinges (Brass) all complete as per direction of the E-I-C.	Each	20.000		
23	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all complete as per direction of the E-I-C.	Each	20.000		
24	Supply, Fitting & Fixing of Steel Door handles (Supreme Aldrops) good quality all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	7.000		
25	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	20.000		
26	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	Each	10.400		
27	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.924		
28	Door/window hinge (Brass-100mm) setting with long towerbolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Kg	11.00		
29	Marble Stone Plate	Each	1.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Providing, fitting and fixing marble Stone Plate of required size and shape (900mmx900mmx20mm) engrave writing as per direction of the E/C.				
30	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
31	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
32	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
33	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	9.000		
34	5.13.04 38mm thick patent stone floor and Roof top slab (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	944.500		
35	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.00		
36	Site Cleaning Cleaning by removal and disposal at a safe distance of everything above ground level which shall includes trees, stumps, logs, bush.undergrouth grass, crops, loose, vegetable, structures, etc. all complete as per direction of the E -I -C.	each	1.000		
37	Safety signage at work site	Each	1.000		
38	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects	Set	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	as as per direction of the E-I-C.				
39	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
Sub-Total: Part A. Civil Work =					
Part - B: Sanitary Work					
40	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Pan (Model-314E, size 525mmx 295mmx 285mm, Bowl size-410mmx 225mm x 170mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C White [BISF STANDARD]	Each	3.00		
41	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. Plastic type toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	3.00		
42	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	75.00		
43	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	75.00		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	75.00		
	25 mm dia wall thickness 3.6 mm - 4.2 mm	Meter	100.00		
44	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical,	Meter	10.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm				
45	Supplying plastic Bucket 02 nos(30 litre), Badna 03 nos, Mog 03 nos(All RFL Brand)	Each	3.00		
46	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	4.00		
47	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	3.00		
48	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous wash hand cabinet basin (Model-216, size- 00x450x210mm and bowl size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	2.00		
49	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plasticcover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C	Each	2.00		
Sub-Total: Part - B. Sanitary Work =					
Part - C: Electric Works					

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Solar Panel				
50	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 2000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	2,000.00		
51	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 2000 watt-24V/48Vprotected from lighting induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/MDC/DE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 2000 Watt 24V/48V	Each	1.00		
52	Solar Battery with casing :Supply, installation (with effective connection), testing &commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	8.00		
53	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	UL/ULC/VDC/VE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.				
54	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.00		
55	"Solar Frame structure With 3mm X 38mm angle with spacing @ 12" of galvanized iron. Per Wp "	Each	2,000		
56	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Each	2,000		
57	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	26.00		
58	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.00		
59	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	1.00		
60	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length	Each	12.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge				
61	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	2.00		
62	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	30.00		
63	Solar Pump (D.C.): Supply, fitting fixing, testing & Commissioning of Submersible Solar pump adequate capacity to lifting water from 150 ft under ground to water tank of 25 ft above from the ground (water lifting capacity at least 1000 ltr/day) compete with motor controller, solar module, cables, GI structure, Supply, fitting & fittings all upvc & ppr pipe, all wire (except boring & GI pipe) in conformity with the requirement of IEC/VDE/BS/JIS or equivalent as per following brand/origin of the materials. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the supplier.N ecessary Catalogue, Operation & maintenance manual will be supplied from manufacturer by the contactor.P ump : Submersible centrifugal pump, adaptable to work best within 40m lift at 50 degree Celsius, Average flow : 1000 ltr/day at sated head; Non Return Valve Certificate :UL 508, CE, ISO certified Motor: Asynchronous brushless DC Motor, Water lubricated, 300W (Rated capacity) Speed-600-3300 rpm, efficiency- 92%, Submersion limitation- 250m, No electronic spares are inside the motor; Certificate :UL1004,	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Electric Motors CSA C22.2 No.10, CE, ISO certified MPPT Motor Controller: -Continuous maximum power point tracking controllers, provide increases PV array output by upto 30% -Float/pressure switch for overflow protection, Remote control -Reverse polarity, Overload & high temperature protection motor power 0.30KW or higher, 18A (max), 50V (max) -solar operation-MPPT, efficiency-98%- Enclosure Class-IP54, LED indication for different status certificate :UL, CE, ISO certified Solar module/ panel: 150W or higher, voltage-12V/ 24V mono / poly crystalline,certificate: IEC61215, CE, TUV, Rhineland or VDE certified Others : Bore probe- External bore probe connected with the controller through separate submersible cable Float Switch-External float switch with pressure sensor connected to the controller with separate cables Standard L.A. & earthing rod, 1.5" dia delivery pipe etc. Brand & Origin of pump : Germany/USA/Japan Pump & Solar Panel will be of same brand Energy Saving Light : 04 nos. with holder and gang switch as required. Cable :NYY/NYY-F/6rm-4rm : 4rm BYA-FRLS type as required & 1-2C- 1.5 rm BYM for lights Pump with controller warranty : 2 yrs (at least), Solar module : 25 yrs				
64	Solar Battery Gel Type with casing : Supply, installation (with effective connection), testing & commissioning of maintenance free Gel type Solar battery with 2V nominal voltage, heavy duty industrial type, positive plate : Tubular,negative plate: Pasted flat, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. This item must includes Battery rack/cabinet of sufficient size. The term "Solar" must be engraved at the body of Battery. Battery,12V,130AH Brand & Origin : European/USA or equivalent Warranty : At least 10 yrs. Capacity in Ampere Hour : 500 AH	Set	1.00		
Sub-Total, Part - C: Electric work					
Part - D: Tube Well Works					
65	Mobilization of materials , equipment, tools and plants, boring rig at	LS	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C				
66	Boring by using 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	335.00		
67	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5mm to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C				
	100 mm dia Pvc Pipe	Meter	30		
	38 mm dia Pvc pipe	Meter	295		
68	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.00		
69	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.50		
70	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.50		
71	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.00		
72	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
73	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.00		
74	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.00		
75	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1.00		
76	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.00		
77	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.00		
78	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.00		
79	Water quality testing of different parameter (Arsenic, FC/Manganiz, Salinity & Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equivalent) Specification and direction of the Engineer- in-charge.	LS	1.00		
Sub-Total: Part D. Tube Well Works =					
Part - E: Tree Plantation and Fencing					
80	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	50.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part - F: New WASH Block					
81	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L),formation ground level (FGL), highest flood level (HFL), plinth level (PL).Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating,establishing,protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	sqm	49.6125		
82	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	cum	21.014		
83	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	cum	42.509		
84	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	cum	6.760		
85	Providing nosing with MS angles of different sizes. including cost of	Kg	145.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.				
86	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	sqm	28.000		
87	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	88.757		
88	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	cum	7.404		
89	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	sqm	73.975		
90	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	sqm	189.845		
91	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties	Each	4.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m ² with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)				
92	Supplying, fitting and fixing door frame with MS angle (38mmx38mmx6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		
93	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
94	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	65.229		
95	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved	sqm	49.545		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP(Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.				
96	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	sqm	72.693		
97	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	sqm	3.343		
98	Pre-cast Ventilators (25mm thick) of any design with cement	sqm	0.810		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.				
99	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)	Each	1.000		
100	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
101	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size- 390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters	Each	4.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]				
102	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	4.000		
103	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
	100 mm dia uPVC Y or T - Y Cleanout	Each	6.000		
104	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
105	Supplying 25mm to 200mm dia (inside) best quality uPVC pipeshaving specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C.	Meter	6.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Minimum inner dia 100mm and minimum wall thickness 3.4mm				
106	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	4.000		
107	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	each	4.000		
108	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	4.000		
109	12mm dia plastic bib cock	each	13.000		
110	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	each	1.000		
111	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	4		
112	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	4		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
113	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer in charge.	Each	6		
114	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	6		
115	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	6		
116	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, specification & the direction of the Engineer in charge.	Meter	20		
117	Rain Water Harvesting System (RWHS) fitting and accessories (as different type of pipe, funnel, socket, tap, tee, elbo, gate valb) etc all complete as per directions of the E-I-C.	L.S	1		
				Total WASH Block	
				Total (A+B+C+D+E+F)	

(Lot-1: C)

Kazi Helal GPS, Kutubdia (Union: Boro Ghop)

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Name of Scheme: Repairing work of Kazi Helal Uddin Ahamad Govt. Primary school Cum Cyclone Shelter.

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams,	Sqm	1,245.552		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)				
2	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area. (School Field Raising & Building Outside Filling)	Cum	152.490		
3	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test. (For All Earth Filling)	Cum	346.021		
4	Turfing on approach embankment Top & slope, building compound with good quality turf supplied by the contractor of not less than 225mm x 225 mm in dimension including leveling, dressing, placing,anchoring turf with pegs, and watering till grass is fully grown, etc. all complete as per direction of the Engineer-in-Charge. (Payment to be made only when grass is fully grown)	Cum	346.021		
5	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface,scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) (Different Wall of Building, Column, Railing etc.)	Sqm	809.055		
6	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of	Sqm	722.137		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different wall in Ground Floor & Near Plinth area)				
7	Dismantling of existing/damaged brick and RCCwork in sub-structure or superstructure works of any type manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.				
	Existing brick work	Cum	1.138		
	Existing RCC work	Sqm	1.050		
8	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	60.000		
9	250mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	1.520		
10	Supplying, fitting and fixing Combined Steel Door & Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS	Sqm	1.596		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C				
11	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	1,244.140		
12	In exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 3 Coat	Sqm	1166.321		
13	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with	Sqm	334.660		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.				
14	Supply, Fitting & Fixing of 1.5mm thick Plain Fiber glass sheet of different sizes with putty and as necessary sand papering the surface and necessary scaffolding, etc all complete as per direction of the E-I-C.	Each	4.620		
15	Supply, Fitting & Fixing of 75mm long hinges (Brass) all complete as per direction of the E-I-C.	Each	22.000		
16	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all complete as per direction of the E-I-C.	Each	20.000		
17	Supply, Fitting & Fixing of Steel Door handles (Supreme Aldrops) good quality all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	5		
18	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	18.000		
19	Door/window hinge (Brass-100mm) setting with long towerbolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Each	22.00		
20	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end	Each	10.076		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
21	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (round shape) (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc including necessary 25mmx25mmx5mm angle and 50mmx5mm flat bar. all complete as per direction of the E-I-C.	Sqm	8.250		
22	Supplying Fitting and Fixing Railing, Rail post and Flag Stand made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, spacification & the direction of the Engineer in charge.	Meter	25.000		
23	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mmx900mmx20mm) engrave writing as per direction of the E/C.	Each	1.00		
24	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
25	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
26	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
27	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	9.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
28	38mm thick patent stone floor and Roof top slab (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	866.300		
29	RCC-20SCCM: Reinforced cement concrete (RCC) work with minimum cement content relates to nominal mix ratio 1:2:4 and maximum water cement ratio 0.4 having minimum required average strength, $f_{cr} = 28.5$ Mpa and satisfying a compressive strength $f_c = 20$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEMII/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.2 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 35) conforming to ASTM C33 including screening chips through proper sieves, cleaning, placing shutter in position, making shutter watertight properly, placing reinforcement in position, mixing in standard mixture machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. Note: Using Concrete Mixer	Cum	2.468		
30	Supplying and fabrication of Ribbed or deformed bar reinforcement conforming to BDS ISO 6935-2:2006 (or standard subsequently released from BSTI) for all types of RCC work	Kg	413.255		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	including straightening, removing ruts, cleaning, cutting, hooking, bending, lapping and/or welding wherever required as directed, placing in position, tying with 22 BWG black annealed binding wire double fold, cost of binding wire and anchoring to the adjoining members wherever necessary, supplying and placing with proper cover blocks (1:1), supports, chairs, spacers, splices or laps etc. including cost of all materials, cost of labour, cost of equipment & machinery, loading and unloading, transportation, all other incidental charges and work at all leads and lifts etc. to complete the work as per design, drawing, specifications and direction of the E-I-C. Reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight i.e. 7850 kg/m ³ (BNBC Table 6.2.1) basis. No separate payment shall be allowed for Chairs of any shape & profile, spacer bar of any shape & profile, lap/ splice, wastages, binding wire, concrete cover blocks etc. as the cost of these is included in the unit rate.				
31	(Mirror Polished) 300mmx300mm size floor tiles county made of Prior approved best quality.in toilet with picking up and cleaning all complete	Sqm	28.669		
32	Glazed wall tiles tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	45.00		
33	Construction of Septic Tank with brick masonry works in main andpartition walls in cement mortar (1:6) as per standard drawingenumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the EI-C. For 200 users with 3 manhole covers.	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
34	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
35	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.00		
36	Taking off existing BFS from from approach road or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	60.39		
37	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	Sqm	121.90		
38	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (Approach Road & Ramp)	Cum	19.382		
39	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	100.00		
40	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling	Sqm	121.900		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.				
41	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	121.900		
42	Site Cleaning Cleaning by removal and disposal at a safe distance of everything above ground level which shall includes trees, stumps, logs, bush, undergrowth grass, crops, loose, vegetable, structures, etc. all complete as per direction of the E-I-C.	LS	1.000		
43	Safety sign at work site	Each	1.000		
44	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as per direction of the E-I-C.	Set	1.00		
45	Supplying, fitting & fixing Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
Sub-Total: Part A. Civil Work =					
Part - B: Sanitary Work					
46	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Pan (Model-314E, size 525mmx 295mmx 285mm, Bowl size-410mmx 225mm x 170mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C White [BISF STANDARD]	Each	6.00		
47	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. Plastic type toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	6.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
48	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	75.00		
49	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	75.00		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	100.00		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	100.00		
50	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	10.00		
51	Supplying plastic Bucket 02 nos(30 litre), Badna 03 nos, Mog 03 nos(All RFL Brand)	Each	3.00		
52	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	4.00		
53	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	4.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
54	Supplying, fitting and fixing "BISF STANDARD" glazed vitreous wash hand cabinet basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	4.00		
55	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plasticcover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C	Each	2.00		
Sub-Total: Part - B. Sanitary Work =					
Part - C: Electric Works					
Solar Panel					
56	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 2000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	2,000.00		
57	Solar Inverter: Supply, fitting fixing & testing the solar inverter, 2000 watt-24V/48Vprotected from lighting induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 2000 Watt 24V/48V				
58	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	8.00		
59	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.00		
60	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.00		
61	Solar Frame structure With 3mm X 38mm angle with spacing @ 12" of galvanized iron.	Watt Power	2,000.00		
62	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the	Watt Power	2,000.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	concerned contractor.				
63	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	30.00		
64	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.00		
65	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	1.00		
66	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	10.00		
67	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	2.00		
68	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	30.00		
69	Solar Pump (D.C.): Supply, fitting fixing, testing & Commissioning of Submersible Solar pump adequate capacity to lifting water from	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	<p>150 ft under ground to water tank of 25 ft above from the ground (water lifting capacity at least 1000 ltr/day) compete with motor controller, solar module, cables, GI structure, Supply, fitting & fittings all upvc & ppr pipe, all wire (except boring & GI pipe) in conformity with the requirement of IEC/VDE/BS/JIS or equivalent as per following brand/origin of the materials. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the supplier. Necessary Catalogue, Operation & maintenance manual will be supplied from manufacturer by the contractor. Pump : Submersible centrifugal pump, adaptable to work best within 40m lift at 50 degree Celsius, Average flow : 1000 ltr/day at sated head; Non Return Valve Certificate :UL 508, CE, ISO certified Motor: Asynchronous brushless DC Motor, Water lubricated, 300W (Rated capacity) Speed-600-3300 rpm, efficiency- 92%, Submersion limitation- 250m, No electronic spares are inside the motor; Certificate :UL1004, Electric Motors CSA C22.2 No.10, CE, ISO certified MPPT Motor Controller: -Continuous maximum power point tracking controllers, provide increases PV array output by upto 30% -Float/pressure switch for overflow protection, Remote control -Reverse polarity, Overload & high temperature protection motor power 0.30KW or higher, 18A (max), 50V (max) -solar operation-MPPT, efficiency-98%- Enclosure Class-IP54, LED indication for different status Certificate :UL, CE, ISO certified Solar module/ panel: 150W or higher, voltage-12V/ 24V mono / poly crystalline, certificate: IEC61215, CE, TUV, Rhineland or VDE certified Others : Bore probe- External bore probe connected with the controller through separate submersible cable Float Switch-External float switch with pressure sensor connected to the controller with separate cables Standard L.A. & earthing rod, 1.5" dia delivery pipe etc. Brand & Origin of pump : Germany/USA/Japan Pump & Solar Panel will be of same brand Energy Saving Light : 04 nos. with holder and gang switch as required. Cable :NYY/NYY-F/6rm-4rm : 4rm BYA-FRLS type as required & 1-2C- 1.5 rm BYM for lights Pump with controller warranty : 2 yrs (at least), Solar module : 25 yrs</p>				
70	<p>Solar Battery Gel Type with casing : Supply, installation (with effective connection), testing</p>	Set	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	&commissioning of maintenance free Gel type Solar battery with 2V nominal voltage, heavy duty industrial type, positive plate : Tubular,negative plate: Pasted flat, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. This item must includes Battery rack/cabinet of sufficient size. The term "Solar" must be engraved at the body of Battery. Battery,12V,130AH Brand & Origin : European/USA or equivalent Warranty : At least 10 yrs. Capacity in Ampere Hour : 500 AH				
Sub-Total, Part - C: Electric work					
Part - D: Tube Well Works					
71	Mobilization of materials, equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.00		
72	Boring by using 200mm & 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	335.00		
73	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5mm to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C				
	100mm dia Pvc Pipe	Meter	30		
	38mm dia Pvc pipe	Meter	295		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
74	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.00		
75	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.50		
76	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.50		
77	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	2.00		
78	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.00		
79	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.00		
80	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.00		
81	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1.00		
82	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.00		
83	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.00		
84	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and	LS	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	direction of the Engineer- in-charge.				
85	Water quality testing of different parameter (As, Fe, Salinity, Iron) from a recognized lab.Payment will be	LS	1.00		
Sub-Total: Part D. Tube Well Works =					
Part - E: Tree Plantation and Fencing					
86	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	50.00		
Part F. WASH Block					
87	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level (EGL), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including locating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	sqm	49.6125		
88	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	cum	21.014		
89	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per	cum	42.509		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).				
90	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	cum	6.760		
91	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	145.000		
92	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	sqm	28.000		
93	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	88.757		
94	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	cum	8.304		
95	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS)	sqm	73.975		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer in- charge.				
96	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (At Wall, Floor, Flag Stand, Ramp, Stair, Guide Wall and Different Place)	sqm	189.845		
97	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m ² with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)	Each	4.000		
98	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
99	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
100	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	65.229		
101	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	sqm	49.545		
102	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	sqm	72.693		
103	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each	sqm	3.343		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
104	5.12.11 Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	sqm	0.810		
105	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	4.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
106	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	4.000		
107	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
	100 mm dia uPVC Y or T - Y Cleanout	Each	6.000		
108	7.08.02 Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
109	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	6.000		
110	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	4.000		
111	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	White (150mm x 110mm x 40mm size)				
112	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	4.000		
113	12mm dia plastic bib cock	Each	13.000		
114	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
115	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer-in-charge. (At Building- 1 & 2)	Each	4		
116	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	4		
117	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch	Each	6		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer-in-charge. (At Building- 1 & 2)				
118	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	6		
119	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	6		
120	Rain Water Harvesting System (RWHS) fitting and accessories (as different type of pipe, funnel, socket, tap, tee, elbo, gate valb) etc all complete as per directions of the E-I-C.	L.S.	1		
				WASH Block total	
				Total (A+B+C+D+E+F)	

Financial Offer

Summary of LOT-2, Pekua, Cox'sBazar

SL No	Description Item of Works	Total Amount (TK)	Remarks
A	Moddho Uzzantia Veluar Para GPS, Pekua		
B	Moddho Mognama GPS, Pekua		
C	Uttar Mognama GPS, Pekua		
D	Nondirpara GPS, Pekua		
	Grand Total TK =		
In Word:			

(Lot-2: A)

Madham Uzzaintia Belourpara Govt. Primary school Cum Cyclone Shelter. Union: Uzzaintia

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. WASH Block		
6	Part F. Tree Plantation Works		
	Grand Total TK =		
In Word:			

Name of Scheme: Repairing works of Madham Uzzaintia Belourpara Govt. Primary school Cum Cyclone Shelter. (LOT 2 A)

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)	Sqm	627.300		
2	Taking off CI sheet or fiber glass roofing of building without any damages of structure by any means, including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Sqm	3.000		
3	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	2.000		
4	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	2.000		
5	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (Approach Road & Ramp)	Cum	124.308		
6	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/csqm at 28 days of curing (suggested	Cum	39.216		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Below Flag Stand Wall, Platform & Guide Wall)				
7	Brick work with Kiln 1st class bricks/ automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	7.500		
8	125 mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	8.839		
9	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface,scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) (Different Wall of Building, Column, Railing etc.)	Sqm	567.300		
10	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different wall in Ground Floor & Near Plinth area)	Sqm	322.300		
11	Minimum 6mm thick cement plaster (1:4) with Portland	Sqm	100.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to ceiling RCC columns, beams, surface of stair case, sunshades, cornices, railings, drop wall, louvers, fins and finishing the corners and edges in/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E-I-C.				
12	Supplying, fitting and fixing 0.46mm (26 SWG) thick Galvanized color iron Corrugated Sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C. Roof	Sqm	5.000		
13	Supplying, fitting and fixing Door frame with MS angle (50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C	Meter	55.440		
14	Supplying fitting and fixing Steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	22.176		
15	Supplying and making Door frames with seasoned wood of required size in/c painting two coats of coal tar to the surface in contact with wall, fitted and fixed in position and mending good any damage (All sizes of wood are finished) for all floors etc. all complete as per direction of the E-I-C. Garjan wood	Cum	0.396		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
16	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood	Sqm	4.120		
17	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. Wall, Ramp rail, railing, landing, toilet inside and other areas.	Sqm	1,173.000		
18	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2Coat	Sqm	1,101.050		
19	Painting to Door and Window frames, shutters and any	Sqm	237.816		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.				
20	BC(300mm): Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C. (Approach Road)	Sqm	2.808		
21	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C. (Approach Road)	Meter	13.000		
22	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	12.860		
23	Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-	Sqm	9.360		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	charge.				
24	Supply, Fitting & Fixing of 75mm long hinges (Brass) all complete as per direction of the E-I-C.	Each	12.000		
25	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all complete as per direction of the E-I-C.	Each	12.000		
26	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	12.000		
27	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	Sqm	3.200		
28	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge.	Meter	34.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
29	Supplying, fitting and fixing stair railing or any where directed made of 50mm dia GI pipe of minimum wall thickness 2.90mm hand rail on top and 20mm dia GI pipe series of minimum wall thickness 2.1mm-2.2mm provided 50mm c/c parallel to hand rail as per drawing (top and bottom gap 125mm) fixed with vertical 40mm dia GI pipe post minimum wall thickness 2.65mm @ 900mm c/c which fixed in 6mm thick MS plate angle cleat (top 75mm x 75mm and vertical 75mm x 100mm) welded to vertical post fixed to stair concrete with 12mm dia MS royal bolt (4 nos) i/c cost of fabricating, cutting, bending, welding, painting 2 coats of synthetic enamel paint over a coat of anticorrosive priming in/c. cutting grooves in the R.C.C. or brick work, mending good the damages with C.C. (1:2.4) for all floors etc. all complete as per design and direction of the E-I-C.	Sqm	20.000		
30	Door/window hinge (Brass-100mm) setting with long tower bolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Kg	3.000		
31	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x 900mm x 20mm) engrave writing as per direction of the E/C.	Each	1.000		
32	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E-I-C.	LS	1.000		
33	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building, Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
34	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C. (Mobaj)	Each	4.000		
35	38mm thick on an average roof top cement concrete	Sqm	289.575		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips / picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc. all complete as per drawing, specification and direction of the E-I-C Roof top screed				
36	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as per directions of the E-I-C.	Set	1.000		
37	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
38	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.000		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					
39	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. Plastic type toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	2.000		
40	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45 , wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout				
41	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	50.000		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	60.000		
42	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	80.000		
43	Supplying plastic Bucket 02 nos(30 litre), Badna 03 nos, Mog 03 nos(All RFL Brand)	Set	3.000		
44	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	6.000		
45	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	6.000		
46	Supplying, fitting and fixing "BISF STANDARD" glazed vitreous wash hand cabinet basin (Model-216, size-	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.				
47	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plasticcover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C	Each	1.000		
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
48	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	1,000.000		
49	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48Vprotected from lighting induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 1000 Watt 24V/48V				
50	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
51	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.000		
52	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Engineer in charge.				
53	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1,000.000		
54	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1,000.000		
55	Channel Wiring: Surface Channel Light point/ Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	16.000		
56	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal ing Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	12.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
57	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	Each	1.000		
58	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	2.000		
59	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	7.000		
60	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.000		
61	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	12.000		
62	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying , assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	4.000		
63	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other	Each	60.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	accessories as per drawing, specification & direction of the Engineerin-charge..				
64	Holder Repairing of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	60.000		
65	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	53.000		
Sub Total: Part C. Electric Works =					
Part D. Tube Well Works					
66	Mobilization of materials, equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.000		
67	Boring by using 200mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	335.000		
68	Submersible pump: Supplying, assembling, fitting, fixing, installation (with effective connection), testing & Commissioning of following capacity multistage sub-mersible water pump motor set manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard comprising of single stage 2900 RPM sub-mersible motor having Insulation: Class F & protection : IP68 (minimum) suitable for operation at three/ single phase 400/230V, 50Hz AC Supply with 18.29 meter (60') column pipe (API-5L, grade B) with flange gasket, non-return valve, pressure gauge, 40meter (131'-0") long required marine cable in a single length etc. complete in all respect manufactured by CE certified/ UL listed countries as per sample approved by	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Engineer in charge. Motor set. 2.0 H.P, Discharge: 40-200 liter/min Head: 58-21 meter. Suction & delivery : 50mmx50mm Column Pipe: 50 mm, Brand : Pedrollow/Saer, Italy				
69	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5m to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C	Meter	325.000		
70	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.000		
71	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.000		
72	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.000		
73	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.000		
74	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.000		
75	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
76	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1.000		
77	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.000		
78	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
79	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.000		
80	Water quality testing of different parameter (As, FC, Salinity & Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equivalent)	LS	1.000		
Sub Total: Part D. Tube Well Works =					
Part E. Tree Plantation Works					
81	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	20.000		
Sub Total: Part E. Tree Plantation Works					
Total (A+B+C+D+E)					

(Lot-2: B)

Maddo Mognama Govt. Primary school Cum Cyclone Shelter. Union: Mognama

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Deep Tube Well with Hand Pump		
5	Part E. Tree Plantation Works		
	Grand Total TK =		
In Word:			

Maddo Mognama Govt. Primary school Cum Cyclone Shelter (LOT-2 B) Union: Mognama

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)	Sqm	728.495		
2	taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	4.000		
3	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (Approach Road, Ramp & Dustbin)	Cum	1.542		
4	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	8.000		
5	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/csqm at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Below Flag Stand Wall, Platform & Guide Wall)	Cum	0.539		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
6	125 mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	30.635		
7	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface,scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) (Different Wall of Building, Column, Railing etc.)	Sqm	116.000		
8	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different wall in Ground Floor & Near Plinth area)	Sqm	116.448		
9	Minimum 6mm thick cement plaster (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to ceiling RCC columns, beams, surface of stair case, sunshades, cornices, railings, drop wall, louvers, fins and finishing the corners and edges in/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E-I-C.	Sqm	55.120		
10	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing	Sqm	2160.877		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. Wall, Ramp rail, railing, landing, toilet inside and other areas.				
11	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2Coat	Sqm	1,501.370		
12	Supplying, fitting and fixing verandah or Stair grill or any where directed made of 10mm dia MS rods provided 75mm c/c in any position both ways as per design with outside MS angle frame (25mmx25mmx6mm) in/c fabricating, welding, cost of electricity, workshop charge, carriage, fixing with M.S. clamps or steel royal bolt in walls/RCC member.Painting with two coats of synthetic enamel paint over a coat of anticorrosive priming etc. all complete for all floor as per direction of the E-I-C.	Sqm	2.925		
13	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	443.084		
14	Supplying fitting and fixing Steel Door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	3.593		
15	Supply, Fitting & Fixing of 75mm long hinges (Brass) all	Each	35.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	complete as per direction of the E-I-C.				
16	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all complete as per direction of the E-I-C.	Each	35.000		
17	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	sqm	10.000		
18	125mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	7.296		
19	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	sqm	1.094		
20	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	17.000		
21	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.277		
22	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as	Meter	24.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	per design, drawing, specification & the direction of the Engineer in charge.				
23	Door/window hinge (Brass-100mm) setting with long towerbolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Kg	15.000		
24	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mmx900mmx20mm) engrave writing as per direction of the E/C.	Each	1.000		
25	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
26	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		-
27	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
28	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	10.000		
29	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.000		
30	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.00		
31	Supplying, fitting and fixing 1.5 mm thick fiber glass corrugated sheet roofing fitted and fixed on M.S. sections with 'J' hook or wooden purlin with screws, limpet washers and putty etc. all complete as per direction of the E-I-C.	Sqm	21.23		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	(For Rain Water Harvesting Shed)				
32	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C. (For Rain Water Harvesting Shed)	Kg	85.00		
33	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips/picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc. all complete as per drawing, specification and direction of the E-I-C	sqm	455.98		
34	Supplying, fitting and fixing 20mm thick laminated board, Aluminum frame, wheel , long hinges movable partition wall with screws etc. all complete as per direction of the E-I-C. (Moveable Partition wall in Hall room at 2nd Floor)	Sqm	15.45		
35	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.00		
Sub Total: Part A. Civil Work=					
Part B: Sanitary Work					
36	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm) (At Toilet)	Each	6.000		
37	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.	Each	8.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	100 mm dia uPVC Y or T - Y Cleanout (At Toilet)				
38	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	70.000		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	70.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	70.000		
39	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm (At Toilet)	Meter	120.000		
40	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand) (At Toilet)	Set	6.000		
41	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. (At Toilet)	Each	9.000		
42	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	9.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
43	Supplying, fitting and fixing "BISF STANDARD" glazed vitreous Wash Hand Cabinet Basin (Model-216, size-00x450x210mm and bowl size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C. (At Toilet)	Each	2.00		
44	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	1.000		
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
45	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	1,000.000		
46	upply, fitting fixing & testing the solar inverter, 1000 watt-24V/48V protected from lighting induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 1000 Watt 24V/48V				
47	Solar Battery with casing :Supply, installation (with effective connection), testing &commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
48	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs. Solar Charger:24/48v, 45A	Each	1.000		
49	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
50	Solar Frame structure With 3mm X 38mm angle with	Watt	1,000.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	spacing @ 12"of galvanized iron.	Power			
51	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1,000.000		
52	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages: Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge. (At Building- 1 & 2)	Each	25.000		
53	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge. (At Building- 1 & 2)	Each	15.000		
54	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	Each	1.000		
55	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with	Each	6.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	control switc etc. complete as per drawing & directions of the E-I-C.				
56	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	9.000		
57	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	12.000		
58	Ceiling fan Supplying, fitting and fixing 250V capacitor type 1.422m sweep (best quality) ceiling fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C.Brand:BRB/Energypac or equivalent approved by Engineer in charge. (At Building- 1 & 2)	Each	14.000		
59	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge. (At Building- 1 & 2)	Each	6.000		
60	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-	Each	30.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	charge.(At Building- 1 & 2)				
61	Holder Replase of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	30.000		
62	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	25.000		
Sub Total: Part C. Electric Works =					
Part D. Deep Tuble with Hand Pump					
63	Boring by using 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	335.000		
64	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5mm to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C	Meter	325.00		
65	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.000		
66	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.000		
67	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.000		
68	38mm dia water graded PVC Strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot	Meter	6.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	size. All complete as per Design,Drawing, Specification and direction of the Engineer- in-charge.				
69	Supplying,Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design,Drawing, Specification and direction of the Engineer- in-charge.	Each	1.000		
70	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.000		
71	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.000		
72	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1.000		
73	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	hour	48.000		
74	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name Plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
75	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design,Drawing, Specification and direction of the Engineer- in-charge.	LS	1.000		
76	Water quality testing of different parameter (As, FC, Salinity & Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equivalent)	LS	1.000		
77	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to DIN/NEMA/IEC/BS/VDE/JIS &	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price(TK.)
	ISO 9001 standard of following capacity suitable for operation at single phase, 220V, 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer. 2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")				
78	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	25.00		
Sub Total: Part D. Deep Tuble with Hand Pump=					
Part E. Tree Plantation Works					
79	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	each	20.000		
Sub Total: Part E. Tree Plantation Works					
Total (A+B+C+D+E)					

(Lot-2: C)

Uttar Magnama Govt. Primary school Cum Cyclone Shelter (LOT 2 C) Union: Magnama

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
	Grand Total TK =		
In Word:			

Repairing works of Uttar Magnama Govt. Primary school Cum Cyclone Shelter (LOT 2 C) Union: Magnama

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)	Sqm	908.115		
2	Taking off CI sheet or fiber glass roofing of building without any damages of structure by any means, including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Cum	3.000		
3	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	10.000		
4	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	4.000		
5	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (Approach Road & Ramp)	Cum	8.602		
6	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/csqm at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own	Cum	0.224		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Below Flag Stand Wall, Platform & Guide Wall)				
7	125 mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	9.120		
8	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface,scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) (Different Wall of Building, Column, Railing etc.)	Sqm	497.54		
9	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different wall in Ground Floor & Near Plinth area)	Sqm	57.488		
10	Minimum 6mm thick cement plaster (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to ceiling RCC columns, beams, surface of stair case, sunshades, cornices, railings, drop wall, louvers, fins and finishing the corners and edges in/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E-I-C.	Sqm	6.000		
11	Supplying, fitting and fixing 0.46mm (26 SWG) thick Galvanized color iron Corrugated Sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws,	Sqm	3.850		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C. Roof				
12	Supplying fitting and fixing Steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	14.355		
13	Supplying and making well matured natural Seasoned solid wood Garjan wood works in frames of roof truss & door frame of required length and size with wall plates as per design in/c supplying, fabricating, hoisting, scaffolding, fitting and fixing in position with bolts and nuts for all floors etc. all complete as per direction of the E-I-C. (All sizes of wood are finished).	Cum	1.000		
14	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. Wall, Ramp rail, railing, landing, toilet inside and other areas.	Sqm	1,234.660		
15	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2Coat	Sqm	999.173		
16	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in	Sqm	409.542		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the EI-C.				
17	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C. (Approach Road)	Sqm	12.438		
18	125mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	7.296		
19	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C. (Approach Road)	Meter	38.000		
20	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	36.054		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
21	Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Meter	34.960		
22	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.	cum	48.000		
23	Supply, Fitting & Fixing of 1.5mm thick Plain Fiber glass sheet of different sizes with putty all complete as per direction of the E-I-C.	Sqm	56.559		
24	Supply, Fitting & Fixing of 75mm long hinges (Brass) all complete as per direction of the E-I-C.	Each	40.000		
25	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all complete as per direction of the E-I-C.	Each	40.000		
26	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	40.000		
27	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof	Sqm	14.297		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
28	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.554		
29	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge.	Meter	24.000		
30	Supplying, fitting and fixing stair railing or any where directed made of 50mm diawith (12mm Dia) GI pipe of minimum wall thickness 2.90mm hand rail on topand 20mm dia GI pipe series of minimum wall thickness 2.1mm-2.2mm provided 50mm c/c parallel to hand rail as per drawing (top and bottom gap 125mm) fixed with vertical 40mm dia GI pipe postminimum wall thickness 2.65mm @ 900mm c/c which fixed in 6mmthick MS plate angle cleat (top 75mmx75mm and vertical 75mm x 100mm) welded to vertical post fixed to stair concrete with12mm dia MS royal bolt (4 nos) i/c cost of fabricating, cutting,bending, welding, painting 2 coats of synthetic enamel paint over acoat of anticorrosive priming in/c. cutting grooves in the R.C.C. or brick work, mending good the damages with C.C. (1:2.4) for all floors etc. all complete as per design and direction of the E-I-C.	Sqm	40.000		
31	Door/window hinge (Brass-100mm) setting with long	Kg	15.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	towerbolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge				
32	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mmx900mmx20mm) engrave writing as per direction of the E/C.	Each	1.000		
33	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
34	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
35	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
36	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	14.000		
37	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.000		
38	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.00		
39	Supplying, fitting and fixing 1.5 mm thick fiber glass corrugated sheet roofing fitted and fixed on M.S. sections with 'J' hook or wooden purlin with screws, limpet washers and putty etc. all complete as per direction of the E-I-C. (For Rain Water Harvesting Shed)	Sqm	21.228		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
40	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C. (For Rain Water Harvesting Shed)	Kg	85.000		
41	Suppling and fitting fixing Emergency Exit stair with hand rail. Providing MS Sheet/plate 900mm x 525mm x 2mm plate 18 nos, 900mm x 900mm x 3mm plate with 25mm(L=15m) and 38mm(L=35m) dia. MS pipe. Welding at the splicing point of mild steel chequer plate with joist of deck at all points (50mm c/c) using electrodes, including cleaning, local handling, cost of all materials, labours, tools, equipment, cost of power, etc. all complete as per drawings, specifications and directions of the Engineer-in-Charge.	Sqm	5.10		
42	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips/picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc. all complete as per drawing, specification and direction of the E-I-C	sqm	289.58		
43	19 Supplying, fitting and fixing 20mm thick laminated board, Aluminum frame, wheel , long hinges movable partition wall with screws etc. all complete as per direction of the E-I-C. (Moveable Partition wall in Hall room at 2nd Floor)	Sqm	15.45		
44	17 Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.00		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					
45	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Pan (Model-314E, size 525mmx 295mmx 285mm, Bowl size-410mmx 225mm x 170mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the	Each	6.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	E-I-C White [BISF STANDARD]				
46	7.07.02.04 xing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. Plastic type toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	5.000		
47	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 7.08.04.03 100 mm dia uPVC Y or T - Y Cleanout	Each	20.000		
48	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	50.000		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	40.000		
49	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	50.000		
50	Supplying plastic Bucket 02 nos(30 litre), Badna 03 nos, Mog 03 nos(All RFL Brand)	Set	3.000		
51	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes	Each	9.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)				
52	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	6.000		
53	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous wash hand cabinet basin (Model-216, size-00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	3.000		
54	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	1.000		
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
55	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation &	Watt Power	1,000.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs				
56	Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48V protected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 1000 Watt 24V/48V	Each	1.000		
57	Solar Battery with casing :Supply, installation (with effective connection), testing &commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
58	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.				
59	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
60	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1,000.000		
61	Solar installation (with effective connection); installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1,000.000		
62	Channel Wiring: Surface Channel Light point / Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	30.000		
63	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal ing Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel	Each	17.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
64	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	Each	1.000		
65	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	6.000		
66	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	9.000		
67	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	7.000		
68	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	23.000		
69	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification &	Each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	direction of the Engineer-in-charge..				
70	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer-in-charge..	Each	25.000		
71	Holder Repairing of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	25.000		
72	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	40.000		
Sub Total: Part C. Electric Works =					
Part D. Tube Well Works with Hand Pump					
73	Boring by using 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	300.00		
74	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5m to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification	Meter	290.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and direction of the E-I-C				
75	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.00		
76	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.00		
77	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.00		
78	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.00		
79	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.00		
80	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.00		
81	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.00		
82	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1.00		
83	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.00		
84	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample	Each	1.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.				
85	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.00		
86	Water quality testing of different parameter (As, FC, Salinity & Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equavalent)	LS	1.00		
87	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard of following capacity suitable for operation at single phase, 220V, 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer. 2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")	Each	1.00		
88	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	25.00		
Sub Total: Part E. Tube Well Works =					
Part E. Tree Plantation Works					
89	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C.	Each	20.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(Payment will disburse on actual number of trees at the time of handover).				
Sub Total: Part E. Tree Plantation Works					
Total (A+B+C+D+E)					

(Lot-2: D)

Nondirpara Govt. Primary School Cum Cyclone Shelter (LOT 2 D) Union: Pekua

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. WASH Block		
5	Part E. Tree Plantation Works		
	Grand Total TK =		
In Word:			

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Ground to 2nd Floor of 02 nos. Building)	Sqm	226.50		
2	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	4.00		
3	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (Approach Road & Ramp)	Cum	37.50		
4	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked Stone chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/csqm at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Below Flag Stand Wall, Platform & Guide Wall)	Cum	16.42		
5	125 mm Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite	Sqm	8.84		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	period, etc. all complete as per direction of the E-I-C.				
6	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) (Different Wall of Building, Column, Railing etc.)	Sqm	170.50		
7	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different wall in Ground Floor & Near Plinth area)	Sqm	44.00		
8	Minimum 6mm thick cement plaster (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to ceiling RCC columns, beams, surface of stair case, sunshades, cornices, railings, drop wall, louvers, fins and finishing the corners and edges in/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E-I-C.	Sqm	12.00		
9	Supplying, fitting and fixing Door frame with MS angle (50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C	Meter	9.24		
10	Supplying fitting and fixing Steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	0.13		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
11	Supplying and making Door frames with seasoned wood of required size in/c painting two coats of coal tar to the surface in contact with wall, fitted and fixed in position and mending good any damage (All sizes of wood are finished) for all floors etc. all complete as per direction of the E-I-C. Garjan wood	Cum	0.26		
12	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood	Sqm	0.26		
13	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. Wall, Ramp rail, railing, landing, toilet inside and other areas.	Sqm	767.00		
14	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	705.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	2Coat				
15	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	181.89		
16	BC(300mm): Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C. (Approach Road)	Sqm	36.00		
17	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	80.00		
18	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	63.50		
19	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-	Meter	60.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	in-charge.				
20	Supply, Fitting & Fixing of 75mm long hinges (Brass) all complete as per direction of the E-I-C.	Each	12.00		
21	Supply, Fitting & Fixing of 150mm long socket Bolt (Brass) . all complete as per direction of the E-I-C.	Each	12.00		
22	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	12.00		
23	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	Sqm	3.20		
24	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge.	Meter	28.00		
25	Supplying, fitting and fixing stair railing or any where directed made of 50mm dia GI pipe of minimum wall	Sqm	10.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	thickness 2.90mm hand rail on top and 20mm dia GI pipe series of minimum wall thickness 2.1mm-2.2mm provided 50mm c/c parallel to hand rail as per drawing (top and bottom gap 125mm) fixed with vertical 40mm dia GI pipe post minimum wall thickness 2.65mm @ 900mm c/c which fixed in 6mm thick MS plate angle cleat (top 75mm x 75mm and vertical 75mm x 100mm) welded to vertical post fixed to stair concrete with 12mm dia MS royal bolt (4 nos) i/c cost of fabricating, cutting, bending, welding, painting 2 coats of synthetic enamel paint over a coat of anticorrosive priming in/c. cutting grooves in the R.C.C. or brick work, mending good the damages with C.C. (1:2.4) for all floors etc. all complete as per design and direction of the E-I-C.				
26	Door/window hinge (Brass-100mm) setting with long tower bolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Kg	3.00		
27	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x 900mm x 20mm) engrave writing as per direction of the E/C.	Each	1.00		
28	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.00		
29	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.00		
30	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.00		
31	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C. (Mobaj)	Each	4.00		
32	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite	Sqm	180.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips / picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc. all complete as per drawing, specification and direction of the E-I-C Roof top screed				
33	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.00		
34	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.00		
35	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.00		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					
36	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Pan (Model-314E, size 525mmx 295mmx 285mm, Bowl size-410mmx 225mm x 170mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C White [BISF STANDARD]	Each	2.000		
37	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. Plastic type toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	2.000		
38	Supplying different inside dia best quality uPVC special	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
39	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	30.000		
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	40.000		
40	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	50.000		
41	Supplying plastic Bucket 02 nos(30 litre), Badna 03 nos, Mog 03 nos(All RFL Brand)	Set	3.000		
42	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	3.000		
43	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder	Each	3.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(Medium quality)				
44	Supplying, fitting and fixing "BISF STANDARD" glazed vitreous wash hand cabinet basin (Model-216, size-00x450x210mm and bowl size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	2.000		
45	Supplying, fitting and fixing plastic overhead Water Tank of 1000 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	1.000		
46	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	25.00		
			Sub Total: Part B. Sanitary work =		
			Part C. Electric Works		
47	Solar Panel Supply, fitting fixing and testing of 200 - 250 Wp 12V Mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall be in conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be	Watt Power	1,000.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs				
48	Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48V protected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 1000 Watt 24V/48V	Each	1.000		
49	Solar Battery with casing: Supply, installation (with effective connection), testing &commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
50	Charge Controller: Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	warranty : At least 03 yrs.				
51	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
52	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1,000.000		
53	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1,000.000		
54	Channel Wiring: Surface Channel Light point / Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	16.000		
55	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal ing Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5	Each	12.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
56	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	Each	1.000		
57	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	2.000		
58	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	7.000		
59	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.000		
60	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	12.000		
61	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	4.000		
62	Gang switch & socket: 5A piano Switch Supplying,	Each	40.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer in-charge..				
63	Holder Replace of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	15.000		
64	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	15.000		
65	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard of following capacity suitable for operation at single phase, 220V, 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer. 2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")	Each	1.00		
Sub Total: Part C. Electric Works =					
Part D. Wash Block (2 Chamber)					
66	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating, establishing, protecting all public utilities within the premise of work and finally all to be presented in	Sqm	11.36		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	black and white etc. all complete as per direction of the E-I-C.				
67	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	1.05		
68	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	Cum	0.87		
69	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, $f_{cr} = 24$ Mpa and satisfied a specified compressive strength $f_c = 17$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with	Sqm	0.13		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	hoper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor				
70	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, f_y (ReH) = 400 MPa, but the tested yield strength shall not exceed f_y by more than the 125 MPa and the ratio of tested ultimate strength, f_u (Re) to tested yield strength (f_y) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	36.69		
71	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	43.36		
72	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification	Sqm	9.90		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and direction of the Engineer in- charge.				
73	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge. (sand of minimum F.M 1.2)	Sqm	89.70		
74	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m ² with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)	Each	2.00		
75	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.18		
76	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar	Sqm	1.72		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	stiffener etc. all complete as per drawing and direction of E-I-C.				
77	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.00		
78	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized fiber corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	Sqm	5.58		
79	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	80.85		
80	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	29.28		
81	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.54		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
82	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size- 390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	2.00		
83	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.00		
84	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
	100 mm dia uPVC Y or T - Y Cleanout	Each	2.00		
85	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.00		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.00		
86	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	4.00		
87	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.00		
88	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	2.00		
89	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	2.00		
90	12mm dia plastic bib cock	Each	10.00		
91	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.00		
Sub Total: Part D. Wash Block (2 Chamber) =					
Part D. Submersible Pump Work					
92	Mobilization of materials, equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.00		
93	Boring by using 200mm dia cutter and 38mm dia GI Pipe and				

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.				
	From 0.0m to 50m = 50m	m	50.00		
	From 50m to 100m = 50m	m	50.00		
	From 100m to 152m = 52m	m	52.00		
	From 152m to 200m = 48m	m	48.00		
	From 200m to 250m = 50m	m	50.00		
	Beyond 250m	m	85.00		
94	Submersible pump: Supplying, assembling, fitting, fixing, installation (with effective connection), testing & Commissioning of following capacity multistage sub-mersible water pump motor set manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard comprising of single stage 2900 RPM sub-mersible motor having Insulation: Class F & protection : IP68 (minimum) suitable for operation at three/ single phase 400/230V, 50Hz AC Supply with 18.29 meter (60') column pipe (API-5L, grade B) with flange gasket, non-return valve, pressure gauge, 40meter (131'-0") long required marine cable in a single length etc. complete in all respect manufactured by CE certified/ UL listed countries as per sample approved by Engineer in charge.	each	1.00		
95	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5mm to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification	m	335.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and direction of the E-I-C				
96	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	m	1.00		
97	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	m	6.00		
98	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	m	6.00		
99	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	each	1.00		
100	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.00		
101	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.00		
102	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	each	1.00		
103	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	hour	48.00		
104	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	each	1.00		
105	Locking Arrangement with 12 mm MS Bar fixing with hand	LS	1.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.				
106	Water quality testing of different parameter (As, Fe, Salinity, Iron) from a recognized lab. Payment will be	LS	1.00		
Sub Total: Part D. Submersible Pump Works =					
Part E. Tree Plantation Works					
107	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	each	20.000		
Sub Total: Part E. Tree Plantation Works					
Total (A+B+C+D+E)					

Financial Offer

Summary of LOT-3, Naikhongchari, Bandarban

SL No	Description Item of Works	Total Amount (TK)	Remarks
A	Baispari Govt. Primary school Cum Cyclone Shelter. Naikhongchari		
B	Sunaichari Govt. Primary school Cum Cyclone Shelter, Naikhongchari		
C	Thuyhla Aung para Govt. Primary school Cum Cyclone Shelter, Naikhongchari		
	Grand Total TK =		
In Word:			

(Lot-3: A)

Baispari Govt. Primary school Cum Cyclone Shelter. Union: Ghumdhum

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Baispari Govt. Primary school Cum Cyclone Shelter (3 A), Naikhongchari Union: Ghumdhum

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. Toilet ceiling, Inside-Outside wall.	Sqm	52.78		
2	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C. Play ground.	Sqm	743.10		
3	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C. Front stair, Toilet inside, Guide wall and ramp.	Cum	48.60		
4	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area. Flag stand, Toilet, Ramp.	Cum	48.72		
5	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag	Cum	48.72		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test. Flag stand, Toilet, Ramp.				
6	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). Toilet column base, TW and main road connecting.	Cum	7.74		
7	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge. Approach road.	Sqm	25.81		
8	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm2 at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) Flag stand, New Toilet, Front stair, Ramp.	Cum	1.39		
9	Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for	Cum	46.28		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	requisite period, etc. all complete as per direction of the E-I-C.				
10	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) Flag stand, Toilet, Inside and outside wall etc.	Sqm	10.04		
11	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C	Sqm	22.61		
12	Supplying, fitting and fixing Door frame with MS Angle (50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C	Meter	5.18		
13	Supplying and making Door Frames with seasoned wood of	Cum	0.77		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	required size in/c painting two coats of coal tar to the surface in contact with wall, fitted and fixed in position and mending good any damage (All sizes of wood are finished) for all floors etc. all complete as per direction of the E-I-C. 5.07.01.06 Mehagoni/Shishu wood				
14	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	5.57		
15	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles of size 300 mm x 600 mm with matching floor tiles, décor and border of foreign (China or Asia equivalent) made	Sqm	5.57		
16	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats . Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 coats	Sqm	60.22		
17	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with	Sqm	15.34		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.(Wall,Ceiling,Colum,Dado)				
18	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 3 Coat	Sqm	30.15		
19	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing,compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	Sqm	133.86		
20	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Sqm	152.38		
21	Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Meter	76.19		
22	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having	Sqm	22.31		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C				
23	Supplying fitting and fixing railing & rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal , ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge.				
	38mm dia. and wall thickness 2.5mm	Meter	18.00		
24	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.00		
25	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.00		
26	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.00		
27	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	6.00		
28	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.00		
29	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.00		
30	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.00		
Sub-Total: Part A. Civil Work =					

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part B: Sanitary Work					
31	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Oriental Pan (Model-320, size 540mmx 425mmx 270mm, Bowl size-390mmx 210mm x 190mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and with wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C.	Each	5.00		
32	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	5.00		
33	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. Plastic type (Size: 150mmx150mmx126mm)	Each	5.00		
34	Supplying 25mm to 200mm dia (inside) best quality uPVC pipeshaving specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	m	1		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	m	1		
	50 mm dia wall thickness 3.9 mm - 4.5	m	1		
35	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	2.00		
36	Supplying, fitting and fixing Towel Rail with holder fitted with	Each	2.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI-C.				
37	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous Wash Hand Cabinet Basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	5.00		
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
38	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1500 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Each	1,500.00		
39	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1500 watt-24V/48Vprotected from lighting induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.	Each	1.00		
40	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.				
41	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.00		
42	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	6.00		
43	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Each	1,500.00		
44	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
45	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	1.00		
46	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	Each	1.00		
47	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	5.00		
48	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	4.00		
49	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	6.00		
50	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	12.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
51	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer-in-charge..	Each	2.00		
52	Holder Repairing of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	6.00		
53	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C.	Each	16.00		
Sub Total: Part C. Electric Works =					
Part D. Tube Well Works					
54	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.00		
55	7.08.02 Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc.Under Ground piping from hill top water reserver. all complete as per direction of the E-I-C.	Meter	458.00		
56	Water quality testing of different parameter (As, FC, Salinity & Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equivalent)	LS	1.00		
57	Repairing of SSTW including Wash, cleaning, Hand pump No. 6 complete set (EPL/RFL) (Medium)/equivalent brand), 6" GI Nipple, Deep Base for Hand Pump,1.5" Coil Pipe-125.0m, PVC Cylinder socket, Platform all materials best quality all complete as per direction of E-I-C.	LS	1.00		
Sub Total: Part D. Tube Well Works =					

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part E. Tree Plantation Works					
58	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	100.00		
Sub Total: Part E. Tree Plantation Works					
Part F. Wash Block					
59	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L),formation ground level (FGL), highest flood level (HFL), plinth level (PL).Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating,establishing,protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	sqm	49.613		
60	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	cum	19.55		
61	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	cum	41.42		
62	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm	cum	5.97		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm2 at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)				
63	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, $f_{cr} = 24$ Mpa and satisfied a specified compressive strength $f_c = 17$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if	Sqm	3.32		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor				
64	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	467.62		
65	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	88.76		
66	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	cum	5.13		
67	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	sqm	69.10		
68	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner	sqm	219.51		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)				
69	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)	Each	4.00		
	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.18		
70	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	sqm	1.72		
71	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best	Sqm	65.23		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.				
72	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	sqm	49.55		
73	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	85.00		
74	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	sqm	11.16		
75	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	sqm	49.55		
76	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a	sqm	56.41		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat				
77	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	sqm	3.34		
78	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	sqm	0.81		
79	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)				
80	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.00		
81	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size- 390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	4.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
82	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	4.00		
83	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
	100 mm dia uPVC Y or T - Y Cleanout	Each	6.00		
84	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.00		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.00		
85	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	6.00		
86	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	4.00		
87	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as	each	4.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	per direction of the E-I-C. White (150mm x 110mm x 40mm size)				
88	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	4.00		
89	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	each	2.00		
	536 12mm dia plastic bib cock	each	13.00		
90	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	each	1.00		
91	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	4.00		
92	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per	Each	4.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	directions of the E-I-C.				
93	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge.	Each	6.00		
94	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	6.00		
95	Supplying, fitting and fixing axial flow AC capacitor type wall mounte exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	4.00		
					Sub-Total: Part F- Wash Block=
					Grand Total (A+B+C+D+E+F) =

(Lot-3: B)

Sunaichari Govt. Primary school Cum Cyclone Shelter. Union: Sunaichari

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Water Supply		
5	Part E. Tree Plantation Works		
	Grand Total TK =		
In Word:			

Sunaichari Govt. Primary school Cum Cyclone Shelter (Lot-3 B). Union: Sunaichari

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C. Old Toilet.	Cum	1.25		
2	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. Class room floor, Inside-Outside wall, Veranda, Column, Ceiling and different area.	Sqm	731.86		
3	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	8.00		
4	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	23.00		
5	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C.	Sqm	5.58		
6	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as	Cum	99.47		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.				
7	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.	Cum	10.59		
8	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	10.59		
9	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating Each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	11.85		
10	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	70.66		
11	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips	Cum	1.93		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.)				
12	Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 Hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	9.65		
13	Minimum 12mm thick Cement Plaster (1:6) to wall both inner and outer surface, finishing the corner and edges i/c washing of sand cleaning the surface,scaffolding and curing for the requisite period etc. all complete as per direction of the E/C. (Sand of minimum FM 1.2) Class room floor, Celing, Inside-Outside wall and different area.	Sqm	1,006.01		
14	All Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet / Stair room roof (Tin)	sqm	35.06		
15	1 Supplying and making Door Frames with seasoned wood of required size in/c painting two coats of coal tar to the surface in contact with wall, fitted and fixed in position and mending good any damage (All sizes of wood are finished) for all floors etc. all complete as per direction of the E-I-C. Garjan wood	Cum	1.01		
16	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle	Sqm	22.61		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in Each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C				
17	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	57.23		
18	Supplying, fitting and fixing Glazed Homoginuous Floor Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles of size 300 mm x 600 mm with mathcing floor tiles, décor and border of foreign (China or Asia equivalent) made	Sqm	11.14		
19	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special	Sqm	1,648.11		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 coats				
20	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for Each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 3 Coat	Sqm	28.91		
21	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	216.48		
22	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	130.11		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
23	BC(300mm): Earth work in Drainage on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	Sqm	70.64		
24	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	36.57		
25	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	70.64		
26	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	1.35		
27	Supplying fitting and fixing railing & rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, specification & the direction of the Engineer in charge. 38mm dia. and wall thickness 2.5mm	Meter	54.00		
28	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.00		
29	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.00		
30	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front	LS	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.				
31	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	6.00		
32	38mm thick Patent Stone floor (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	54.57		
33	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2.00		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					
34	Supplying, fitting and fixing Bangladesh pattern " BISF STANDARD " Long Oriental Pan (Model-320, size 540mmx 425mmx 270mm, Bowl size-390mmx 210mm x 190mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and with wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C.	Each	3.00		
35	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	4.00		
36	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round	Each	5.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout				
37	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
38	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	50		
39	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	120.00		
40	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	40.00		
41	Supplying 12 mm dia	Meter	35.00		
42	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	4.00		
43	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	4.00		
44	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	4.00		
45	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous Wash Hand Cabinet Basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	4.00		
Sub Total: Part B. Sanitary work =					

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part C. Electric Works					
46	Solar Panel Supply, fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall be in conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder. Necessary Catalogue, Operation & maintenance manual will be supplied by the contractor. Cell/Panel Brand VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Each	2,000.00		
47	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 2000 watt-24V/48V protected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.	Each	1.00		
48	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage, 12V, 130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate, negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery. Battery, 12V, 130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	8.00		
49	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Necessary catalogue, operation & maintenance manual will be supplied by	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.				
50	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.00		
51	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron. Per Wp	Each	2,000.00		
52	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Each	2,000.00		
53	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	1.00		
54	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
55	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	5.00		
56	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	4.00		
57	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	6.00		
58	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	16.00		
59	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	2.00		
60	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification	Each	30.00		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	& direction of the Engineerin-charge..				
61	Holder Repairing of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	20.00		
62	Ceiling fan Supplying, fitting and fixing 250V capacitor type 1.422m sweep (best quality) ceiling fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C.Brand:BRB/Energypac or equivalent approved by Engineer in charge.	Each	16.00		
63	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM 1HP SUBMERSIBLE WATER PUMP MOTOR SET (Pedrolo) monobloc type manufactured according to Pedrolo & ISO 9001 standard of following capacity suitable for operation at single phase, 230V/400V ± 5% 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer. 2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")	1	1.000		
64	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C.	Each	25.00		
65	Channel Wiring: Surface Channel Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and heathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01 mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages: Manufacturer of cable Eastern/BRB/Paradise/Poly	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge. Light point/Exhaust / Wall bracket fan point				
Sub Total: Part C. Electric Works =					
Part D. Water supply Works					
66	Mobilization of materials, equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.00		
67	Change Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.00		
68	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.00		
69	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.00		
70	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) blank pipe.	Meter	10.00		
71	38mm dia water graded PVC Strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	2.00		
72	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.00		
73	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	2.00		
74	Supplying, fitting and fixing plastic overhead Water Tank of 2000 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-	LS	1		

SI. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	C.				
75	Repairing of Ring well including Wash, cleaning, Hand pump No. 6 complete set (EPL/RFL) (Medium)/equivalent brand), 6" GI Nipple, Deep Base for Hand Pump, 1.5" PVC Pipe-25.0m, 12 mm MS rod with deepset, PVC Cylinder socket, Platform all materials best quality all complete as per direction of E-I-C.	LS	1.00		
Sub Total: Part D. Tube Well Works =					
Part E. Tree Plantation Works					
76	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	50.00		
Sub Total: Part E. Tree Plantation Works					
Total (A+B+C+D+E)					

(Lot-3: C)

Thughla Aung para Govt. Primary school Cum Cyclone Shelter. Union: Baishari

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Thughla Aung para Govt. Primary school Cum Cyclone Shelter. (Lot-3 C) Union: Baishari

Sl. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
Part A. Civil Work					
1	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. Class room floor, Office room floor, Stair case room, Ramp, Celing, Inside- outside wall etc.	Sqm	461.71		
2	38mm thick patent stone floor (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	59.42		
3	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips/picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc. all complete as per drawing, specification and direction of the E-I-C	Sqm	213.46		
4	Minimum 12mm thick cement plaster (1:6) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to wall both inner and outer surface, finishing the corner and edges in/c washing of sand cleaning the surface, scaffolding and curing for the requisite period etc. all complete as per direction of the E-I-C. Class room , office room. Beam, Column, Inside - outside wall , stair case etc.	Sqm	34.34		
5	Minimum 12mm thick cement plaster (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to dado, plinth wall up to 150mm below ground level, water tank or any where directed with neat cement finishing	Sqm	212.380		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	in/c washing of sand, racking out joint and picking up cement mortar i/c finishing the edges and corners and curing for the requisite period etc. all complete as per direction of the E-I-C.				
6	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.	Cum	140.61		
7	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	140.61		
8	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	Sqm	158.60		
9	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	10.381		
10	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc.	Cum	2.522		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.)				
11	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	57.620		
12	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	104.000		
13	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	141.210		
14	Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	137.85		
15	Supplying, fitting and fixing stainless steel (SS) stair railing of standard height with 1mm thick 50mm diameter stainless steel (SS) pipe for hand-rail fitted on railing top and vertical post used both end of flight, 1mm thick 40mm diameter stainless steel (SS) pipe used 2 nos as middle post (in between 50mm diameter stainless steel vertical pipes at end) of every flight vertically fitted in floor or trade with end cap and stainless steel (SS) screw and 1mm thick 25mm diameter stainless steel (SS) pipe for 5 nos in every flight placed parallel to 1mm thick 50mm diameter stainless	Meter	9.50		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	steel (SS) rail pipe in each flight as per drawing for all floor and etc. including cost of all materials and labour all complete as per design and direction of the E-I-C.				
16	Providing verandah railing type gate Supplying, fitting and fixing verandah railing type gate Top, middle & Bottom 50mm dia GI pipe of minimum wall thickness 2.90mm and 20mm dia GI pipe series of minimum wall thickness 2.1mm-2.2mm provided parallel to railing gate as per similar/matching to existing verandah railing. Railing type gate (Main gate 4 folding pannel) fixed with wall clamp. All complete as per design and direction of the E-I-C.	Sqm	8.00		
17	Supply, Fitting & Fixing of 1.5mm thick Plain Fiber glass sheet of different sizes with putty all complete as per direction of the E-I-C.	Sqm	4.20		
18	10 Supplying fitting fixing best quality Two handle, two hasbolts (4 sets) & 1 pannel repairing according to existing door, all cost of materials & labours complete as per direction of E-I-C				
	Two handles, two hasbolts (sets)	Each	7.00		
	Door Pannel not open properly	Sqm	5.00		
19	Supplying fitting fixing Window shutter & frame repairing fitting and fixing according to existing window, all cost of materials & labours complete as per direction of EIC	Each	7.00		
20	Screw, Catch hooks,Handle etc.Complete as per direction of E-I-C	Kg	8.00		
21	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	1,134.483		
22	On exterior surface applying as per manufacturer instruction specific coat of weather coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of	Sqm	585.68		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	previous coat by brush/ roller/ spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 5.16.09.02 : 2 coat				
23	Painting to door and window frames and shutters in two coats with synthetic enamel paint of best quality and approved colour. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/ roller/ spray/ in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	147.54		
24	Painting to dado , skirting, out side plinth wall from 6" below GL to plinth level with one coat of synthetic enamel paint of prior pproved colour and brand. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/ roller/ spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	104.72		
25	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mmx900mmx20mm) engrave writing as per direction of the E/C.	Each	1.00		
26	Sign Board Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.00		
27	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.00		
28	School Name Writing Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet and Male, Female ,diasable ,pragnent & lactating mother in the room i/c painting the letters with approved quality of paint etc. all complete in all floors as per	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	direction of the E-I-C.				
29	Site Cleaning & 1 Toilet cleaning Cleaning by removal and disposal at a safe distance of everything above ground level which shall includes trees, stumps, logs, bush.undergrouth grass, crops, loose, vegetable, structures, etc. all complete as per direction of the E -I -C.	Each	1.00		
30	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	2		
31	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as per directions of the E-I-C.	Set	1.000		
32	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels . (One red & one green)	Each	2		
33	Flag Stand Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness .75mm), ornamentalr any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, rawing,spacification & the direction of the Engineer in charge.	Meter	18		
34	Dust bin cover Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	sqm	1.44		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					
35	Supplying, fitting and fixing plastic overhead Water Tank of below mentioned litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with				

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.				
	500 L water tank	Each	2.00		
	2500 L water tank	Each	1.00		
36	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. Plastic type (Size: 150mmx150mmx126mm)	Each	3.00		
37	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	3.00		
38	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	10.00		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	150.00		
	40 mm dia wall thickness 3.7 mm - 4.3 mm	Meter	50.00		
39	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.00		
40	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	3.00		
41	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per	Each	4.00		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)				
42	Supplying, fitting and fixing "BISF STANDARD" glazed vitreous Wash Hand Cabinet Basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	3.00		
43	Supplying, fitting and fixing best quality and heavy type bib cock , and Two in one Bib cock of brass or cromium plated or special quality plastic materials made with leak proof and fixing in position with selected tape etc. all complete as per direction of the E-I-C. 12mm dia C.P. Bib Cock	Each	3.00		
44	Supplying, fitting and fixing best quality and heavy type 25m long 125mm dia RFL/Aziz uPVC pipe for 2 nos toilet inspection pit to septic tank connection replacing existing pipe & pipe cover with 450mm x 450mm CC concrete (1:2:4) all complete as per direction of the E-I-C. 25m long	LS	1.00		
45	Supplying, fitting and fixing best quality 40 mm dia Brass gate valve, leak proof, fitted with sealant, Teflon tape etc. all complete in all respects as per direction of the E-I-C.		2.00		
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
46	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be	Watt Power	1,500.00		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs				
47	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1500 watt-24V/48Vprotected from lighting induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs. 1500 Watt 24V/48V	Each	1.00		
48	Solar Battery with casing :Supply, installation (with effective connection), testing &commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afroz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	6.00		
49	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.00		
50	Earthing for Solar system :Supply & installation (with effective	Each	1.00		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building, Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge. Solar Charger:24/48v, 45A				
51	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1,500.00		
52	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1,500.00		
53	Submersible pump: Supplying, assembling, fitting, fixing, installation (with effective connection), testing & Commissioning of following capacity multistage sub-mersible water pump motor set manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard comprising of single stage 2900 RPM sub-mersible motor having Insulation: Class F & protection : IP68 (minimum) suitable for operation at three/ single phase 400/230V, 50Hz AC Supply with 18.29 meter (60') column pipe (API-5L, grade B) with flange gasket, non-return valve, pressure gauge, 40meter (131'-0") long required marine cable in a single length etc. complete in all respect manufactured by CE certified/ UL listed countries as per sample approved by Engineer in charge. 1.00 H.P Centrifugal Pump Motor Set Discharge: 10-90 liter/min, Head: 34-25 meter. Suction & delivery : 25 mm x 25 mm (1" x 1")	Each	1.00		
54	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Set	15.00		
55	Saucer Light :	Set	7.00		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	Supplying, assembling, fitting, fixing & installation (with effective connection) the special type single lamp lock type saucer light fitting of following manufacturers consisting of golden/anodized brass carrier of minimum 250mm dia designed glass of min. height 100mm suitable for carrier, brass holder, earth terminal, necessary wiring with 2x0.4sq.mm stranded PVC insulated flexible FR cable, compatible for 23/26 W CFI etc. complete (except lamp) of the following model & as per sample approved by the Engineer-in-charge Asha cat No. ACSP-2816 or Anyasha cat No.ACCMS-71 or Crescent cat No. CPC-29-CP-29 or Gloria cat No. GCF-689 Ring or Shwash cat No. SCCF-12/28 or equivalent approved by the Engineer-in-charge.				
56	Supplying, fitting and fixing 250V capacitor type ceiling fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge	Each	14.00		
57	Channel Wiring: Surface Channel Light point/ Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	22.00		
58	Channel Wiring: Surface Channel Ceiling fan point / Exhaust / Wall bracket fan point Wiring for the following Points Looping at	Each	14.00		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	the Switch board with earth terminal ing Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mendi ng the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
Sub Total: Part C. Electric Works =					
Part D. Tube Well Works					
59	600 mm (2') Raising of Tube well & platform including dismantle existing old platorm & construction standard size new platform with drainage system & soak well install (Ring-7 nos-36" outer dia, 1.5' height, wall thickness 1.5"), Ring Cover-1 nos, inside filling with brickbats(1') & sand (1'), connecting best quality 100mm dia pipe, seat valbe, bucket nut bolt etc & including water pump fixing option, drainage all materials best quality all complete as per direction of E-I-C.	LS	1.00		
60	Water quality testing of different parameter (As, FC, Salinity & Iron) from an Authorized Lab (i.e DPHE / LGED / CUET or Equavalent)	LS	1.00		
Sub Total: Part D. Tube Well Works =					
Part E. Tree Plantation Works					
61	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencining (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	50.00		
Sub Total: Part E. Tree Plantation Works					
Part F. Wash Block					
62	Providing Layout and carry over Bench Mark (BM) at site from	Sqm	11.364		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	nearby BM pillar, demarcating property lines, existing ground level L),formation ground level (FGL), highest flood level (HFL), plinth level (PL).Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating,establishing,protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.				
63	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	7.138		
64	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	7.255		
65	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	Cum	1.396		
66	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio	Sqm	1.087		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	<p>(tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, $f_{cr} = 24$ Mpa and satisfied a specified compressive strength $f'_c = 17$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor</p>				
67	<p>Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, f_y (ReH) = 400 MPa, but the tested yield strength shall not exceed f_y by more than the 125 MPa and the ratio of tested ultimate strength, f_u (Re) to tested yield strength (f_y) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and</p>	Kg	233.811		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	2.5% respectively.				
68	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	43.357		
69	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Cum	2.507		
70	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	33.772		
71	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	114.162		
72	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)				
73	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		
74	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
75	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	38.096		
76	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white	Sqm	14.430		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.				
77	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.000		
78	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	Sqm	5.578		
79	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	12.403		
80	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	29.280		
81	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors	Sqm	3.343		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
82	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.540		
83	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size- 390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	2.000		
84	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)				
85	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45 , wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C.				
86	100 mm dia uPVC Y or T - Y Cleanout	Each	2.000		
87	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
88	Supplying, fitting and fixing best quality 40 mm dia Brass gate valve, leak proof, fitted with sealant, Teflon tape etc. all complete in all respects as per direction of the E-I-C.	Each	2.000		
89	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	4.000		
90	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
91	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)				
92	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	4.000		
93	12mm dia Brass Bib Cock	Each	10.000		
94	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
95	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	2		
96	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	2		
97	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board	Each	4		

SI. #	Description	Unit	Quantity	Unit Price (Tk.)	Total Price (TK.)
	75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge.				
98	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	4		
99	Supplying, fitting and fixing axial flow AC capacitor type wall mounte exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	4		
				Sub Total F (Wash Block) =	
				GRAND Total (A+B+C+D+E+F)	

Financial Offer

Summary of LOT-4, Lama, Bandarban

SL No	Description Item of Works	Total Amount (TK)	Remarks
A	Sabek Billchori Govt. Primary school Cum Cyclone Shelter, Lama		
B	Koilgabil Govt. Primary School Cum Cyclone Shelter, Lama		
C	Yangchamuk Headman Govt. Primary School Cum Cyclone Shelter, Lama		
D	Shipahi Habibur Rahman Govt. Primary School Cum Cyclone Shelter, Lama		
	Grand Total TK =		
In Word:			

(Lot-4: A)

Sabek Billchori Govt. Primary school Cum Cyclone Shelter. Union: Shagolkhya

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Electric Works		
3	Part C. Tube Well Works		
4	Part D. Tree Plantation Works		
5	Part E. WASH Block		
	Grand Total TK =		
In Word:			

Sabek Billchori Govt. Primary school Cum Cyclone Shelter (Lot 4 A) Union: Shagolkhya

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurment for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	7.686		
2	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out jonts clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	151.285		
3	Taking off CI sheet or fiber glass roofing of building without anydamages of structure by any means, including selecting, storing andstacking properly in measurable stacks after carrying those to a safedistance or preselected place, etc. all complete as per direction of theE-I-C. (Rafter, Purline, Truss, Bamboo Met, etc)	Sqm	107.092		
4	Taking off old Door (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C. Door	Each	3.000		
5	Taking off old Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C. Windows	Each	8.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
6	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C.	Sqm	109.885		
7	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	22.117		
8	Site improvement / Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Municipal area. (At Play ground, Toilet, Flag Stand, etc)	Cum	88.004		
9	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	88.004		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
10	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	11.216		
11	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	89.029		
12	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	62.000		
13	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	19.600		
14	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.)	Cum	6.942		
15	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with	Sqm	11.855		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.				
16	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Cum	15.140		
17	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (At Wall, Floor, Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Sqm	223.756		
18	Supplying pre-cast RCC Pipes of different dia manufactured with 12mm down graded dust free stone chips (Suggested mix ratio 1:1.5:3 & f'c= 25 MPa), curing, laying in position, from finished type by steel form works as per the design specifications all complete as per direction of the Engineer-in Charge. 300mm internal dia, 50mm thick	Meter	7.300		
19	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C.	Sqm	111.545		
20	Supplying, fitting and fixing Door frame with MS angle	Meter	19.200		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C				
21	Supplying and making well matured natural seasoned solid wood works in frames of roof truss of required length and size with wall plates as per design in/c supplying, fabricating, hoisting, scaffolding, fitting and fixing in position with bolts and nuts for all floors etc. all complete as per direction of the E-I-C. (All sizes of wood are finished). Purline size (1.5"X3"), Ruffer size 2.5"x3"), Beam size 3.5"x4",Garjan wodd	Cum	1.000		
22	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood	Sqm	3.699		
23	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly	Sqm	10.584		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C				
24	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	401.812		
25	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	280.996		
26	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and	Sqm	89.198		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the EI-C.				
27	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	1.389		
28	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, specification & the direction of the Engineer in charge.	Meter	18.000		
29	Supplying, fitting and fixing of False Ceiling (600mmx600mm or 600mmx 1200mm grid/ section divided as per prior approval with cross Tee) with 8 mm thick melamine board laminated by mechanical hot press with a milk white PVC membrane with aluminum frame suspended from ceiling, beam etc. by double ply 12 SWG GI twisted wire maintaining straight lines and desired finished level at bottom face in/c cutting holes in slabs or beams by electric drill machine and mending good the damages, if any, during execution of the work, installation, scaffolding, screws, nails etc. i/c cost of aluminum frame, royal plug, etc. all complete as per drawing, design and direction of EI-C.	Sqm	64.102		
30	RCC(P+SP)-PW: Palisading work with Single pre-cast RCC (1:1.5:3) plate (1050mm X 600mm X 75mm) fitted with RCC (1:1.5:3) post of 150mm x 150mm, 2m long, 0.9m center to center to be driven 2/3rd of the total length (2m) of the post made of 20mm down graded brick chips. Pre-cast plate to be fitted with RCC post fixed necessary nuts and bolts at driving of post supplying all necessary nuts and bolts etc. all	Meter	26.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	complete in all respect as per approved drawing enumerated in Appendix-6, specification and direction of the Engineer-in-charge. Measurement will be made on center to center distance of the post.				
31	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
32	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
33	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
34	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
35	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	5.000		
36	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
37	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.000		
38	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.000		
Sub Total: Part A. Civil work=					
Part B. Electric Works					
39	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in	Watt Power	1000.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	charge. Solar PV Module/panel shall be in conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48V BOSCH / Qcell / Solarworld / Sunway / Suntech; Origin : USA/EU Warranty : At least 20 yrs				
40	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48V protected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netherlands) Origin : USA/EU Warranty : At least 03 yrs. 1000 Watt 24V/48V	Each	1.000		
41	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage, 12V, 130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate, negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery. Battery, 12V, 130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afroz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
42	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs. Solar Charger:24/48v, 45A				
43	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
44	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1000.000		
45	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1000.000		
46	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	LS	1.000		
47	Holder Repairing of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	15.000		
48	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
49	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	10.000		
50	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.000		
51	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.000		
52	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	5.000		
53	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type	Each	30.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer in-charge..				
54	Ceiling fan Supplying, fitting and fixing 250V capacitor type 1.422m sweep (best quality) ceiling fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C.Brand:BRB/Energypac or equivalent approved by Engineer in charge.	Each	10.000		
55	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	20.000		
56	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard of following capacity suitable for operation at single phase, 230V/400V \pm 5% 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer.2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")	Each	1.000		
Sub Total: Part B. Electrical Cost =					
Part C. Tube-Well					
57	Mobilization of materials, equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.000		
58	Boring by using 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata	Meter	210.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.				
59	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5mm to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C	Meter	200.000		
60	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.000		
61	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.000		
62	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.000		
63	38mm dia water graded PVC Strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.000		
64	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.000		
65	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.000		
66	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.000		
67	Construction of platform of size 1.4mx1.0m as per drawing	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.				
68	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.000		
69	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
70	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.000		
71	Water quality testing of different parameter (As, FC, Salinity, Iron) from a recognized lab. Payment will disburse on actual cost verified by Authorized Lab. (i.e DPHE / LGED / CUET or Equavalent)	LS	1.000		
Sub Total: Part C. Tube-Well Cost =					
Part D. Tree Plantation and Fencing					
72	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will be made on actual number of trees at the time of handover).	Each	50.000		
Sub Total: Part D. Tree Plantation and Fencing =					
Part E: Wash Block					
73	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level (EGL), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars,	sqm	49.6125		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	markers, pegs etc. showing and maintaining reduced levels (RLs) including locating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.				
74	Earthwork in excavation of foundation trenches, including layout, byexcavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	cum	19.55		
75	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	cum	41.4765		
76	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	cum	5.974		
77	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, f _{cr} = 24 Mpa and	Sqm	3.222		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	<p>satisfied a specified compressive strength $f_c = 17$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing chemical admixture of complying type A under ASTM C 494 to reduce mixing water required for normal workability and to maintain low water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor</p>				
78	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with	Kg	467.622		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.				
79	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	88.757		
80	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	cum	5.132		
81	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	sqm	69.095		
82	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (At Wall, Floor, Flag Stand, Ramp, Stair, Guide Wall and Different Place)	sqm	215.100		
83	Supplying fitting, fixing of UPVC hollow or solid plastic door	Each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 990mmx2130mm uPVC plastic shutter (solid)				
84	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		
85	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
86	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the	Sqm	60.821		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.				
87	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	sqm	49.545		
88	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	85.000		
89	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	sqm	11.155		
90	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	sqm	49.545		
91	On exterior surface applying as per manufacturer instruction	sqm	56.413		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat				
92	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)	sqm	3.343		
93	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	sqm	0.810		
94	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)				
95	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
96	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-(390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I.	Each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]				
97	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	4.000		
98	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	10.000		
	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
99	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
100	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
101	Supplying 25mm to 200mm dia (inside) best quality uPVC pipeshaving specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C.	m	26.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Minimum inner dia 100mm and minimum wall thickness 3.4mm				
102	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	4.000		
103	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	each	4.000		
104	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	m	4.000		
105	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	each	2.000		
106	12mm dia plastic Bib cock	each	13.000		
107	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	each	1.000		
108	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling	Each	4		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer-in-charge. (At Building- 1 & 2)				
109	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	4		
110	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge. (At Building- 1 & 2)	Each	6		
111	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	6		
112	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	6		
				Sub Total: Part E. Wash Block =	
				Total- (A+B+C+D+E)	

(Lot-4: B)

Koilgabil Govt. Primary School Cum Cyclone Shelter. Union: Shagolkhya

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary		
3	Part C. Elec. Works		
4	Part D. Tube Well works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Koilgabil Govt. Primary School Cum Cyclone Shelter. Union: Shagolkhya (Lot-4 B)

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	3.092		
2	Dismantling of existing / damaged brick work in sub-structure or superstructure works of any type manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	0.937		
3	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	175.401		
4	Taking off CI sheet or fiber glass roofing of building without anydamages of structure by any means, including selecting, storing andstacking properly in measurable stacks after carrying those to a safedistance or preselected place, etc. all complete as per direction of theE-I-C.	Sqm	107.092		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(Rafters, Purlins, Trusses, Bamboo Mats, etc) (At Building Roof and Varandha Roof Old Building)				
5	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	4.000		
6	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	15.000		
7	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C.	Sqm	20.000		
8	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	5.986		
9	BC(300mm): Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc.	Sqm	27.420		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	all complete as per direction of the E-I-C.				
10	Site improvement / Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Municipal Area.	Cum	52.107		
11	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	52.107		
12	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	36.472		
13	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	83.208		
14	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	30.000		
15	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked	Sqm	27.390		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. (Approach Road)				
16	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.)	Cum	5.314		
17	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	7.954		
18	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	7.108		
19	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges	Sqm	246.506		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)				
20	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C.	Sqm	111.545		
21	Supplying, fitting and fixing Door frame with MS angle (50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C	Meter	25.600		
22	Supplying and making well matured natural seasoned solid wood works in frames of roof truss of required length and size with wall plates as per design in/c supplying, fabricating, hoisting, scaffolding, fitting and fixing in position with bolts and nuts for all floors etc. all complete as per direction of the E-I-C. (All sizes of wood are finished). Purline size (1.5"x3"), Rafter size 2.5"x3"), Beam size 3.5"x4", Garjan wodd	Cum	1.000		
23	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos.	Sqm	6.987		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood				
24	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C	Sqm	16.506		
25	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	Sqm	5.452		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
26	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 3 Coat	Sqm	425.327		
27	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	255.090		
28	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	111.376		
29	Supplying, fitting and fixing of False ceiling (600mmx600mm or 600mmx 1200mm grid/ section divided as per perior approval with cross Tee) with 8 mm thick melamine board laminated by mechanical hot press with a milk white PVC membrane with aluminum frame suspended	Sqm	64.185		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	from ceiling, beam etc. by double ply 12 SWG GI twisted wire maintaining straight lines and desired finished level at bottom face in/c cutting holes in slabs or beams by electric drill machine and mending good the damages, if any, during execution of the work, installation, scaffolding, screws, nails etc. i/c cost of aluminum frame, royal plug, etc. all complete as per drawing, design and direction of E-I-C.				
30	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	1.389		
31	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, specification & the direction of the Engineer in charge.	Meter	27.440		
32	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
33	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
34	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
35	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
36	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj	Each	7.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
)				
37	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
38	38mm thick Patent Stone floor (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Building- 2 Foof Slab)	Sqm	123.685		
39	Disposal/Dumping of sewage waste water to proper place. Cleaning, washing with minor repair works.of existing Saptic Tank and Sock well. as per sample accepted/approved by the Engineer.	L/S	1.000		
40	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.000		
41	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.000		
Sub Total: Part A. Civil work=					
Part B. Sanitary Work					
42	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
43	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout				
44	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	10.000		
45	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	10.000		
46	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Each	30.000		
47	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
48	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)				
49	12mm dia plastic Bib cock	each	4.000		
50	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	2.000		
Sub Total: Part B. Sanitary Work=					
Part C. Electric Works					
51	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	1000.000		
52	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 2000 watt-24V/48Vprotected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side.The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs.	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	1000 Watt 24V/48V				
53	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage, 12V, 130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate, negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery. Battery, 12V, 130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
54	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Necessary catalogue, operation & maintenance manual will be supplied by the bidder. All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs. Solar Charger:24/48v, 45A	Each	1.000		
55	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building, Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
56	Solar Frame structure With 3mm X 38mm angle with spacing @ 12" of galvanized iron.	Watt Power	1000.000		
57	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4mm, 10 mm & 16 mm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1000.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
58	Taking out old wiring including batten and stacking to a preselected place as per directions of the E-I-C.	Ls	1.000		
59	Holder Repairing of fluorescent tube light and supplying necessary accessories as per directions of the E-I-C. (Eastern or prior approved quality)	Each	5.000		
60	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	10.000		
61	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	10.000		
62	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
63	Supplying, fitting and fixing 20mm thick Switch Board (350mmx450mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	5.000		
64	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	5.000		
65	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge..	Each	20.000		
66	Ceiling fan Supplying, fitting and fixing 250V capacitor type 1.422m sweep (best quality) ceiling fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C.Brand:BRB/Energypac or equivalent approved by Engineer in charge.	Each	10.000		
67	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	15.000		
68	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard of following capacity suitable for operation at single phase, 230V/400V ± 5% 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer.2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")				
Sub Total: Part C. Electrical Cost =					
Part D. Tube-Well					
69	Mobilization of materials, equipment, tools and plants, boring rig at the work site, assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.000		
70	Boring by using 100mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	210.000		
71	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5m to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C	Meter	200.000		
72	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
73	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.000		
74	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.000		
75	38mm dia water graded PVC Strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.000		
76	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.000		
77	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.000		
78	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1.000		
79	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-I-C.	Each	1.000		
80	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.000		
81	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
82	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
83	Water quality testing of different parameter (As, FC, Salinity, Iron) from a recognized lab. Payment will disburse on actual cost verified by Authorized Lab. (i.e DPHE / LGED / CUET or Equivalent)	LS	1.000		
Sub Total: Part D. Tube-Well Cost =					
Part E. Tree Plantation and Fencing					
84	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	50.000		
Sub Total: Part E. Tree Plantation and Fencing =					
Part F. Wash Block					
85	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L, formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	Sqm	11.364		
86	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	7.138		
87	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling,	Cum	7.255		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).				
88	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	Cum	1.396		
89	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, f _{cr} = 24 Mpa and satisfied a specified compressive strength f _c = 17 Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28	Sqm	1.087		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note: Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor				
90	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	233.811		
91	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	43.357		
92	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Cum	2.507		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
93	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer in- charge.	Sqm	33.772		
94	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	114.162		
95	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m ² with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)	Each	2.000		
96	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint	Meter	5.180		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.				
97	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
98	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	33.688		
99	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	Sqm	14.430		
100	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.000		
101	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws,	Sqm	5.578		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C				
102	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	12.403		
103	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	29.280		
104	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm	Sqm	3.343		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
105	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.540		
106	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)	Each	1.000		
107	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)				
108	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-(390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	2.000		
109	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
110	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout				
	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
111	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
112	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
113	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	4.000		
114	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
115	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	2.000		
116	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	2.000		
117	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.				
118	12mm dia plastic Bib cock	Each	10.000		
119	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
120	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	2		
121	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge.(At Building- 1 & 2)	Each	4		
122	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	4		
123	Supplying, fitting and fixing axial flow AC capacitor type wall mounted Exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	4		
				Sub Total F: (Wash Block) =	
				Total- (A+B+C+D+E+F)	

(Lot-4: C)

Yangchamuk Headman Govt. Primary School Cum Cyclone Shelter. Union: Faishakhali

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary		
3	Part C. Tree Plantation and Fencing		
4	Part D. WASH Block		
	Grand Total TK =		
In Word:			

Yangchamuk Headman Govt. Primary School Cum Cyclone Shelter (Lot-4 C) Union: Faishakhali

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	4.026		
2	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	223.342		
3	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	1.000		
4	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	8.000		
5	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C.	Sqm	25.000		
6	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets,	Cum	2.109		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.				
7	BC(300mm): Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	Sqm	18.290		
8	Site improvement / Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.	Cum	94.788		
9	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	94.788		
10	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	1.754		
11	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect	Sqm	24.048		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	as per approved drawing, specification and direction of the Engineer-in-charge.				
12	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	20.000		
13	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	18.290		
14	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.)	Cum	0.778		
15	RCC:1:2:4, 20MPa, Stone Chips (SC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.40 having minimum required average strength, $f_{cr} = 26$ Mpa and satisfying a specified compressive strength $f_c = 20$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N, best quality sand of minimum FM 2.2, 20mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop and Water reducing chemical admixture of complying type A under ASTM C 494,	Cum	0.878		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	in/c cost of breaking chips, screening through proper sieves, cleaning and washing thoroughly, centering, shuttering in position, with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels suitably braced and Standard size Bamboo Props making shuttering fully leak proof, placing of reinforcement cage in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 75mm to 100mm casting in steel forms, compacting by Mechanical vibrators and tapered rods and curing at least for 28 days, removing centeringshuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. additional quantity of Plasticizer i.e. Water reducing chemical admixture of complying type A under ASTM C 494 to reduce mixing water required for normal workability and to maintain low water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. In individual and continuous footing of column, raft and floor slab at plinth level.				
16	RCC:1:2:4, 20MPa, Stone Chips (SC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.40 having minimum required average strength, $f_{cr} = 26$ Mpa and satisfying a specified compressive strength $f_c = 20$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N, best quality sand of minimum FM 2.2, 20mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop and Water reducing chemical admixture of complying type A under ASTM C 494, in/c cost of breaking chips, screening through proper sieves, cleaning and washing thoroughly, centering, shuttering in position, with plain	Cum	1.287		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	16 BWG steel sheet fitted over 38mm thick wooden plank panels suitably braced and Standard size Bamboo Props making shuttering fully leak proof, placing of reinforcement cage in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 75mm to 100mm casting in steel forms, compacting by Mechanical vibrators and tapered rods and curing at least for 28 days, removing centeringshuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. additional quantity of Plasticizer i.e. Water reducing chemical admixture of complying type A under ASTM C 494 to reduce mixing water required for normal workability and to maintain low water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. In individual and continuous footing of column, raft and floor slab at plinth level.				
17	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	13.044		
18	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Cum	5.218		
19	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing	Sqm	297.538		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)				
20	Supplying, fitting and fixing Door frame with MS angle (50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C	Meter	6.400		
21	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid Wooden Door Shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Garjan Wood	Sqm	1.233		
22	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.)	Sqm	10.584		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C				
23	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	366.952		
24	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	179.017		
25	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	69.558		
26	Supplying & Dumping of Sand filled GEO-Textile Bags of different size and capacity (fill volumn and weight when filled with dry sand/earth) at the specified locations along the khal bank/embankment toe line properly including supply of geo-textile	Per Bag	150.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	fabric as per following rading,sewing in ccordance with the detailed drawing and technical pecifications, protecting the geo-textile bags from UV ray or any other damages, filling with suitable soil/ sand and stitching bags by hand sewing machine properly with plastic thread and dumping the same in position etc. including cost of all materials, labours, taxes,incidental charges etc. complete in all respect as per approved drawing, pecification and direction of E-I-CGEO textile Total sft 390 and per bag 3.75 sft so total bag req 104 nos. (At School Background , Beside Guide Wall)				
27	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	2.779		
28	Supplying Fitting and Fixing Railing & Rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness 2.5mm), ornamental Bridge or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge.	Meter	18.000		
29	Door/window hinge (Brass-100mm) setting with long towerbolt (Brass - 305mm) setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge	Kg	1.000		
30	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
31	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
32	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
33	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
34	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	4.000		
35	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
36	38mm thick Patent Stone floor (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Building- 1 & 2 Foof Slab)	Sqm	146.536		
37	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.000		
38	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.000		
Sub Total: Part A. Civil work=					
Part B. Sanitary Work					
39	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
40	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
41	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	10.000		
42	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	10.000		
43	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Each	30.000		
44	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
45	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	2.000		
46	12mm dia plastic Bib cock	each	4.000		
47	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	2.000		
Sub Total: Part B. Sanitary Work=					

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part C. Tree Plantation and Fencing					
48	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will be made on actual number of trees at the time of handover).	Each	50.000		
Sub Total: Part C. Tree Plantation and Fencing =					
Part D. Wash Block					
49	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level (L), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	Sqm	11.364		
50	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	7.138		
51	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	7.255		
52	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and	Cum	1.396		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)				
53	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, f _{cr} = 24 Mpa and satisfied a specified compressive strength f _c = 17 Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th	Sqm	1.087		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Floor				
54	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	233.811		
55	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	43.357		
56	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Cum	2.507		
57	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer in- charge.	Sqm	33.772		
58	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	114.162		
59	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)				
60	Supplying, fitting and fixing door frame with MS angle (38mmx38mmx6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		
61	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
62	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	33.688		
63	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2)	Sqm	14.430		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.				
64	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.000		
65	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	Sqm	10.031		
66	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	12.403		
67	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	29.280		
68	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each	Sqm	3.343		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
69	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.540		
70	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
71	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
72	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-(390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown with master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	2.000		
73	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
74	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
75	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
76	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
77	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	4.000		
78	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
79	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	2.000		
80	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	2.000		
81	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	1.000		
82	12mm dia plastic Bib cock	Each	10.000		
83	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.				
84	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer-in-charge. (At Building- 1 & 2)	Each	2		
85	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	2		
86	Gang sitch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge. (At Building- 1 & 2)	Each	4		
87	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	4		
88	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c	Each	4		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)				
Sub Total D: (Wash Block) =					
Total- (A+B+C+D)					

(Lot-4: D)

Shipahi Habibur Rahman Govt. Primary School Cum Cyclone Shelter. (Union: Aziznagor)

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tree Plantation Works		
	Grand Total TK =		
In Word:			

Shipahi Habibur Rahman Govt. Primary School Cum Cyclone Shelter (Lot-4 D) Union: Aziznagor

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	7.044		
2	Dismantling of existing / damaged brick work in sub-structure or superstructure works of any type manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	6.427		
3	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	250.695		
4	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete	Each	4.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	as per direction of the E-I-C.				
5	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C.	Each	5.000		
6	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C.	Sqm	22.860		
7	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	8.358		
8	BC(300mm): Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C.	Sqm	42.665		
9	Site improvement/ Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C.	Cum	1.882		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.				
10	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	1.882		
11	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	7.369		
12	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	48.423		
13	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	Meter	70.000		
14	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	42.665		
15	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick	Cum	5.038		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.)				
16	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	15.589		
17	Brick work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) in exterior walls with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) with uniform width and depth joints, true to vertical and horizontal lines, in/c filling the interstices tightly with mortar, racking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, necessary scaffolding, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	13.898		
18	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	358.925		
19	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections	Sqm	4.453		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C.				
20	Supplying, fitting and fixing Door frame with MS Angle (50mmx50mmx6mm), fixing, 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 3 nos. of 100mm size iron hinges with the vertical members of the frame for single leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality, in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C	Meter	5.182		
21	Supplying and making Door Frames with seasoned wood of required size in/c painting two coats of coal tar to the surface in contact with wall, fitted and fixed in position and mending good any damage (All sizes of wood are finished) for all floors etc. all complete as per direction of the E-I-C. Garjan wood	Cum	0.324		
22	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in	Sqm	14.721		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C				
23	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	Sqm	4.892		
24	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	568.882		
25	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	334.385		
26	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two	Sqm	128.726		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.				
27	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	2.790		
28	Supplying fitting and fixing railing & rail post made of various dia Stainless Steel (SS) pipes of standard thickness for normal structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, specification & the direction of the Engineer in charge. 38mm dia. and wall thickness 2.5mm	Meter	31.400		
29	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
30	Supplying Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
31	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
32	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
33	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	6.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
34	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2.000		
35	38mm thick Patent Stone floor (1:2:4) with Portland Composite cement (CEM II/AM, 42.5N), best quality coarse sand (minimum FM1.8) and 10mm down well graded crushed stone chips (Preferably stone chips from Madhyapara, Dinajpur) (LAA value not exceeding 35), in/c chips screening, mixing, laying the concrete in alternate panels, compacting and finishing the top with neat cement, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	334.211		
36	Disposal/Dumping of sewage waste water to proper place. Cleaning, washing with minor repair works.of existing Saptic Tank and Sock well. as per sample accepted/approved by the Engineer.	LS	1.000		
37	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the EI-C. For 100 users with 3 manhole covers. (For New Building)	Each	1.000		
38	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Building)				
39	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.000		
40	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.000		
Sub Total: Part A. Civil work=					
Part B. Sanitary Work					
41	Supplying, fitting and fixing Bangladesh pattern " BISF STANDARD " Long Oriental Pan (Model-320, size 540mmx 425mmx 270mm, Bowl size-390mmx 210mm x 190mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and with wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C.	Each	1.000		
42	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc.	Each	5.000		
43	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout				
44	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	50.000		
45	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
46	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	30.000		
47	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	5.000		
48	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	5.000		
49	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as	Each	5.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)				
50	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous Wash Hand Cabinet Basin (Model-216, size- 00x450x210mm and bowl size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.	Each	4.000		
Sub Total: Part B. Sanitary Work=					
Part C. Electric Works					
51	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall be in conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	1000.000		
52	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48V/protected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netherlands) Origin : USA/EU Warranty : At least 03 yrs. 1000 Watt 24V/48V				
53	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afroz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
54	Charge Controller :Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.000		
55	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
56	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1000.000		
57	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year	Watt Power	1000.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	free maintenance service of the total solar system must be given by the concerned contractor.				
58	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	5.000		
59	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	5.000		
60	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineerin-charge.	Each	15.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
61	Ceiling fan Supplying, fitting and fixing 250V capacitor type 1.422m sweep (best quality) ceiling fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C.Brand:BRB/Energypac or equivalent approved by Engineer in charge.	Each	10.000		
62	Electric Bulb/Lamp Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	15.000		
Sub Total: Part C. Electrical Cost =					
Part D. Tree Plantation and Fencing					
63	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will be made on actual number of trees at the time of handover). (At Surrounding Duilding and Ground)	Each	50.000		
Sub Total: Part D. Tree Plantation and Fencing =					
Total- (A+B+C+D)					

Financial Offer

Summary of LOT-5, Alikadam, Bandarban

SL No	Description Item of Works	Total Amount (TK)	Remarks
A	Tarabunia shofiul Alam Govt. Primary school Cum Cyclone Shelter, Alikadam		
B	Chowkhon Tripura para Govt. Primary school Cum Cyclone Shelter, Alikadam		
C	Asoti Tripura para Govt. Primary school Cum Cyclone Shelter, Alikadam		
	Grand Total TK =		
In Word:			

(Lot-5: A)

Tarabunia shofiul Alam Govt. Primary school Cum Cyclone Shelter, Alikadam Union: Cholkhong

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Tree Plantation Works		
4	Part D. WASH Block		
	Grand Total TK =		
In Word:			

Tarabunia shofiu Alam Govt. Primary school Cum Cyclone Shelter, Alikadam (Lot-5 A), Union: Cholkhong

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
Part A. Civil Work					
1	Dismantling of existing / damaged brick work in sub-structure or superstructure works of any type manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C.	Cum	9.393		
2	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	139.637		
3	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	1.966		
4	Site improvement/Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.	Cum	133.758		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
5	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test. (Play Ground)	Cum	133.758		
6	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (Play Ground ,Flag stand,Veranda etxtention)	Cum	81.660		
7	Single layer brick flat soling with 1st class or picked bricks, true to level, camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete as per direction of the E-I-C. (Class room floor,veranda Flag stand,and others area)	Sqm	111.732		
8	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Veranda ,different class room floor, new class room floor and others area)	Cum	0.874		
9	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours	Sqm	7.954		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.				
10	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (Draing Retaning wall,veranda)	Cum	5.857		
11	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different class room floor,new class room floor,Toilet ,inside outside wall ,flag stand and others area)	Sqm	216.602		
12	Painting with Plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	450.839		
13	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat (Inside wall,pertition wall,toilet inside wall and pertition wall and others area)	Sqm	327.657		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
14	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. (Different class room and office room and others area)	Sqm	315.740		
15	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C (Connecting road for school and toilet).	Meter	144.574		
16	SHBB(FM-0.80): Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	104.606		
17	Supplying Fitting and Fixing SS post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness .5mm), ornamental or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge. (Flage stand)	Meter	20.740		
18	Supplying fitting and fixing railing & rail post made of various dia MS pipes of standard thickness for normal, ornamental Bridge or any other structure including required ms plate, nutbolt, cutting, welding, painting with anticorrosive paint, laying in position etc. all complete as per design, drawing,spacification & the direction of the E-I-C.50mm dia. and wall thickness 4mm	Meter	18.000		
19	Supplying Project Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
20	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E-I-C. (10 nos of different sizes)	LS	1.000		
21	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
22	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	4.000		
23	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Set	2.000		
24	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
25	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.00		
26	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips/picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc.	Sqm	11.790		
27	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as	Set	1.000		
	Sub-Total: Part A. Civil Work =				
	Part B. Sanitary Work				
28	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the EI-	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)				
29	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	2.000		
30	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	10.000		
31	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C. 25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	10.000		
32	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Each	20.000		
33	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
34	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)				
35	12mm dia plastic Bib cock	Each	4.000		
36	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	2.000		
Sub Total: Part B. Sanitary Work=					
Part C. Tree Plantation Works					
37	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will be made on actual number of trees at the time of handover).	Each	50.000		
Sub Total: Part C. Tree Plantation Works					
Part D. WASH Block (Two Chamber)					
38	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level (EGL), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including locating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	Sqm	11.364		
39	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	7.138		

Sl. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
40	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	7.255		
41	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	Cum	1.396		
42	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Sqm	1.087		
43	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	233.811		
44	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	43.357		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
45	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Cum	2.507		
46	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer in-charge.	Sqm	33.772		
47	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (At Wall, Floor, Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Sqm	109.754		
48	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 990mmx2130mm uPVC plastic shutter (solid)	Each	2.000		
49	Supplying, fitting and fixing Door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and	Meter	5.180		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.				
50	Supplying fitting and fixing Steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
51	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	33.688		
52	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	Sqm	14.430		
53	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.000		
54	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per	Sqm	10.030		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	direction of the E-I-C				
55	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	12.403		
56	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	29.280		
57	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar	Sqm	3.343		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	as scissors.)				
58	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.540		
59	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)	Each	1.000		
60	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
61	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and	Each	2.000		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	mending good the damages, supplying minimum 10 liters capacity lowdown with master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]				
62	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
63	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45 , wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. (100 mm dia uPVC Y or T - Y Cleanout)	Each	2.000		
	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
64	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
65	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
66	Supplying 25mm to 200mm dia (inside) best quality uPVC pipe having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C.	Meter	24.000		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	Minimum inner dia 100mm and minimum wall thickness 3.4mm				
67	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	Set	2.000		
68	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	2.000		
69	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	2.000		
70	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	1.000		
71	12mm dia plastic Bib cock	Each	10.000		
72	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
73	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the	Each	2		

SI. #	Description	Unit	Quantity	Unit Price (TK)	Total Price (TK)
	Engineer- (At Building- 1 & 2) in-charge.				
74	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	2		
75	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer in-charge. (At Building- 1 & 2)	Each	4		
76	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	4		
77	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	4		
Sub Total: Part D. WASH Block					
Total (A+B+C+D)					

(Lot-5: B)

Chowkhon Tripura para Govt. Primary school Cum Cyclone Shelter, Alikadam Union: Nayapara

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary Work		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Chowkhon Tripura para Govt. Primary school Cum Cyclone Shelter, Alikadam (Lot-5 B) Union: Nayapara

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C. (class room floor, Veranda ,new class room floor and toilet Floor)	Cum	1.622		
2	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C. (Veranda, Class room floor, New class room floor, diferent floor area Toilet floor and inside, outside wall)	Sqm	146.300		
3	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	1.966		
4	Site improvement/Earth filling in foundation trenches and plinth	Cum	2.078		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area.				
5	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	3.476		
6	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test.	Cum	2.078		
7	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Veranda ,different class room floor, new class room floor and others area)	Cum	2.560		
8	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines	Sqm	9.829		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (Flag stand ,veranda extention)				
9	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (Draing Retaning wall,veranda)	Cum	14.094		
10	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different class room floor,new class room floor,Toilet ,inside outside wall ,flag stand and others area)	Sqm	250.897		
11	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips/picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc.	Sqm	249.405		
12	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary	Sqm	642.063		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.				
13	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 3 Coat	Sqm	532.257		
14	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. (Different class room and office room and others area)	Sqm	66.813		
15	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C. (Connecting road for school and toilet)	Sqm	65.188		
16	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C (Connecting road for school and toilet).	Meter	100.000		
17	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation	Sqm	70.946		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.				
18	Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	65.188		
19	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	4.000		
20	Steel Window shutter repairing (20 Gage thickness plan sheet provide steel fram replace with glass by welding) and door hinge setting with towerbolt setting including welding, welding machine renting, generator renting, carrying etc all complete. All work done as per instruction of Engineer in charge. Considered local rate	Each	4.000		
21	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C. (Different class room and office room)	Sqm	0.540		
22	Supplying Fitting and Fixing SS post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness .5mm), ornamental or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing, specification & the direction of the Engineer in charge. (Flage stand)	Meter	18.000		
23	Providing verandah railing or any where directed with 40mm or 50mm dia 2.9mm wall thickness GI pipe hand rail welded with 12~15mm dia of 2.35~2.3mm wall thickness GI pipe post fixed vertically @125mm c/c. 75mm of the bottom of the pipes to be embedded in floor with 50mmx50mmx6mm MS base plate welded at bottom, all complete in/c making necessary grooves in	Sqm	52.098		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	floor, packing the post with cementconcrete(1:2:4),mending good all damages, finishing etc.all complete as per plan and direction of E-I-C.(For 40mm dia of 2.9mm wall thickness GI pipe hand railing)				
24	Supplying Project Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
25	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	1.000		
26	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
27	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
28	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.000		
29	Supplying, fitting & fixing door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj)	Each	10.000		
30	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as per directions of the E-I-C.	Set	1.000		
31	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2		
Sub-Total: Part A. Civil Work =					
Part B: Sanitary Work					

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
32	Supplying, fitting and fixing Bangladesh pattern "BISF STANDARD" Long Oriental Pan (Model-320, size 540mmx 425mmx 270mm, Bowl size-390mmx 210mm x 190mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and with wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C.	Each	2.000		
33	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
34	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	2.000		
35	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	32.000		
36	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	26.000		
37	50 mm dia wall thickness 3.9 mm - 4.5 mm	Meter	30.000		
38	Supplying plastic Bucket 02 nos(30 litre), Badna 02 nos, Mog 02 nos(All RFL Brand)	Set	1.000		
39	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.White (150mm x 110mm x 40mm size)	Each	2.000		
40	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	2.000		
41	Supplying, fitting and fixing "BISF STANDARD" glazed vitreous wash	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	hand cabinet basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.				
Sub Total: Part B. Sanitary work =					
Part C. Electric Works					
42	Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall be in conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs	Watt Power	1000.000		
43	Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48Vprotected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs.	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	1000 Watt 24V/48V				
44	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage, 12V, 130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate, negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery. Battery, 12V, 130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afroz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
45	Charge Controller: Supply fitting fixing of MPPT charge controller, Solar Charger: 24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Necessary catalogue, operation & maintenance manual will be supplied by the bidder. All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.000		
46	Earthing for Solar system : Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building, Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
47	Solar Frame structure With 3mm X 38mm angle with spacing @ 12" of galvanized iron.	Watt Power	1000.000		
48	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4mm, 10 mm & 16 mm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1000.000		
49	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the	Each	15.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
50	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	10.000		
51	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	2.000		
52	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	4.000		
53	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as per drawings and directions of the E-I-C. Brand:BRB/Energypac	Each	8.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	or equivalent approved by Engineer in charge				
54	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer-in-charge..	Each	2.000		
55	Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	10.000		
Sub Total: Part C. Electric Works =					
Part D. Tube Well Works					
56	Mobilization of materials, equipment, tools and plants, boring rig at the work site , assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1		
57	Boring by using 200mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	210		
58	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1		
59	Supplying and lowering 38mm dia water grade PVC pipe having wall thickness 2.5m to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to	Meter	200.00		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C				
60	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.00		
61	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	2		
62	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1		
63	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6		
64	38mm dia socket adapter. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1		
65	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1		
66	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1		
67	Disinfecting the well by using minimum 1kg of bleaching powder or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.	LS	1		
68	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1		
69	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and	Hour	48		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.				
70	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.00		
71	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.000		
72	Water quality testing of different parameter (As, FC, Salinity, Iron & Arsenic) from a recognized lab. (i.e DPHE / LGED / CUET or Equavalent)	LS	1.000		
Sub Total: Part D. Tube Well Works =					
Part E. Tree Plantation Works					
73	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will disburse on actual number of trees at the time of handover).	Each	30.000		
Part F. Wash Block					
74	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including ating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.	sqm	11.364		
75	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as	cum	7.138		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.				
76	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	cum	7.255		
77	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	cum	1.396		
78	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, f _{cr} = 24 Mpa and satisfied a specified compressive strength f _c = 17 Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves,	Sqm	1.087		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor				
79	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	233.811		
80	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	sqm	43.357		
81	Brick work with 1st class bricks in cement mortar (1:4) in	cum	2.507		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)				
82	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	sqm	33.772		
83	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	sqm	109.754		
84	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)	Each	2.000		
85	Supplying, fitting and fixing door frame with MS angle (38mmx 38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand	Meter	5.180		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.				
86	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	sqm	1.718		
87	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	33.688		
88	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.	sqm	14.430		
89	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.000		
90	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP)	sqm	10.030		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C				
91	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	sqm	12.403		
92	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	sqm	29.280		
93	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors 525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and	sqm	3.343		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
94	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	sqm	0.540		
95	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the E-I-C. For 200 users with 3 manhole covers. (For New Toilet)	Each	1.000		
96	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	direction of the E-I-C. (For New Toilet)				
97	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-(390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	2.000		
98	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
99	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	2.000		
	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends,				

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
100	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
101	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
102	Supplying 25mm to 200mm dia (inside) best quality uPVC pipeshaving specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	24.000		
103	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	2.000		
104	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	each	2.000		
105	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	2.000		
106	12mm dia plastic bib cock	each	10.000		
107	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	each	1.000		
108	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	2		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
109	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer-in-charge. (At Building- 1 & 2)	Each	4		
110	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	4		
111	Supplying, assembling, fitting, fixing, installation (with effective connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard of following capacity suitable for operation at single phase, 230V/400V ± 5% 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer.2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")	Each	1		
112	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	4		
				Sub Total F: (Wash Block) =	
				Total (A+B+C+D+E+F)	

(Lot-5: C)

Asoti Tripura para Govt. Primary school Cum Cyclone Shelter, Alikadam Union: Nayapara

SL No	Description Item of Works	Total Amount (TK)	Remarks
1	Part A. Civil Work		
2	Part B. Sanitary		
3	Part C. Electric Works		
4	Part D. Tube Well Works		
5	Part E. Tree Plantation Works		
6	Part F. WASH Block		
	Grand Total TK =		
In Word:			

Asoti Tripura para Govt. Primary school Cum Cyclone Shelter, Alikadam (Lot-5 C) Union: Nayapara

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
Part A. Civil Work					
1	Dismantling of existing / damaged cement concrete work in foundation or floor works on any type of works manually or any other means without any damage in structure and sorting the dismantled materials disposal of unserviceable materials and stacking the serviceable materials properly for measurement for all floors, Cost of conveying, loading, transportation of unserviceable material accumulated during dismantling operation is included in this unit rate. The unserviceable material must be disposed at a safe place outside the site premises with minimum traffic disruption and the procuring entity will not provide any environmentally safe place for disposing the unserviceable materials.etc. all complete as per direction of the E-I-C. (class room floor, Veranda ,new class room floor and toilet Floor)	Cum	0.575		
2	Taking off defective cement plaster from walls, ceilings, beams, floors or wherever required in/c taking out joints clearing the surface and removing the debris to a pre selected place etc. all complete as per direction of the E-I-C.	Sqm	105.745		
3	Taking off CI sheet or fiber glass roofing of building without any damages of structure by any means, including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C. (At Building Roof and Varandha Roof Old Building)	Sqm	206.763		
4	Taking off old Door (Wooden/Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe distance or preselected place, etc. all complete as per direction of the E-I-C. (At Building- 1)	Each	3.000		
5	Taking off Window (Wooden / Steel) frames and shutter without any damages of structure including selecting, storing and stacking properly in measurable stacks after carrying those to a safe	Each	9.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	distance or preselected place, etc. all complete as per direction of the E-I-C. (At Building- 1)				
6	C&G: Clearing and Grubbing by removal and disposal of everything above ground level including overhanging branches, removing of all foundation stumps, embedded logs, tree roots and other material either to a depth of 0.3m below the proposed surface elevation or to the level as shown on the drawing, disposing of all materials resulting from clearing and grubbing at a safe distance, etc. all complete as per direction of the E-I-C. (for Damaged Plaster Work)	Sqm	13.935		
7	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C. (At Stair, Toilet, Guide Wall, Flag Stand)	Cum	18.089		
8	Site improvement / Earth filling in foundation trenches and plinth with specified soil in/c supplying, carrying, filling by throwing earth in 150mm layers with carted earth carried by truck or any other means to be supplied at the contractor's own cost etc. all complete as per direction of the E-I-C. (Carried from a distance beyond 200m, Hill and agricultural land must be avoided). Outside municipal area. (At Play ground, Toilet & Flag Stand)	Cum	57.561		
9	Manual compaction of earth in 150mm thick compacted layers by breaking clods to a maximum size of 50mm using wooden drag or ladder and compacting using concrete drop hammer (durmus), watering or drying to obtain optimum moisture content if necessary including supplying of wooden drag, ladder, bamboo hammer, steel/concrete hammer & other requisite tools, etc. all complete as	Cum	57.561		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	per direction of the Engineer-in-Charge. 85% compaction of the maximum dry density is to be obtained by the standard compaction test. (At Play ground, Toilet & Flag Stand)				
10	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD). (At Play ground, Approach Road)	Cum	2.895		
11	SBFS(FM-0.80): Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineerin- charge.	Sqm	76.785		
12	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:2:4). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:2:4) with cement, sand and brick chips.) (Flag stand,Drain)	Cum	3.563		
13	125mm Brick Work with Kiln 1st class bricks/automatic machine made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.	Sqm	7.954		
14	Brick work with 1st class bricks in cement mortar (1:4) in	Cum	17.560		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (Drain Retaining wall, veranda)				
15	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2) (Different class room floor, new class room floor, Toilet ,inside outside wall ,flag stand and others area)	Sqm	260.418		
16	38mm thick on an average roof top cement concrete screed in proportion (1:1.5:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.8) and 10mm down graded crushed 1st class brick chips/picked chips, (LAA value not exceeding 38), including Cement grouting, mixing concrete, laying with neat cement finishing on the following day of roof slab casting, cost of all materials, labour and transportation to the site, finishing the edges and corners, curing for the requisite period etc.	Sqm	10.629		
17	Supplying, fitting and fixing 0.46mm (26 SWG) thick Galvanized Color Iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C.	Sqm	211.215		
18	Supplying, fitting and fixing of False Ceiling (600mmx600mm or 600mmx 1200mm grid/ section divided as per prior approval with cross Tee) with 8 mm thick melamine board laminated by mechanical hot press with a milk white PVC membrane with aluminum frame suspended from ceiling, beam etc. by double ply 12 SWG GI twisted wire maintaining straight lines and desired finished level at bottom face in/c cutting holes in slabs or beams by electric drill machine and mending good the damages, if any, during execution of the	Sqm	52.455		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	work,installation, scaffolding, screws, nails etc. i/c cost of aluminum frame,royal plug, etc. all complete as per drawing, design and direction of E-I-C.				
19	Supplying and making well matured natural seasoned Solid wood works in frames of roof truss of required length and size with wall plates as per design in/c supplying, fabricating, hoisting, scaffolding, fitting and fixing in position with bolts and nuts for all floors etc. all complete as per direction of the E-I-C. (All sizes of wood are finished). (At Building- 1)	Cum	0.750		
20	Painting with plastic emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	667.512		
21	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	580.385		
22	Painting to Door and Window frames, shutters and any type of MS rod, FI bar, MS box, MS angle grill, gate etc. in two coats with Synthetic Enamel Paint of best quality and approved colour over a coat of priming. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing,	Sqm	146.724		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the EI-C. (Different class room and office room and others area)				
23	Earth work in Box Cutting on road crest up to 300mm depth, maintaining proper grade, camber and alignment, super elevation on curves, removing soil to a safe distance, watering, if necessary, spreading the excavated earth on road flanks and slopes uniformly including leveling, dressing, compacting the sub-grade by manual labour, etc. all complete as per direction of the E-I-C. (Connecting road for school and toilet)	Sqm	35.780		
24	Brick End Edging (125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C (Connecting road for school and toilet).	Meter	48.293		
25	Providing Brick on edge pavement in single layer of Herring Bone Bond (HBB) with 1st class or picked bricks true to level, maintaining camber, super elevation and grade, including supplying and laying 25mm thick sand (FM 0.80) cushion over the BFS, filling the interstices tightly with same type of sand, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge.	Sqm	35.780		
26	Providing verandah railing or any where directed with 40mm or 50mm dia 2.9mm wall thickness GI pipe hand rail welded with 12~15mm dia of 2.35~2.3mm wall thickness GI pipe post fixed vertically @125mm c/c. 75mm of the bottom of the pipes to be embedded in floor with 50mmx50mmx6mm MS base plate welded at bottom, all complete in/c making necessary grooves in floor, packing the post with cementconcrete(1:2:4), mending good all damages, finishing etc. all complete as per plan and direction of E-I-C. (For 40mm dia of 2.9mm wall thickness GI pipe hand railing)	Sqm	2.319		
27	Supplying, fitting and fixing 38mm thick well matured natural seasoned solid wooden door shutter (minimum 250mm wide plank) having top rail style of sections (100mmx38mm) lock rail (125mmx38mm) and bottom rail (225mmx38mm), closed joints	Sqm	8.591		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	and provided with best quality 4 nos. 100mm iron hinges, 2 nos. best quality 12mm dia 300mm and 225mm long iron tower and socket bolts, 2 nos. heavy type nickel plated handle, hinge cleats, buffer blocks and finished with sand papering for all floors etc. all complete as per direction of the E-I-C. (Single leaf door. All sizes of wood are finished). Mehagani wood				
28	Supplying, fitting and fixing Combined Steel Window Shutter, Frames and Grill welded together as per drawing & design having requisite Nos. of vertical and horizontal standard MS (19mmx19mmx3mm) 'Z' section for shutter and MS flat bar all around (25mmx4.5mm) and (19mmx3mm), 10mm square bar as grill welded horizontally @ 100mm c/c, only catch locking handle position gap should 125mm, at inner face of window frame with F.I. clamp 75mmx3mm duly embedded with Cement Concrete (1:2:4:) and mending good the damages in/c all cost of charges for fabrication and manufacture by welding, riveting, etc. supplying all essential fittings like stopper, handle, 3 nos catch hook 300mm long adjustable iron cleat, 50mm long pin hinge in/c supplying, fitting, fixing 18 BWG M.S. sheet in position welded to steel shutter with Tee stiffener (2 nos.) made with 25mm and 19mm flat bars fitted to shutter frame in Two equal part and upper part should be provided with 5mm clear glass, vertically in each shutter panel and putty and painting the window with two coats of synthetic enamel paint over a coat of anticorrosive priming, , etc for all floors. all complete as per direction of the E-I-C	Sqm	14.796		
29	Supply, Fitting & Fixing of MS handles with enamel paint coating all complete as per direction of the E-I-C. (All sizes of wood are finished)	Each	3.00		
30	Supplying Fitting and Fixing SS post made of various dia Stainless Steel (SS) pipes of standard thickness for normal (38mm dia. and wall thickness .5mm), ornamental or any other structure including required SS plate, nutbolt, cutting, welding, laying in position etc. all complete as per design, drawing,spacification & the direction of the Engineer in charge. (Flage stand)	Meter	18.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
31	Supplying Project Sign Board at site of 1.5m x 1.0m size in plain sheet, painting, writing, erecting & fixing with bamboo including all necessary as per direction of E -I -C.	LS	1.000		
32	Supplying cautionary Sign Board at site of different sizes on pana flex banner including erecting & fixing with wooden frame (if required) as per direction of E -I -C. (10 nos of different sizes)	LS	10.000		
33	Writing the name of the school with the year of establishment and construction of the school building in bangla on out side front face of the building , Male & Female toilet i/c painting the letters with approved quality of paint etc. all complete in all floors as per direction of the E-I-C.	LS	1.000		
34	Supplying, fitting & fixing Door lock with key for 3" size pad lock Aluminum sliding door shutter of heavy duty best quality etc. all complete as per direction of the E-I-C.(Mobaj) (Door)	Each	8.000		
35	Supplying, fitting & fixign Waste management bin (Plastic) 350L including padle with wheels .	Each	2		
36	Marble Stone Plate Providing, fitting and fixing marble Stone Plate of required size and shape (900mm x900mm x20mm) engrave writing as per direction of the E/C.	Each	1.000		
37	Geo Textile: Supplying and laying of a geo-textile filter on ebankent slopes properly with non-woven needle punched type geo-textile filter of following grades,specification for effective erosion protection hydraulic structure/river training work including local placing in position,providing machine seamed joints(with 100% polythene or nylon thread) 35 cm lab in dry conditio or minimum 100 cm lab water Including protection the geo-textile materials ; from UV ray and fromother damages etc.all complete in all respect as per approved drawing ,specification and direction of Engineer-in-charge.(Geo-textile delivered at site should be clearly labeled with brand name and grade printed at regular intervals across the body of the fabric. Grade-III : Specification of which Mass (minimum)=240 gm/m2, Thickness under pressure 2kpa (minimum)=2.0mm, Strip tensile strength (minimum)=18.0 kn/m, Elongation (minimum)=35%, Grab tensile strength (minimum)=1000 N, CBR puncture resistance	Sqm	223.08		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	(minimum)=2700 N, Effective opening size (Maximum)=0.09mm, Permeability vertical under 2 kpa pressure h is 100mm (minimum)=0.003 m/s and Permeability horizontal under 2 kpa				
38	Supplying and fabrication of Ribbed or deformed bar reinforcement conforming to BDS ISO 6935-2:2006 (or standard subsequently released from BSTI) for anchoring to the adjoining geo-textile filter. Specification: Reber dia = 10 mm, Length = 900 mm including right angle of 150mm penetrating to the ground inside @ 1500mm C/C.all complete in all respect as per approved direction of Engineer-in-charge	Kg	14.438		
39	5 kg. Carbon-Di-Oxide Type: Supply & fixing the following capacities Carbon-di-Oxide type Fire Extinguisher suitable for repeated use complete with wall bracket, discharge nozzle etc. as per sample accepted/approved by the Engineer.	Each	1.000		
40	Supplying, fitting and fixing of single lightning arrester on the top of the building 1.22m long 12mm dia GI pipe and clamp with bolts and 3mm mounted air spike. Top of the lightning arrester should be soldered and other fittings required etc. all complete in all respects as per directions of the E-I-C.	Set	1.000		
Sub-Total: Part A. Civil Work =					
B.Sanitary Work					
41	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. Plastic type (Size: 150mmx150mmx126mm)	Each	3.00		
42	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout	Each	3.00		
	Supplying different inside dia best quality uPVC C-grade pipe for				

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
43	12 mm dia wall thickness 2.8 mm - 3.3 mm	Meter	20.000		
44	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
45	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	30.000		
46	32 mm dia wall thickness 3.6 mm - 4.2 mm	Meter	30.000		
47	40 mm dia wall thickness 3.7 mm - 4.3 mm	Meter	30.000		
48	50 mm dia wall thickness 3.9 mm - 4.5 mm	Meter	20.000		
49	60 mm dia wall thickness 4.8 mm - 5.5 mm	Meter	20.000		
50	75 mm dia wall thickness 4.8 mm - 5.5 mm	Meter	20.000		
51	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	20.000		
52	Supplying plastic Bucket 02 nos(30 litre), Badna 02 nos, Mog 02 nos(All RFL Brand)	set	2.000		
53	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C.	Each	3.000		
54	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Each	3.000		
55	Supplying, fitting and fixing " BISF STANDARD " glazed vitreous	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	<p>wash hand cabinet basin (Model-216, size- 00x450x210mm and bowel size 395x315x160mm) including fitting, fixing the same in position with heavy type C.I. brackets, 44mm dia PVC waste water pipe with brass coupling (not exceeding 750mm in length), 12mm plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia C.P. pillar cock, 30mm dia C.P. Basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks screws and mending good the damages etc. all complete as per direction of the E-I-C.</p>				
	Sub total of Sanitary Work				
Part C. Electric Works					
56	<p>Solar Panel Supply,fitting fixing and testing of 200 - 250 Wp 12V mono-Crystalline Solar panel as approved by Engineer in charge. Solar PV Module/panel shall bein conformity with the requirement of IEC 61215, IEC 61730 standards. Certificate issued by the international recognized authorities such as UL/ULC/VDC/TUV/DNV or equivalent certifying body according to the above requirement shall have to be submitted by the bidder Necessary Catalogue, Operation & maintenance manual will be supplied by the contactor Cell/Panel Brand : 1000 Watt 24V / 48VBOSCH / Qcell / Solarworld / Sunway / Suntech; Origin :USA/EU Warranty : At least 20 yrs</p>	Watt Power	1000.000		
57	<p>Solar Inverter :Supply, fitting fixing & testing the solar inverter, 1000 watt-24V/48Vprotected from lightning induced current by surge protective device of adequate rating both in DC and AC side in parallel at the entry and exit terminal of the inverter. The Inverter shall also be protected for overload and over current protection from both DC and AC side. The inverter shall be tested and certified by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo. Solar Inverter:Of following watt Pure Sine Wave, Efficiency 94% (minimum) Brand : Outback/Extruder/Deutsche Power/Victor (Netharland) Origin : USA/EU Warranty : At least 03 yrs.</p>	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	1000 Watt 24V/48V				
58	Solar Battery with casing :Supply, installation (with effective connection), testing & commissioning of Solar battery with nominal voltage,12V,130AH or above @10HR or equivalent Deep Cycle heavy duty industrial type Lead Acid battery, positive plate : Tubular or solid thicker Plate,negative plate: Pasted float, Electrolyte Dilute Sulfuric Acid, specially suitable for Solar system. The term "Solar" must be engraved at the body of Battery.Battery,12V,130AH Battery rack/cabinet of sufficient size and :Hamko/Volvo/Rahim Afrooz or equivalent Made in Bangladesh Warranty : At least 05 yrs.	Each	4.000		
59	Charge Controller: Supply fitting fixing of MPPT charge controller, Solar Charger:24/48v, 45A high accuracy confirming certification by UL/ULC/VDC/VDE/ETL in accordance with the requirement of relevant IEC standards and shall have authentication to use CE, TUV and UL/ULC logo.Necessary catalogue, operation & maintenance manual will be supplied by the bidder.All complete & sample approved by Engineer-in-charge Brand : SMA/Morning Star/Outback/apollo Origin : USA/Germany warranty : At least 03 yrs.	Each	1.000		
60	Earthing for Solar system :Supply & installation (with effective connection) of 8'-0" Brass or Copper Rod (10mm dia) under 2'-0" from FGL outside school building,Connecting the rod with SDB's earthing bar by 6mm dia copper wire (properly soldering with the rod) through 25 mm dia pvc pipe complete with necessary accessories as per direction of Engineer in charge.	Each	1.000		
61	Solar Frame structure With 3mm X 38mm angle with spacing @ 12"of galvanized iron.	Watt Power	1000.000		
62	Solar installation (with effective connection): installation (with effective connection), testing & commissioning of solar system with cables of required sizes (4rm, 10 rm & 16 rm BYM) etc all complete as per instruction Engineer-in-charge. The one year free maintenance service of the total solar system must be given by the concerned contractor.	Watt Power	1000.000		
63	Channel Wiring: Surface Channel Light point/Exhaust / Wall	Each	10.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.				
64	Channel Wiring: Surface Channel Ceiling fan point /Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer- in-charge.	Each	10.000		
65	Supplying, fitting and fixing 5 Amps 2-pin socket with control switch Supplying, fitting and fixing 5 Amps 2-pin socket with control switc etc. complete as per drawing & directions of the E-I-C.	Each	8.000		
66	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C.	Each	8.000		
67	Supplying, fitting and fixing 250V Capacitor type Ceiling Fan complete with concealed condensers, canopies and required length of rods, ceiling roses, wooden round blocks, regulator, switches and required length of flexible wire etc.. all complete as	Each	20.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	per drawings and directions of the E-I-C. Brand:BRB/Energypac or equivalent approved by Engineer in charge				
68	Gang switch & socket: Gang switch & one 5 amps 2 pin Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer in-charge..	Each	8.000		
69	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer in-charge. (At Building- 1 & 2)	Each	50.000		
70	Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	20.000		
Sub Total: Part C. Electric Works =					
D)Tube-Well					
71	Mobilization of materials, equipment, tools and plants, boring rig at the work site , assembling of derrick and dismantling the same, cleaning the site on completion of work, etc. all complete as per direction of the E-I-C	LS	1.000		
72	Boring by using 200mm dia cutter and 38mm dia GI Pipe and other equipment capable of drilling up to a depth of 500m by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3m interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes & casing pipes etc. all complete as per specification and direction of the E-I-C.	Meter	210.000		
73	Supplying and lowering 38mm dia water grade PVC pipe having	Meter	200.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	wall thickness 2.5m to 3.0mm ('D' Class Aziz pipe/equivalent), PVC sand trap of length 3.0m with cap, PVC strainer of desired slot installing at the middle of the most suitable water bearing strata. 38mm dia GI pipe of best quality of length 1.52m with MS welded flat bar on each side to prevent from rotation up to the desired depth, fitting fixing the hand pump No. 6 etc. including the cost of solvent cement, socket adapter, filling medium sand up to 18.0m above strainer and the remaining portion with available soil from boring etc. all complete as per standard specification and direction of the E-I-C				
74	Supplying, fitting and fixing plastic overhead Water Tank of 500 litres capacity made with 25mm thick plastic composed sheet with plastic cover on top with locking arrangements, providing inlet and outlet pipe with flanges and plug, jum nuts, 40mm dia ball cock, 12mm dia 1.12m long overflow pipe and with all other necessary fittings etc. all complete in all respects as per direction of the E-I-C.	Each	2.000		
75	Hand pump No. 6 complete set (RFL Shomrat) (Medium)/equivalent brand) (Heavy Duty, Weight 25-28 kg) all complete as per Design, Drawing, Specification and direction of the Engineer- in charge.	Each	1.000		
76	38mm dia GI pipe 2.9mm thick (National Tubes/equivalent), MS Flang 4 nos, MS Rod Welded as per direction of the E-I-C.	Meter	1.000		
77	38mm dia water graded PVC pipe having thickness 2.5-3.00mm ('D' class Aziz brand/equivalent) pipe sand trap	Meter	1.000		
78	38mm dia water graded PVC strainer having thickness 2.5 – 3.0mm ('D' class Aziz brand/equivalent) of recommended slot size. All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Meter	6.000		
79	38mm dia socket adapter . All complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.000		
80	Supplying, Fitting & Fixing of Best quality 38mm dia PVC Cap all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	Each	1.000		
81	Complete development of the tube well to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the E-I-C.	LS	1.000		
82	Disinfecting the well by using minimum 1kg of bleaching powder	LS	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	or any other disinfectant etc. all complete as per standard specifications and direction of the E-I-C.				
83	Construction of platform of size 1.4mx1.0m as per drawing with 75mm thick Cement Concrete (1:2:4) over a layer of brick flat soling and providing 125mmx75mm brick band all around in/c finished with 12mm thick cement plaster (1:4) with neat cement finishing, providing outlet drain up to 1m long, etc. all complete as per direction of the E-IC.	Each	1.000		
84	Long term pumping test of the well by required capacity of turbine/submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. all complete as per specifications and direction of the E-I-C.	Hour	48.000		
85	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.	Each	1.000		
86	Locking Arrangement with 12 mm MS Bar fixing with hand pump & Platform all complete as per Design, Drawing, Specification and direction of the Engineer- in-charge.	LS	1.000		
87	Water quality testing of different parameter (As, FC, Salinity, Iron & Arsenic) from a recognized lab. (i.e DPHE / LGED / CUET or Equivalent)	LS	1.000		
Sub Total: Part D. Tube Well Works =					
Part E. Tree Plantation Works					
88	Supplying Specified good quality Tree Plant like Neem & Coconut (in Fifty-Fifty portion) with proper manure, Bamboo fencing (Minimum height 1.50 m, 500 mm dia) for protection from animals, watering and taking care for contract period as per direction of E-I-C. (Payment will be made on actual number of trees at the time of handover).	Each	30.000		
Part F. Wash Block					
89	Providing Layout and carry over Bench Mark (BM) at site from nearby BM pillar, demarcating property lines, existing ground level L), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc.	Sqm	11.364		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	showing and maintaining reduced levels (RLs) including ating,establishing,protecting all public utilities within the premise of work and finally all to be presented in black and white etc. all complete as per direction of the E-I-C.				
90	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	7.138		
91	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	Cum	7.255		
92	Mass Concrete Work in foundation or floor with Portland cement, sand (minimum FM 1.20) and 1st class/picked brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 170kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost.(Mass concrete in floor (1:3:6) with cement, sand and brick chips.)	Cum	1.396		
93	RCC:1:2:4, 17MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, $f_{cr} = 24$ Mpa and satisfied a specified compressive strength $f_c = 17$ Mpa at 28 days on	Sqm	1.087		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	standard cylinders as per standard practice of Code AASHTO/ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm (when plasticizer use), pouring, casting, compacting by mechanical vibrator machine and curing at least for 28 days, removing centering-shuttering after approved specified time period, i/c cost of additional testing charges of materials and cylinders required. Excluding the cost of reinforcement and its fabrication, welding, coupling, placing, binding etc. Additional quantity of cement and Plasticizer i.e. Water reducing water-cement (W/C) ratio (Doses of admixture to be fixed by the mix design from approved laboratory instruction by the Engineer) Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge. Note : Using Concrete Mixer. 5.05.01.06.2 Add for each additional floor up to 5th Floor				
94	Grade 400 (RB 400/ 400W): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 14% and 2.5% respectively.	Kg	233.811		
95	125mm Brick Work with Kiln 1st class bricks/automatic machine	Sqm	43.357		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	made first class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C.				
96	Brick work with 1st class bricks in cement mortar (1:4) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (At Flag Stand, Ramp, Stair, Guide Wall and Different Place)	Cum	2.507		
97	Providing Single layer Brick Flat Soling (BFS) with 1st class or picked bricks, true to level, maintaining camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer in-charge.	Sqm	33.772		
98	Minimum 12mm thick sand Cement Plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corner and curing of the requisite period etc. all complete as per direction of the Engineer in charge.(sand of minimum F.M 1.2)	Sqm	109.754		
99	Supplying fitting, fixing of UPVC hollow or solid plastic door shutter having specific gravity 1.35-1.45, thickness 1.7 mm - 2.2 mm and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos Stainless Steel hinges fitted with min 64 Nos of 3.17 mm - 3.97 mm dia 12.7 mm long rivets, 12 Nos 25.4 mm Stainless Steel screws. 9.38 mm dia, 150 mm long Stainless Steel tower bolts 2 Nos, 146 mm long Stainless Steel handle fitted with rivet, fitted with 2 Nos of G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	dia 1 no Stainless Steel haspbolt, special type round rack, carrying the same to site and local carriage etc. all complete as per direction of the E-I-C. 5.08.26.04 990mmx2130mm uPVC plastic shutter (solid)				
100	Supplying, fitting and fixing door frame with MS angle (38mmx38mmx 6mm), fixing 250mm long 6 nos. of iron clamps of same size (one end bifurcated) with vertical members of the frame, fixing the frame in wall with cement concrete (1:2:4) in Portland Composite cement CEM II/AM, 42.5N), best quality sand (minimum FM1.8) and 20mm down well graded 1st class brick chips, mending good damages, fixing 6 nos. of 100mm size iron hinges with the vertical members of the frame for double leaf shutter, painting all iron faces in 2 coats over a coat of priming with enamel paint of approved colour and quality in/c cutting, sizing, welding for all floors, etc. all complete as per plan and direction of the E-I-C.	Meter	5.180		
101	Supplying fitting and fixing steel door shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener etc. all complete as per drawing and direction of E-I-C.	Sqm	1.718		
102	Supplying, fitting and fixing Glazed Wall Tiles of different size irrespective of colour or design (Country made/ Foreign made of Prior approved best quality) on 20mm thick cement mortar (1:3) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. Glazed wall tiles tiles less than or equivalent to 250mmx330mm in size of Prior approved best quality.	Sqm	33.688		
103	Supplying, fitting and fixing GP (Homogeneous) glazed floor tiles irrespective of colour or design (country made of Prior approved best quality) on 20mm thick cement mortar (1:2) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) base, raking out the joints and filling with white cement in/c cleaning the existing surface, cutting, shaping and	Sqm	14.430		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	laying the tiles in proper way, level and finishing with care, etc. all complete as per direction of the E-I-C. GP (Homogeneous) 300mmx300mm size glazed floor tiles of Prior approved best quality.				
104	Providing nosing with MS angles of different sizes. including cost of all materials, welding, carrying, etc. all complete as per design, drawing and direction of the E-I-C.	Kg	128.000		
105	Supplying, fitting and fixing 0.46mm (26 SWG) thick galvanized color iron corrugated sheet (Bangladesh made: KY/PHP) having minimum weight 63- 65 kg per bundle (2'-6" width 70 – 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C	Sqm	5.578		
106	Painting with Plastic Emulsion paint of best quality and approved colour in a seal container from authorized manufacturer special procedure, to wall and ceiling in two coats. Applying plastic emulsion paint one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning the plinth, floors, doors, windows, portions and ventilators by washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. curing for the requisite period etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C.	Sqm	12.403		
107	On exterior surface applying as per manufacturer instruction specific coat of Weather Coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying up of previous coat by brush/roller/spray in/c cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding, etc. all complete for all floors i/c cost of all materials as per direction of the E-I-C. 2 Coat	Sqm	29.280		
108	Manufacturing, supplying, Fitting and Fixing Collapsible Gate made of 20mm x 20mm x 3mm / 25mm x 25mm x 3mm MS angle placed @112mm c/c vertically and connecting the same with each other with 20mmx3mm/25mmx3mm MS flat bar scissors	Sqm	3.343		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	525mm/600mm long provided in three rows in/c cutting the different MS members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable looking arrangement and finally placing the same in position in between two nos. 50mmx50mmx6mm MS Tee rail made by welding two nos. 50mmx6mm MS flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required nos. 150mm to 225mm long 38mmx6mm MS flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C (1:2:4) in/c cutting holes and mending good the damages, painting two coats with approved synthetic enamel paint over a coat of anticorrosive painting etc. all complete as per drawing and design and direction of E-I-C (Collapsible gate made of 20mm x 20mm x 3mm M.S. angle as vertical member and 20mm x 3mm F.I bar as scissors.)				
109	Pre-cast Ventilators (25mm thick) of any design with cement mortar (1:4), fitted and fixed in position, finished with cement plaster (1:6) in/c necessary scaffolding and curing for requisite period in all floors, etc. all complete as per direction of the E-I-C.	Sqm	0.540		
110	Construction of Septic Tank with brick masonry works in main and partition walls in cement mortar (1:6) as per standard drawing enumerated in Appendix-6 (Typical septic tank design) over a single layer brick flat soling and 150mm thick cement concrete flooring (1:2:4), in/c 20mm thick cement plaster (1:4) to inside of walls with neat cement finishing, 25mm thick patent stone (1:2:4) flooring with neat cement finishing including supplying fitting and fixing of two RCC Tees and providing 450mm dia water sealed heavy type C.I. M.H. cover with necessary locking arrangements, 100mm thick RCC (1:2:4) top slab & 125mm thick RCC (1:2:4) wall around inside of the main wall of septic tank with minimum 1% reinforcement including centering, shuttering, fabricating, casting, curing etc. complete up to required depth. The item is inclusive of necessary earth work in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per the approved plan and direction of the EI-C.	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	For 200 users with 3 manhole covers. (For New Toilet)				
111	Construction of Soak Well with 250mm thick solid brick work (1:6) and 250mm honey comb brick work (1:6) as per design over RCC (1:2:4) well curb with 1.5% reinforcement upto the depth as per drawing with 100mm dia water sealed heavy type C.I. manhole cover with all locking arrangements, filling the well upto the required depth with graded khoa and sand including supplying and fabricating MS Rod, casting, curing etc. The item is inclusive of necessary earth work in excavation, side filling and bailing out water etc. all complete as per drawing, design and direction of the E-I-C. (For New Toilet)	Each	1.000		
112	Supplying, fitting and fixing Bangladesh pattern BISF Standard Porcelain Oriental Pan (Model-320, size-540x425x270mm, Bowl size-(390x210x190mm) or equivalent with foot rest with foot rest of vitreous China and preparing the base of pan with cement concrete (1:2:4) and wire net or rods including making holes wherever required and mending good the damages, supplying minimum 10 liters capacity lowdown wirh master siphon and lowdown cover or equivalent complete set and fitting fixing the same in position with C.I. brackets including supplying best quality 40mm dia PVC flush pipe with brass coupling (not exceeding 1.80m in length), 12mm dia plastic connection pipe with brass coupling, 12mm dia brass stop cock, 12mm dia ball cock and pulling chain etc. all complete as per direction of the E-I-C. White [BISF ASTANDARD]	Each	2.000		
113	Supplying, fitting and fixing Toilet Paper Holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I- C. White porcelain toilet Paper holder (150x150x126mm) best quality i/c Supply fitting & fixing etc. Plastic type (Size: 150mmx150mmx126mm)	Each	2.000		
114	Supplying different inside dia best quality uPVC special fittings having specific gravity 1.35 -1.45 , wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or	Each	2.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. all complete as per direction of the E-I-C. 100 mm dia uPVC Y or T - Y Cleanout				
115	Supplying different inside dia best quality uPVC C-grade pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets (length: 6 meter each) etc. all complete as per direction of the E-I-C.				
116	19 mm dia wall thickness 2.9 mm - 3.4 mm	Meter	30.000		
117	25 mm dia wall thickness 3.4 mm - 4.0 mm	Meter	20.000		
118	Supplying 25mm to 200mm dia (inside) best quality uPVC pipes having specific gravity 1.35-1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets head and shoes, bends, clamps and nails etc. all complete in all floors as per direction of the E-I-C. Minimum inner dia 100mm and minimum wall thickness 3.4mm	Meter	4.000		
119	Supplying plastic Bucket 01 nos(30 litre), Badna 01 nos, Mog 01 nos(All RFL Brand)	set	2.000		
120	Supplying, fitting and fixing Standard Size porcelain Soap Tray fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. White (150mm x 110mm x 40mm size)	Each	2.000		
121	Supplying, fitting and fixing Towel Rail with holder fitted with rowel plug and screw including making holes in walls by drill machine and mending good the damages etc. all complete as per direction of the E-I-C. C.P. Towel rail (Size : 600mmx20mm) with C.P. holder (Medium quality)	Meter	2.000		
122	12mm dia plastic bib cock	Each	10.000		
123	Supplying, fitting and fixing 300mmx300mmx20mm thick Marble	Each	1.000		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	Name plate at left hand wheel guard on each side, one in English and one in Bengali including cost of materials, labour, form work, engraving neatly the approved Sample given by the engineer etc. complete as per drawings and direction of the Engineer-in charge.				
124	Channel Wiring: Surface Channel Light point/Exhaust / Wall bracket fan point Wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1C-1.5 Sq.mm PVC insulated and sheathed stranded cable (BYM) & 1.5 mm rm (green) PVC insulated ECC wire (BYA) through 01mm thick PVC Channel complete with 18 SWG GP Sheet concealed/ surface switch board with 3mm thick ebonite sheet cover, circular box, 5 amps. Piano type switch, brass holder, ceiling rose, fixing materials & all other accessories as required including mending the damages:Manufacturer of cable Eastern/BRB/Paradise/Poly cable/ Super sign/BBS or equivalent according to the specification & direction of the Engineer-in-charge. (At Building- 1 & 2)	Each	2		
125	Supplying, fitting and fixing 20mm thick Switch Board (100mmx150mm) for fan regulators, lighting switches two pin and at the three pin socket outlets the switch board to be made of teak wood and varnished on all sides etc. all complete as per directions of the E-I-C. (At Building- 1 & 2)	Each	2		
126	Gang switch & socket: 5A piano Switch Supplying, assembling, fitting, fixing & installation (with effective connection) on prepared board 250 volt 5 amp concealed type switch/socket with switch (foreign made MK/Legrand/ Hager (Stylea)/ABB /MEM or equivalent brand) mounted on 18 SWG galvanized sheet board 75mm depth with other accessories as per drawing, specification & direction of the Engineer-in-charge. (At Building- 1 & 2)	Each	4		
127	Energy Savings Lamp (CLF) Supplying, fitting and fixing the following electric lamp for garden/gate/room light and different places as per directions of the E-I-C. 23 watt Spiral Type lamps B22	Each	4		
128	Supplying, assembling, fitting, fixing, installation (with effective	Each	1		

Sl. #	Description	Unit	Quantity	Unit Price (TK.)	Total Price (TK.)
	connection) testing & Commissioning of single stage 2800-2900 RPM Centrifugal water Pump Motor Set monobloc type manufactured according to DIN/NEMA/IEC/BS/VDE/JIS & ISO 9001 standard of following capacity suitable for operation at single phase, 230V/400V ± 5% 50Hz A.C having insulation: Class F & Protection: IP44 (Minimum) manufactured by CE certified/UL listed countries as per sample accepted/approved by the Engineer.2.00 H.P Centrifugal Pump Motor Set Discharge: 50 - 220 liter/ min Head: 37-20 meter Suction & Delivery: 40 mm x 25 mm (1.50" x 1")				
129	Supplying, fitting and fixing axial flow AC capacitor type wall mounted exhaust fan complete with blade, steel frame, standard wall louver shutter, PVC insulated connecting wire etc. complete as required in/c cutting wall and mending good the damages etc. all complete as per directions of the E-I-C. 300mm sweep (best quality)	Each	4		
				Sub Total F: (Wash Block) =	
				Total (A+B+C+D+E+F)	

Section 7. Drawings

List of Drawings

Lot 1:

- A: Repairing/Refurbishing of Uttor Lemshikhali GPS, Kutubdia
- B: Repairing/Refurbishing of Tabaler Char Govt. Primary School, Kutubdia
- C: Repairing/Refurbishing of Kazi Helal GPS, Kutubdia

Lot 2:

- A: Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS, Pekua
- B: Repairing Refurbishing of Moddho Mognama GPS, Pekua /
- C: Repairing/Refurbishing of Uttar Mognama GPS, Pekua
- D: Repairing/Refurbishing of Nondirpara GPS, Pekua

Lot 3:

- A: Repairing/Refurbishing of Baishpari, Naikhongchari
- B: Repairing/Refurbishing of Sonaichori, Naikhongchari
- C: Repairing/Refurbishing of Thuihlaong para, Naikhongchari

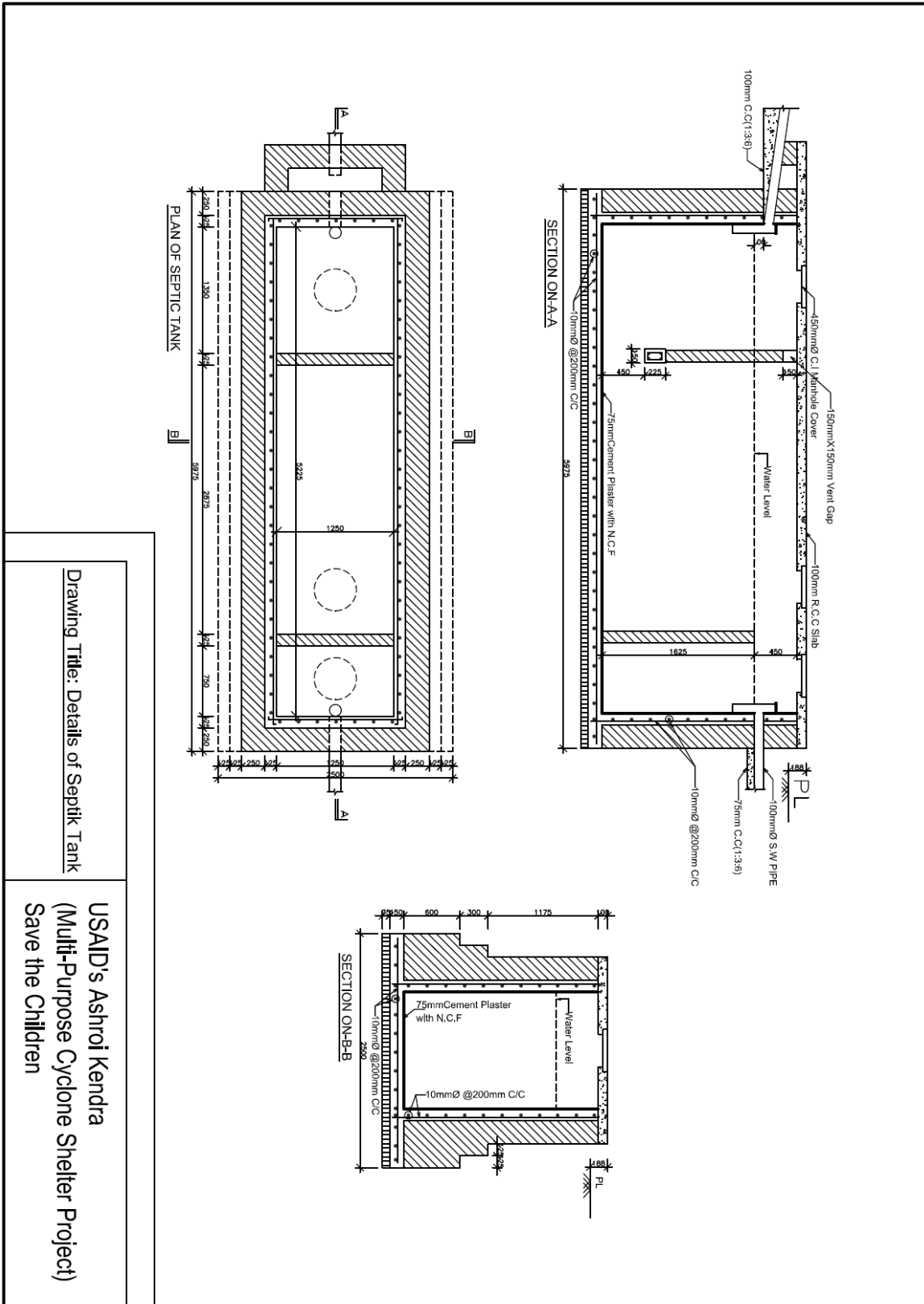
Lot 4:

- A: Repairing/Refurbishing of Shabek Bilchori GPS, Lama
- B: Repairing/Refurbishing of Kalingabil GPS, Lama
- C: Repairing/Refurbishing of Yangchamukh Headmanpara GPS, Lama
- D: Repairing/Refurbishing of Sipahi Habibur Rahman GPS, Lama

Lot 5:

- A: Repairing/Refurbishing of Tarabunia Shofiul Alam GPS, Alikadam
- B: Repairing/Refurbishing of Cholkhong Tripura GPS, Alikadam
- C: Repairing/Refurbishing of Asoti Tripura Para GPS, Alikadam



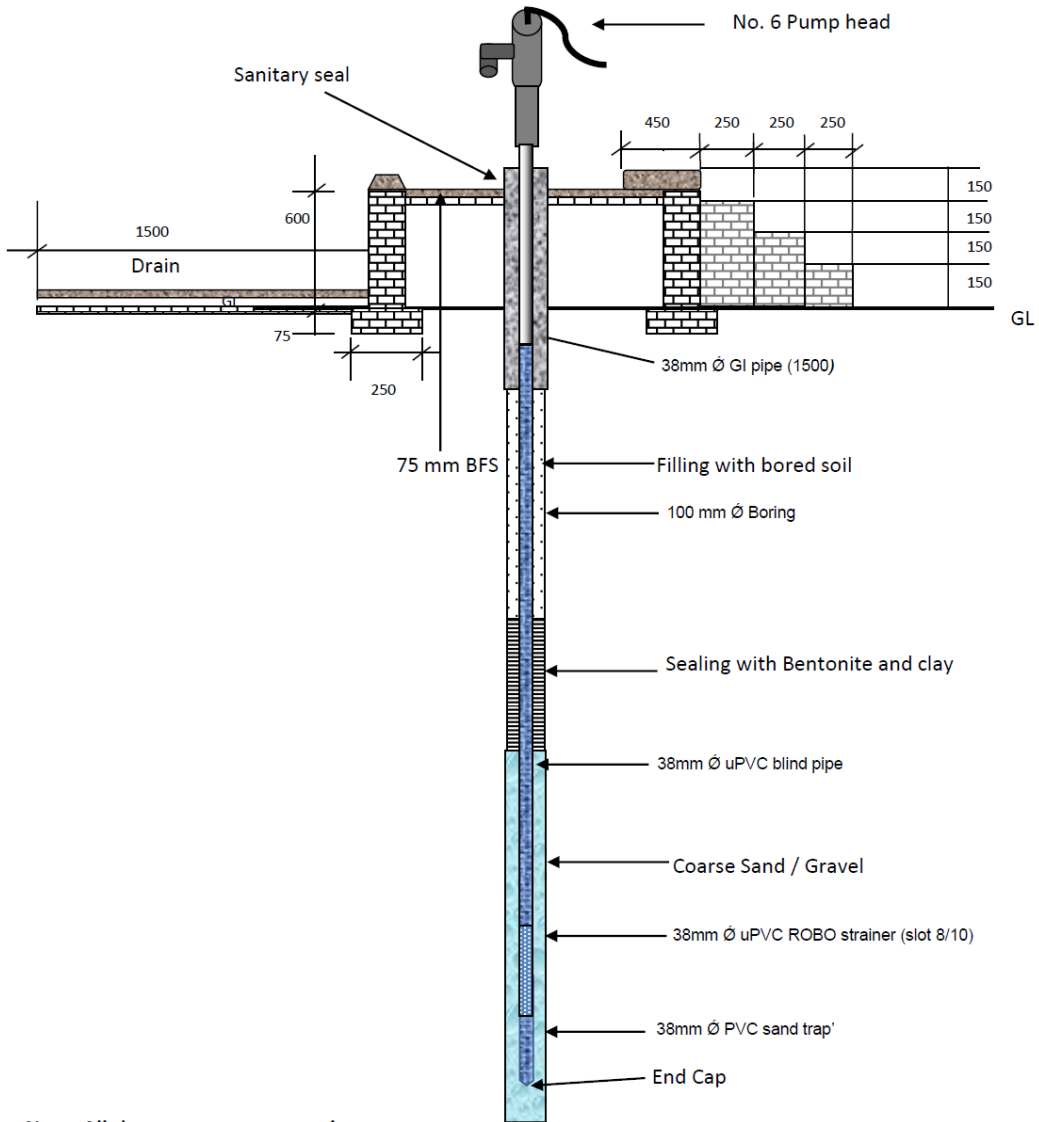


Drawing Title: Details of Septic Tank

**USAID's Ashroi Kendra
(Multi-Purpose Cyclone Shelter Project)
Save the Children**



Detail Drawing of Deep tube well -MPCS



Note: All the measurements are in mm

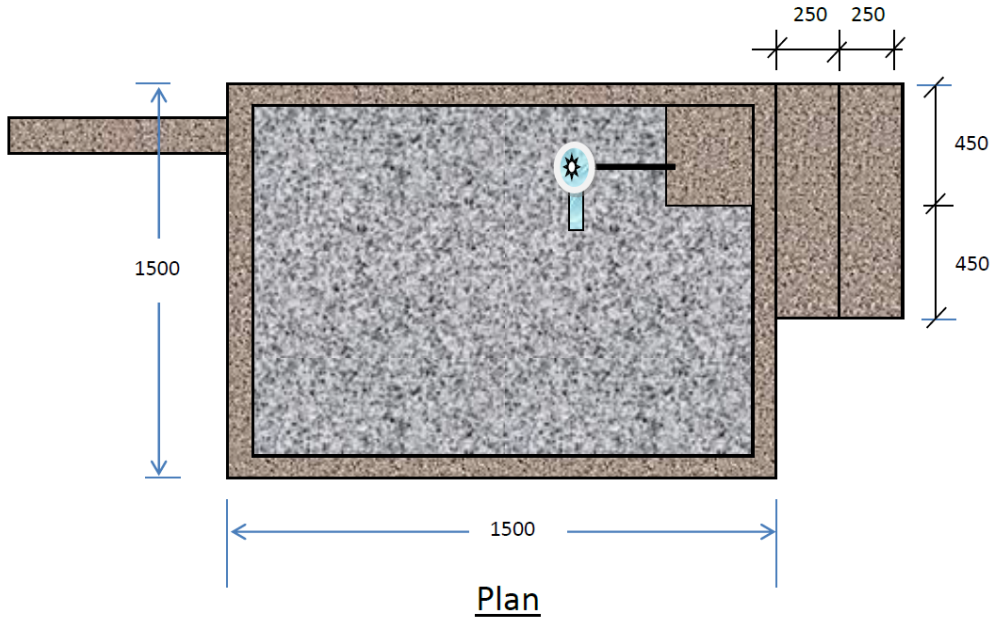
Section of Deep Tube Well

Drawing Title: Section of Deep Tube Well

USAID's Ashroi Kendra
(Multi-Purpose Cyclone Shelter Project)
Save the Children



Detail Drawing of Deep tube well - MPCS

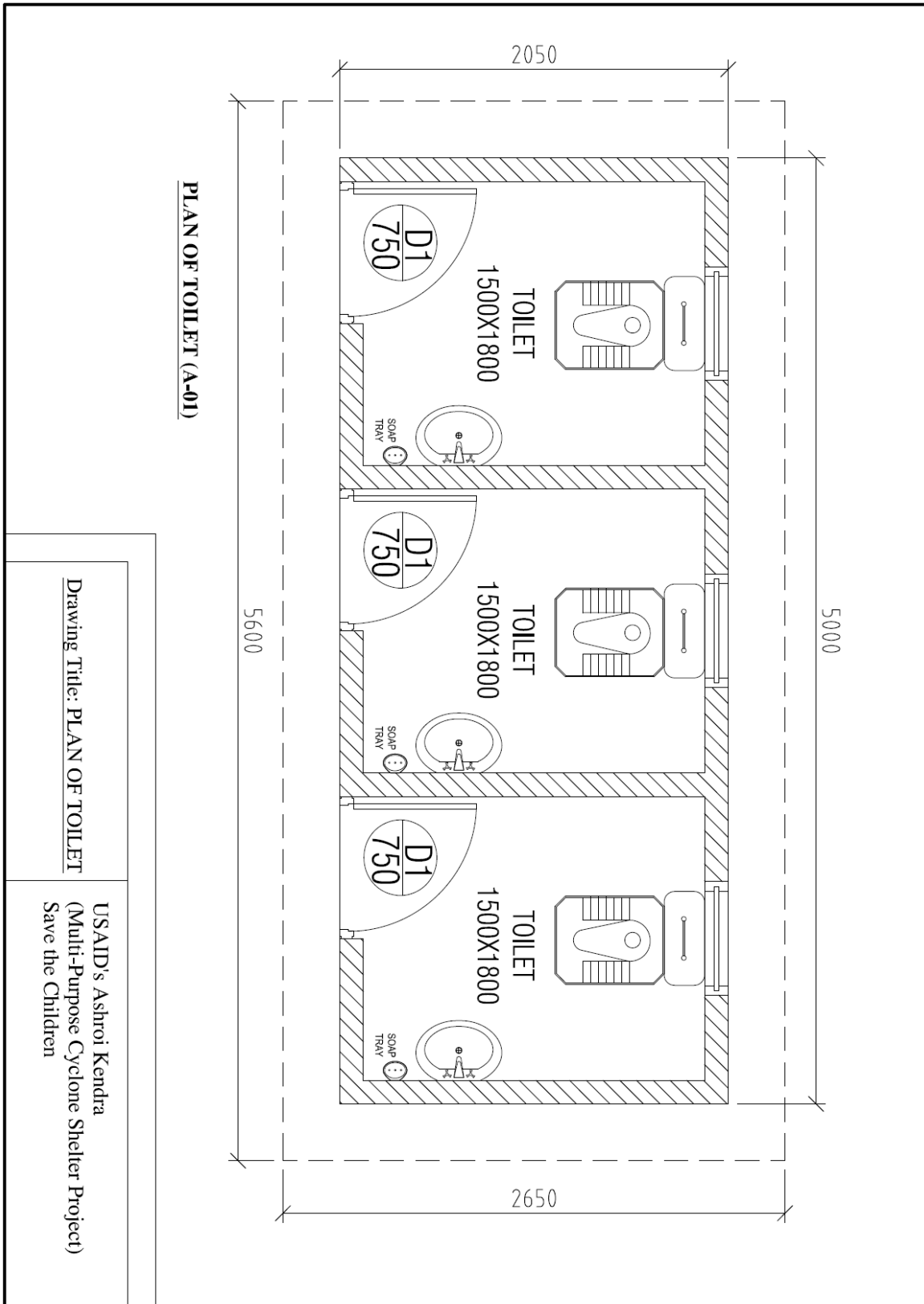


Note: All the measurements are in mm

Drawing Title: Plan of Deep Tube Well Platform

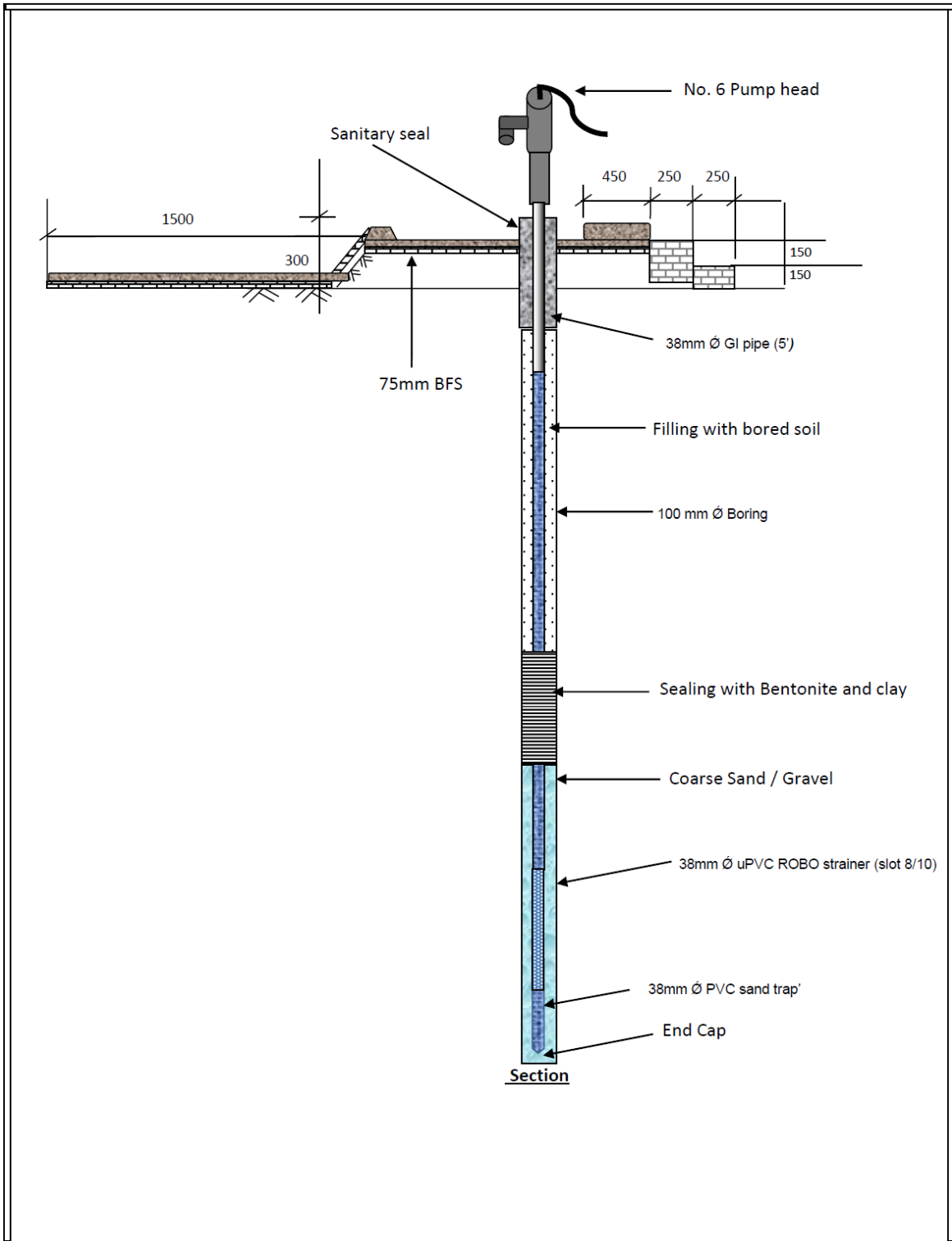
USAID's Ashroi Kendra
(Multi-Purpose Cyclone Shelter Project)
Save the Children





PLAN OF TOILET (A-01)

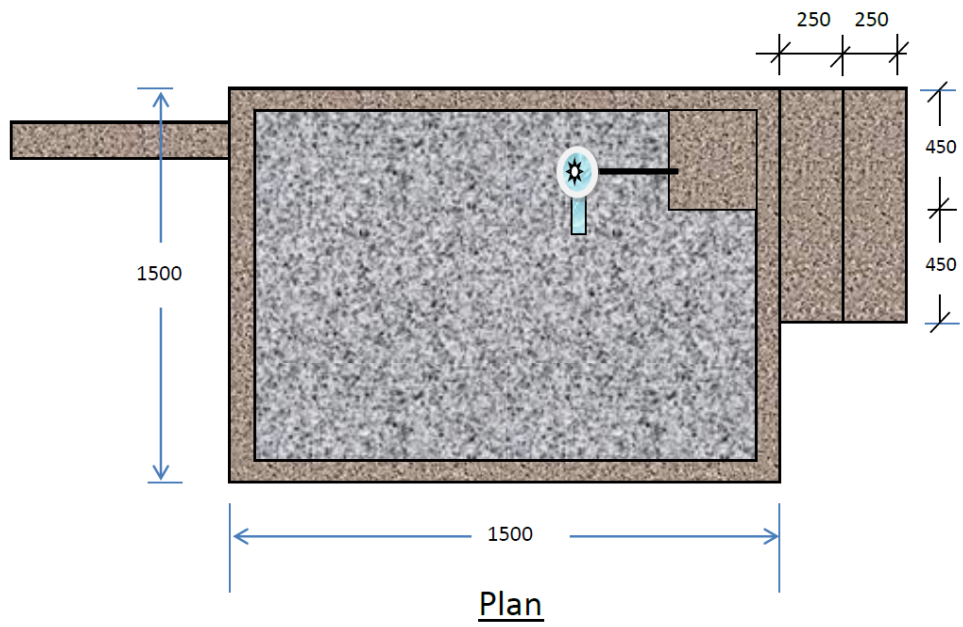
<p>Drawing Title: PLAN OF TOILET</p>	<p>USAID's Ashroi Kendra (Multi-Purpose Cyclone Shelter Project) Save the Children</p>
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Drawing Title: Section of Deep Tube Well

USAID's Ashroi Kendra
 (Multi-Purpose Cyclone Shelter Project)
 Save the Children

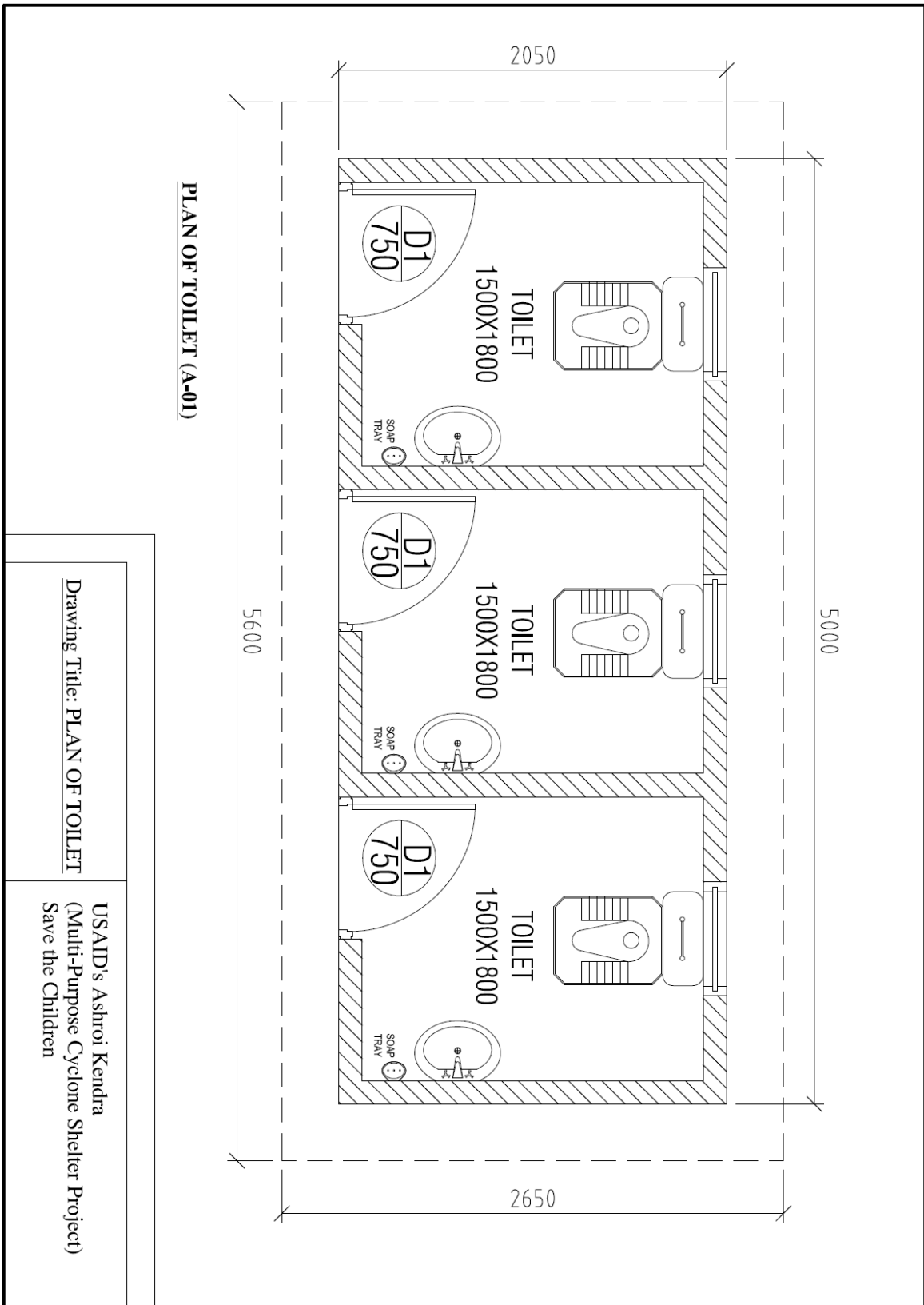




Drawing Title: Plan of Deep Tube Well

USAID's Ashroi Kendra
 (Multi-Purpose Cyclone Shelter Project)
 Save the Children





FORMAT

LOGO

[Insert Full Contact Details of the Procuring Entity]

Commencement of Works

Office Memo No:

Date:

To:

[Name of Contractor]

[Address]

Contract Reference:

Pursuant to GCC Sub Clause 19 of the above mentioned Contract Agreement, this is to notify you that the following precedent conditions have been duly fulfilled:

- (i) the Contract Agreement has been signed;
- (ii) the possession of the Site has been given; and

You are therefore requested to:

1. Commence execution of the Works, in accordance with GCC Clause 18, within *(specify date)*;
2. Submit Programme of Works, in accordance with GCC Sub Clause 21, within *(specify date)*

Signed

Duly authorised to sign for and on behalf of *[name of Procuring Entity]*

Date:



FORMAT

LOGO

[Insert Full Contact Details of Issuing Authority]

Office Memo no: _____

Date: _____

COMPLETION CERTIFICATE

01	Procuring Entity Details		
	(a) Division	:	
	(b) Circle/Directorate	:	
	(c) Zone/Region	:	
	(d) Others (<i>specify</i>)	:	
02	Name of Works	:	
03	Contract No	:	
04	Contractor's Legal Title	:	
05	Contractor's Contact Details	:	
06	Contractor's Trade License/Enlistment/Registration Details	:	
07	Reference to NOA with Date	:	
08	Original Contract Price as in NOA	:	
09	Final Contract Price as Executed	:	
10	Original Contract Period		
	(a) Date of Commencement	:	
	(b) Date of Completion	:	
11	Actual Implementation Period		
	(a) Date of Actual Commencement	:	
	(b) Date of Actual Completion	:	
12	Days/Months Contract Period Extended	:	
13	Amount of LD for Delayed Completion	:	
14	Physical Progress in Percent (<i>in terms of value</i>)	:	
15	Financial Progress in Amount (<i>in terms of payment</i>)	:	
16	Special Note (<i>if any</i>)	:	

Details of Works Executed

No	Major Components of Works	Total Value (in Lac Taka)

Certified that the Works under the Contract has been executed and completed in all respects in strict compliance with the provisions of the Contract including all plans, designs, drawings, specifications and all modifications thereof as per direction and satisfaction of the Project Manager/Engineer-in Charge/Other (*specify*). All defects in workmanship and materials reported during construction have been duly corrected.

Name and Signature of the Issuing Authority with Designation



Appendix-1: COMPLAINS & APPEAL

Submission of Complaints & Appeal

Circumstances under which a formal complaint may be lodged against a Procuring Entity are outlined below, such as; -

1. failure to open the Tender as stated in the advertisement of Invitation for Tenders or improper conduct at the time of Tender opening,
2. mishandling of Tenders received from Persons resulting in the opening of one or more Tenders before the specified time that causes either a loss of confidentiality of the Tender or an actual failure to open a Tender at a public opening;
3. failure to open all Tenders which were received prior to the deadline for the submission of Tenders;
- 4 failure by the TEC to evaluate the Tenders in compliance with the evaluation criteria stated in the Tender Documents;
5. any attempt by the Procuring Entity to 'negotiate' with the successful Tenderer;
6. apprehended possible corrupt or collusive practices; and
7. perceived unfair or erroneous award of Contract.

Right to Complain

- (1) A Person shall submit his or her complaint in writing within seven (7) calendar days of becoming aware of the circumstances giving rise to the complaint.
- (2) In the first instance, the Person shall submit his or her complaint in writing to the concerned officer of the Procuring Entity (such as, the Project Director (PD), Project Manager (PM), Procurement Officer, Officer assigned for Procurement who issued the Tender or Proposal Document.
- (3) The officer concerned, specified in clause (2), shall consider the subject matter of the complaint and decide whether to reject the complaint or to take any corrective action.
- (4) The officer concerned shall, within five (5) working days of receipt of the complaint, issue a written decision to the Person, stating either the reasons for the rejection of the complaint or advising what corrective actions have been or will be taken, such as, issue of an addendum amending unacceptable provisions in the Tender or Proposal Documents.
- (5) If the Person is not satisfied with the written decision, taken under clause (4), and wishes to pursue his or her complaint, he may address the same complaint to the Head of the Procuring Entity to appeal within three (3) working days after expiry of the fifth day of submission of complaint. The decision of the Head of the Procuring Entity is final.



Appendix-2: Save the Children's Child Safeguarding Policy

Our values and principles

Child abuse is when anyone under 18 years of age is being harmed or isn't being looked after properly. The abuse can be physical, sexual, emotional or neglect. The abuse and exploitation of children happens in all countries and societies across the world. Child abuse is never acceptable.

It is expected that all who work with Save the Children are committed to safeguard children whom they are in contact with.

What we do

Save the Children is committed to safeguard children through the following means:

Awareness: Ensuring that all staff and those who work with Save the Children are aware of the problem of child abuse and the risks to children.

Prevention: Ensuring, through awareness and good practice, that staff and those who work with Save the Children minimise the risks to children.

Reporting: Ensuring that you are clear on what steps to take where concerns arise regarding the safety of children.

Responding: Ensuring that action is taken to support and protect children where concerns arise regarding possible abuse.

To help you clarify our safeguarding approach, we list here examples of behaviour which is prohibited. These include but are not limited to:

1. Hitting or otherwise physically assaulting or physically abusing children.
2. Engaging in sexual activity or having a sexual relationship with anyone under the age of 18 years regardless of the age of majority/consent or custom locally. Mistaken belief in the age of a child is not a defence.
3. Developing relationships with children which could in any way be deemed exploitative or abusive.
4. Acting in ways that may be abusive in any way or may place a child at risk of abuse.
5. Using language, making suggestions or offering advice which is inappropriate, offensive or abusive.
6. Behaving physically in a manner which is inappropriate or sexually provocative.
7. Sleeping in the same bed or same room as a child, or having a child/children with whom one is working to stay overnight at a home unsupervised.
8. Doing things for children of a personal nature that they can do themselves.
9. Condoning, or participating in, behaviour of children which is illegal, unsafe or abusive.



10. Acting in ways intended to shame, humiliate, belittle or degrade children, or otherwise perpetrate any form of emotional abuse.
11. Discriminating against, showing unfair differential treatment or favour to particular children to the exclusion of others.
12. Spending excessive time alone with children away from others.
13. Placing oneself in a position where one is made vulnerable to allegations of misconduct.

In order that the above standards of reporting and responding are met, **this is what is expected of you:**

If you are worried that a child or young person is being abused or neglected, (such as in points 1, 2, 3, 4, 6, 8, 9 and 10 above for example) or you are concerned about the inappropriate behaviour of an employee, or someone working with Save the Children, towards a child or young person, then you are obliged to:

- act quickly and get help
- support and respect the child
- where possible, ensure that the child is safe
- contact your Save the Children contact point (or their manager if necessary) with your concerns immediately
- keep any information confidential to you and the person you report this to.

If you want to know more about the Child Safeguarding Policy then please contact your Save the Children contact point.



Appendix- 3: Fraud, Bribery and Corruption Policy

Fraud, Bribery and Corruption Policy

Our values and principles

Save the Children has a “zero tolerance” policy towards fraud, bribery and corrupt practices (see definitions below).

All Save the Children employees, partners and vendors have a duty to protect the assets of Save the Children and to comply with relevant laws (including the UK Bribery Act 2010). Save the Children does not allow any partner, supplier, sub-contractor, agent or any individual engaged by Save the Children to behave in a dishonest manner while carrying out Save the Children’s work.

What we do

Save the Children is committed to preventing acts of fraud, bribery and corruption through the following means:

Awareness: Ensuring that all staff and those who work with Save the Children are aware of the problem of fraud, bribery and corruption.

Prevention: Ensuring, through awareness and good practice, that staff and those who work with Save the Children minimise the risks of fraud, bribery and corruption.

Reporting: Ensuring that all staff and those who work with Save the Children are clear on what steps to take where concerns arise regarding allegations of fraud, bribery and corruption.

Responding: Ensuring that action is taken to support and protect assets and identifying cases of fraud, bribery and corruption.

To help you identify cases of fraud, bribery and corruption, some examples have been set out below, however this list is not exhaustive. If in doubt, contact your Save the Children representative or email scifraud@savethechildren.org:

a) Paying or Offering a Bribe – where a person improperly offers, gives or promises any form of material benefit or other advantage, whether in cash or in kind, to another in order to influence their conduct in any way.

b) Receiving or Requesting a Bribe – where a person improperly requests, agrees to receive or accepts any form of material benefit or other advantage, whether in cash or in kind, which influences or is designed to influence the individual’s conduct in any way.

c) Receiving or Paying a so-called ‘Grease’ or ‘Facilitation’ payment – where a person improperly receives something of value from another party for performing a service or other action that they were required by their employment to do anyway.



d) Nepotism or Patronage – where a person improperly uses their employment to favour or materially benefit friends, relatives or other associates in some way. For example, through the awarding of contracts or other material advantages.

e) Embezzlement - where a person improperly uses funds, property, resources or other assets that belong to an organisation or individual.

f) Receiving a so-called 'Kickback' Payment – where a person improperly receives a share of funds, a commission, material benefit or other advantage from a supplier as a result of their involvement in a corrupt bid or tender process.

g) Collusion – where a person improperly colludes with others to circumvent, undermine or otherwise ignore rules, policies or guidance.

h) Abuse of a Position of Trust – where a person improperly uses their position within their organisation to materially benefit themselves or any other party.

i) Conflict of interest - where an individual knowingly has an undisclosed business interest in an entity involved in a commercial relationship with Save the Children.

j) Procurement fraud - where an individual engages in any dishonest behaviour relating to procurement or tendering process, e.g. falsely created bids or quotes.

k) Supply chain fraud - where an individual misdirects or steals goods, forges stock records, or creates fictitious companies through which to channel payments.

In order that the above standards of reporting and responding are met, **this is what is expected of you:**

You have a duty to protect the assets of Save the Children from any form of dishonest behaviour. Furthermore, you must immediately report any suspicion of fraud, bribery or corruption to Save the Children. Failure to report will be treated as serious and may result in termination of any agreement with Save the Children.

You are obliged to:-

- act quickly and get help through the channels mentioned below
- encourage your own staff to report on fraud, bribery and corruption
- contact a member of the Save the Children senior management team, (which includes the Country Director) and/or the Save the Children Head of Fraud Management at scifraud@savethechildren.org with the concerns immediately
- keep any information confidential between you and the person you report this to.

Attempted fraud, bribery and corruption is as serious as the actual acts and will be treated in the same way under this policy.

If you want to know more about the Fraud, Bribery and Corruption Policy then please contact your Save the Children representative.



Appendix - 4: IAPG Code of Conduct

PART 6: CODE OF CONDUCT FOR IAPG AGENCIES AND SUPPLIERS

Suppliers and manufacturers to Non-Governmental Organisations (NGO's) should be aware of the Code of Conduct initiatives that the Inter-Agency Procurement Group (IAPG) support. This information is to advise you, our suppliers, of the Corporate Social Responsibility (CSR) element in our supplier relationships.

- Goods and services purchased are produced and developed under conditions that do not involve the abuse or exploitation of any persons.
- Goods produced and delivered by organisations subscribe to no exploitation of children
- Goods produced and manufactured have the least impact on the environment

Code of Conduct for Suppliers:

Goods and services are produced and delivered under conditions where:

- Employment is freely chosen
- The rights of staff to freedom of association and collective bargaining are respected.
- Living wages are paid
- There is no exploitation of children
- Working conditions are safe and hygienic
- Working hours are not excessive
- No discrimination is practised
- Regular employment is provided
- No harsh or inhumane treatment of staff is allowed.

Environmental Standards:

Suppliers should as a minimum comply with all statutory and other legal requirements relating to environmental impacts of their business. Areas to be considered are:

- Waste Management
- Packaging and Paper
- Conservation
- Energy Use
- Sustainability

Business Behaviour:

IAPG members will seek alternative sources where the conduct of suppliers demonstrably violates anyone's basic human rights, and there is no willingness to address the situation within a reasonable timeframe.

IAPG members will seek alternative sources where companies in the supply chain are involved in the manufacture of arms or the sale of arms to governments which systematically violate the human rights of their citizens.

Qualifications to the statement

Where speed of deployment is essential in saving lives, IAPG members will purchase necessary goods and services from the most appropriate available source.

Disclaimer

This Code of Conduct does not supersede IAPG Members' individual Codes of Conduct. Suppliers are recommended to check the Agencies' own websites.



Appendix - 5: Certification Regarding Terrorism

We the hereby certifies that it has not provided and will not provide material support or resources to any individual or organization that it knows, has reason to know, is an individual or organization that advocates, plans, sponsors, engages in, or has engaged in an act of terrorism.

Signed

On behalf of the Contractor/Firm



Appendix - 6: Compliance with Anti-money laundering policy of Bangladesh Bank

Compliance with Anti-money laundering Policy of Bangladesh Bank

(Link : http://www.bangladesh-bank.org/aboutus/regulationguideline/aml/nov202013_ngo_guidelines.pdf)



Appendix - 7: Human Trafficking and Modern Slavery Policy

Our values and principles

Save the Children does not allow any partner, supplier, sub-contractor, agent or any individual engaged by Save the Children to engage in human trafficking or modern slavery.

This policy applies to all persons working for us or on our behalf in any capacity, including employees at all levels, directors, officers, agency workers, seconded workers, volunteers, interns, agents, contractors, external consultants, third-party representatives and business partners.

What is human trafficking and modern slavery?

The Modern Slavery Act (MSA) 2015 covers four activities:

Slavery	Exercising powers of ownership over a person
Servitude	The obligation to provide services is imposed by the use of coercion
Forced or compulsory labour	Work or services are exacted from a person under the menace of any penalty and for which the person has not offered themselves voluntarily
Human trafficking	Arranging or facilitating the travel of another person with a view to their exploitation

Modern slavery, including human trafficking, is a crime and a violation of fundamental human rights. It takes various forms, such as slavery, servitude, forced and compulsory labour and human trafficking, all of which have in common the deprivation of a person's liberty by another in order to exploit them for personal or commercial gain. We have a zero-tolerance approach to modern slavery and we are committed to acting ethically and with integrity in all our business dealings and relationships and to implementing and enforcing effective systems and controls to ensure modern slavery is not taking place anywhere in our own business or in any of our supply chains.

We are also committed to ensuring there is transparency in our own business and in our approach to tackling modern slavery throughout our supply chains, consistent with our national and international disclosure obligations, and shall comply with all applicable laws, statutes, regulations and codes from time to time in force, including:

- UK Modern Slavery Act 2015 (see above);
- US Trafficking Victims Protection Act 2000;
- USAID ADS 303 Mandatory Standard Provision, Trafficking in Persons (July 2015); and
- International Labour Standards on Child Labour and Forced Labour.

Our approach to preventing human trafficking and modern slavery

Save the Children is committed to preventing human trafficking and modern slavery, including through the following means:

Awareness: Ensuring that all staff and those who work with Save the Children are aware of the problem of human trafficking and modern slavery.

Prevention: Ensuring, through awareness and good practice, that staff and those who work with Save the Children minimise the risks of human trafficking and modern slavery.

Reporting: Ensuring that all staff and those who work with Save the Children are clear on what steps to take where concerns arise regarding allegations of human trafficking and modern slavery.

Responding: Ensuring that action is taken to identify and address cases of human trafficking and modern slavery.

To help you identify cases of human trafficking and modern slavery, the following are examples of prohibited categories of behaviour:



- a. **'chattel slavery'**, in which one person owns another person.
- b. **'Bonded labour' or 'debt bondage'**, which is when a person's work is the security for a debt – effectively the person is on 'a long lease' which they cannot bring to an end, and so cannot leave their 'employer'. Often the conditions of employment can be such that the labourer can't pay off their debt and is stuck for life, because of low wages, deductions for food and lodging, and high interest rates.
- c. **'Serfdom'**, which is when a person has to live and work for another on the other's land.
- d. **Other forms of forced labour**, such as when passports are confiscated (sometimes by unscrupulous recruitment agencies) from migrant workers to keep them in bondage, or when a worker is 'kept in captivity' as a domestic servant. If a supplier or contractor appears to impose excessively harsh working conditions, or excessively poor wages, then you should always be alive to the possibility that a form of forced labour is occurring, and take care with your due diligence.
- e. **'Child slavery'**, which is the transfer of a young person (under 18) to another person so that the young person can be exploited. Child labour may, in fact, be a form of child slavery, and should not be tolerated. See the Save the Children Child Safeguarding Policy for further details.
- f. **'Marital and sexual slavery'**, including forced marriage, the purchase of women for marriage, forced prostitution, or other sexual exploitation of individuals through the use or threat of force or other penalty.

The commitment we expect from commercial partners

We expect the same high standards from all of our contractors, suppliers and other business partners, and as part of our contracting processes, we may include specific prohibitions against the use of forced, compulsory or trafficked labour, or anyone held in slavery or servitude, whether adults or children, and we expect that our suppliers will hold their own suppliers to the same high standards.

Please contact your Save the Children representative if you have further questions.



Appendix - 8: Contractors' Obligations to comply Environmental, Health and Safety (EHS) requirements

(As per the requirements Environmental Mitigation and Monitoring Plan of Ashroi Kendra)

Civil repairing and refurbishing works:

- Proper dust control measures will be taken by the contractors (e.g. sprinkling water, conducting dismantling work one by one in closed room/outside of school hours, using restricted entry signage/demarcation around worksites, use of masks during work)
- As mitigation measures for noise control, contractors will do dismantling work one by one in closed rooms/outside of school hours, use restricted entry signage/demarcation around worksites, use of ear-plugs during work.
- Contractors will dig pits in defined locations with the consultation of the School Management Committee (SMC) to dump the construction debris. School Management Committee (SMC) may use the construction debris (concrete cement materials) in muddy small spaces to elevate them.
- Contractors will not dispose of any construction waste water in any open place. Contractors will define a place to dig pits in consultation with School Management Committee (SMC) to dispose construction waste water.
- Contractors' workers will use all required Personal Protective Equipment (PPE) (e.g. earplugs, masks, safety helmets, safety boots, and harness belts) during the work.
- Construction supervisor of the contractors will conduct regular toolbox talks on Environmental, Health and Safety (EHS) issues before the workers start their work.
- Contractors will ensure first aid box, safe drinking water and sanitation facilities for the workers at all of the work sites.

Activity relating to boundary wall of the cyclone shelters/ schools:

- Workers will use all the required Personal Protective Equipment (PPE)
- Construction materials will be stocked at defined and demarcated places. Precautionary signage (e.g. entry restricted to work site) will be erected/ placed at the work sites.
- Contractors will sprinkle water, and keep the construction materials covered to control dust.
- Contractors will not dispose of construction-related waste water in any open space. This can be disposed of in a defined pit
- The work will not impede any of the water bodies, or no natural water bodies will be filled to construct the boundary wall
- Safe drinking water and sanitation facilities and first aid box and fire will be ensured for the workers at work sites.

Activities for equitable access to sanitation and water facilities in cyclone shelters enhanced:

Repairing or refurbishing of existing Water, Sanitation and Hygiene (WASH) blocks and extension of Water, Sanitation and Hygiene (WASH) blocks

- Contractors will ensure demarcation and precautionary signage in the work sites
- Contractor's workers will use required Personal Protective Equipment (PPE)
- Contractor will ensure first aid box, safe drinking water and sanitation facilities for the workers.

Repairing/refurbishing or extension of toilets

- Contractors will ensure demarcation and precautionary signage in the work sites
- Contractor's workers will use required Personal Protective Equipment (PPE)
- Contractor will ensure first aid box, safe drinking water and sanitation facilities for the workers.



Repairing tap water supply systems or repairing existing tube wells

- Contractors will test for arsenic, faecal coliform, salinity and iron from Department of Public Health Engineering (DPHE) laboratory and submit to Save the Children International (SCI) before handing over the water points/ system
- Contractor's workers will use required Personal Protective Equipment (PPE)
- Contractor will ensure first aid box, safe drinking water and sanitation facilities for the workers.

Installing new tube wells/ring wells with additional water pumps (if needed)

- Contractors will test for arsenic, faecal coliform, salinity and iron from Department of Public Health Engineering (DPHE) laboratory and submit to Save the Children International (SCI) before handing over the water points/ system
- Contractor's workers will use required Personal Protective Equipment (PPE)
- Contractor will ensure first aid box, safe drinking water and sanitation facilities for the workers
- Contractors will use well-accepted drilling fluid/mud (e.g. bentonite) for drilling purposes.
- Contractors will ensure proper precautionary and safety measures during work (e.g. demarcating, safety signage).

Other activities:

Raising the school ground (if needed)

- Contractors will preserve the top soil (15 cm of upper layer of the land) and replace it in the same areas after collection of soil
- As erosion control measures, proper compaction/turfing will be conducted
- To control dust, water will be sprinkled around the site. The workers will use masks as well
- Demarcation, safety signage will be ensured. There will be a first aid box in all types of work sites, and safe drinking water and sanitation facilities will be ensured for the workers.

Repairing of approach roads towards cyclone shelters/ schools

- Contractors will preserve the top soil (15 cm of upper layer of the land) and replace it in the same areas after collection of soil
- As erosion control measures, proper compaction/turfing will be conducted
- To control dust, water will be sprinkled around the site. The workers will use masks as well
- Demarcation, safety signage will be ensured. There will be a first aid box in all types of work sites, and safe drinking water and sanitation facilities will be ensured for the workers.



Appendix-9

BIDDER RESPONSE DOCUMENT FOR REPAIRING OR REFURBISHMENT WORKS

FOR SAVE THE CHILDREN INTERNATIONAL

Bangladesh
February 2020



BIDDER RESPONSE DOCUMENT

1. INTRODUCTION

This Schedule is to be used by Bidders wishing to submit a response to this Tender Process. The Bidder Response is split into the 5 parts detailed below, all of which correspond to the Evaluation Criteria referenced in the Invitation to Tender.

- Part1 - Key information
- Part 2 - Tender Lot Participate
- Part 3 - Pre-Bid Meeting & Clarification
- Part 4 – Qualification Criteria
- Part 5 - Essential Criteria
- Part 6 – Technical & Financial Evaluation
- Part 7 – Commercial Offer Summary
- Part 8 - Bid Submission & Opening
- Part 9 – Other Terms & Conditions
- Part 10 - Supplier Declarations & Checklist

At the end of the Bidder Response Document is a checklist. This should be completed by the Bidder prior to submitting their response to ensure all the relevant information and supporting documents have been included in the response.

The Bidder is required to sign a copy of the Check list as part of their submission.

2. INSTRUCTIONS

Where a response is required from a Bidder instructions and commentary is provided to illustrate what Save the Children expects and requires. The guidance provided details the **MINIMUM** requirements expected by Save the Children. If a Bidder wishes to add further information which it believes is relevant, this is acceptable but the additional information should be limited to only items which are relevant to the tender.

- For the avoidance of doubt, potential suppliers are required to complete all items within the Bidder Response Document unless clear instruction is provided otherwise.
- If a Bidder does not complete the entire Bidder Response document, their submission will be declared void.
- If a Bidder is unable to complete any element of the Bidder Response Document, they should contact Save the Children through the appropriate channels for guidance.

By submitting a response, the potential supplier confirms that all information provided can be relied upon for validity and accuracy.



PART 1 – KEY INFORMATION

KEY INFORMATION			
Organisation Name			
Please provide details of the goods / services your organisation supplies			
Address	Main Address		
Trade License Number		Tax Number	
BIN / VAT Number		Year of Registration	
KEY CONTACT DETAILS			
	Primary Contact	Secondary Contact <i>(if different)</i>	Emergency Contact <i>(if different)</i>
Name			
Job Title			
Phone / Mobile			
Email			
Address			
REFERENCES			
<i>Please provide details of other clients which may be contacted for Save the Children to contact.</i>			
	Reference 1	Reference 2	Reference 3
Company Name			
Contact Name			
Job Title			
Email Address			
Telephone Number			
Address			
Description of Services Provided to Supplier			
OTHER KEY INFORMATION			

Do you have any ongoing or closed litigation history	
---	--

PART 2 – TENDER LOT PARTICIPATE

Sl No	Lot No	Site No	Site Name	Upazilla / Union	Participated
1	1	A	Repairing/Refurbishing of Uttor Lemshikhali GPS	Kutubdia	
2	1	B	Repairing/Refurbishing of Tabaler Char Govt. Primary School	Kutubdia	
3	1	C	Repairing/Refurbishing Kazi Helal GPS, Kutubdia	Kutubdia	
4	2	A	Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS	Pekua	
5	2	B	Repairing/Refurbishing of Moddho Mognama GPS	Pekua	
6	2	C	Repairing/Refurbishing of Uttar Mognama GPS	Pekua	
7	2	D	Repairing/Refurbishing of Nondirpara GPS	Pekua	
8	3	A	Repairing/Refurbishing of Baishpari	Naikhongchari	
9	3	B	Repairing/Refurbishing of Sonaichori	Naikhongchari	
10	3	C	Repairing/Refurbishing of Thuihlaong para	Naikhongchari	
11	4	A	Repairing/Refurbishing of Shabek Bilchori GPS	Lama	
12	4	B	Repairing/Refurbishing of Kalingabil GPS	Lama	
13	4	C	Repairing/Refurbishing of Yangchamukh Headmanpara GPS	Lama	
14	4	D	Repairing/Refurbishing of Sipahi Habibur Rahman GPS	Lama	
15	5	A	Repairing/Refurbishing of Tarabunia Shofiul Alam GPS	Alikadam	



16	5	B	Repairing/Refurbishing of Cholkhong Tripura GPS	Alikadam	
17	5	C	Repairing/Refurbishing of Asoti Tripura Para GPS	Alikadam	



PART 3– PRE-BID MEETING & CLARIFICATION

The Pre- Tender meeting shall be held according to following Date, Time & Place:

Primary Location:

- 1) March 01, 2020 at 3:00 PM at Save the Children Dhaka office, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh.

Secondary Location:

- 2) February 25, 2020 at 10:30 AM at Kutubdia Upazila Hall Room, Kutubdia and Pekua: at 3:00 PM Mukti Cox's Bazar Office, House of Shahnaz Begum (1st Floor), Adrosho Mohila Madrasha Road (Opposite of Bureau Bangladesh), Pekua, Cox's Bazar.
- 3) February 26, 2020 at 11:00 AM at Alikadam: Green Hill Office, Palong Para, Pan Bazar Thanchi Road, Alikadam and Lama: at 3:00 PM, Green Hill Office, Modhujhiri (Near Ansar VDP office), Lama.
- 4) February 27, 2020 at 10:30 AM at Naikhongchari: Upazila Hall Room, Naikhongchari, Bandarban.

(Meeting minutes also will be available at <http://procurement.scibd.info/> on March 02, 2020)

For **clarification of Tender Document purposes** only:

Attention: Senior Manager

Address: Procurement & Supply Chain, Save the Children, House No. CWN (A) 35, Road No. 43, Gulshan – 2, Dhaka -1212.

Telephone: +88-09612555333

e-mail address: rakib.ahmed1@savethechildren.org

and contact Procuring Entity within March 01, 2020

Note: IFT soft copy and further update please keep follow the link; <http://procurement.scibd.info/>
Downloaded copy is acceptable for tender participation



PART 4 – QUALIFICATION CRITERIA

Tenderer are required to have following minimum experience to qualify for this tender -

Years of Experience	The minimum number of years of general experience of the Tenderer in the construction works shall be three (3) years.
Minimum Experience	<p>The minimum experience in construction/Repairing/Refurbishing works of at least two (2) contract(s) successfully completed within the last five (5) years, each with a value of at</p> <p>Tk. 6,000,000 for Lot-1 Tk. 4,000,000 for Lot-2 Tk. 3,000,000 for Lot-3 Tk. 3,500,000 for Lot-4 Tk. 2,500,000 for Lot-5</p> <p>Note: If anyone bid for multiple Lots in that case any bidder complying for higher value lot will be eligible for the lower value lot(s) also.</p>
Annual Turnover	<p>The required average annual turnover shall be greater than the amount mentioned on lot basis below over any two (2) years out of last five (5) years.</p> <p>Tk. 11,000,000 for Lot-1 Tk. 7,000,000 for Lot-2 Tk. 5,500,000 for Lot-3 Tk. 6,500,000 for Lot-4 Tk. 5,000,000 for Lot-5</p> <p>Note: If anyone bid for multiple Lots in that case any bidder complying for higher value lot will be eligible for the lower value lot(s) also.</p> <p>*PO/Contract/Completion Certification with value/Audit Report should be submitted as proof of turnover.</p>
Liquid Assets	<p>The minimum amount of liquid assets i.e. working capital or credit line(s) of the Tenderer shall be:</p> <p>Tk. 7,500,000 for Lot-1 Tk. 4,500,000 for Lot-2 Tk. 3,500,000 for Lot-3 Tk. 4,000,000 for Lot-4 Tk. 3,000,000 for Lot-5</p> <p>Note: If anyone bid for multiple Lots in that case summation value will be applicable.</p> <p>Bank Statement/Balance Certificate/Credit facilities should be submitted as proof for liquid asset. The documents should be issued and valid during tender period.</p>



Key Personnel	<p>The following key personnel shall have the qualifications and experience mentioned against each Lot:</p> <table border="1" data-bbox="446 241 1385 604"> <thead> <tr> <th data-bbox="446 241 557 359">Lot No</th> <th data-bbox="557 241 792 359">Position</th> <th data-bbox="792 241 1385 359">Experience in construction/Repairing/Refurbishing works (Minimum, Years)</th> </tr> </thead> <tbody> <tr> <td data-bbox="446 359 557 409">1</td> <td data-bbox="557 359 792 409">Site engineer</td> <td data-bbox="792 359 1385 409">3 years</td> </tr> <tr> <td data-bbox="446 409 557 459">2</td> <td data-bbox="557 409 792 459">Site engineer</td> <td data-bbox="792 409 1385 459">3 years</td> </tr> <tr> <td data-bbox="446 459 557 510">3</td> <td data-bbox="557 459 792 510">Site engineer</td> <td data-bbox="792 459 1385 510">3 years</td> </tr> <tr> <td data-bbox="446 510 557 560">4</td> <td data-bbox="557 510 792 560">Site engineer</td> <td data-bbox="792 510 1385 560">3 years</td> </tr> <tr> <td data-bbox="446 560 557 604">5</td> <td data-bbox="557 560 792 604">Site engineer</td> <td data-bbox="792 560 1385 604">3 years</td> </tr> </tbody> </table> <p>Note: If anyone bid for multiple Lots in that case multiple site engineers as per the number of lots applied will be required to be eligible.</p>	Lot No	Position	Experience in construction/Repairing/Refurbishing works (Minimum, Years)	1	Site engineer	3 years	2	Site engineer	3 years	3	Site engineer	3 years	4	Site engineer	3 years	5	Site engineer	3 years
Lot No	Position	Experience in construction/Repairing/Refurbishing works (Minimum, Years)																	
1	Site engineer	3 years																	
2	Site engineer	3 years																	
3	Site engineer	3 years																	
4	Site engineer	3 years																	
5	Site engineer	3 years																	
Site Visit Report	Tenderers are recommended to visit Site visit before offer submission. Site visit report submission is not mandatory.																		



Tenderer Details Against Qualification Criteria:

Years of Construction/ Repairing / Refurbishing works Experience	<input type="checkbox"/> Less than 3 Years or <input type="checkbox"/> More than 3 Years				
Years of Construction/ Repairing / Refurbishing works Experience (Minimum 2 required against offered bid)	Sl	Contract Awarded by	Lot No's	Contract Value	Completion Year
	1				
	2				
	3				
	4				
Annual Revenue (\$)	2018-2019		2017-2018		2016-2017
Years of Construction/ Repairing / Refurbishing works Experience	Sl	Bank Name	Amount	Date	
	1				
	2				
Details of Site Engineers	Sl	Engineer Name	Highest Qualification	Years of Experience	
	1				
	2				
	3				
	4				
	5				
Tender Security (Tender can submit single or cumulative Tender security)	Lot	Bank Name	Security Amount	Date	
	1		300,000 BDT		
	2		200,000 BDT		
	3		150,000 BDT		
	4		150,000 BDT		
	5		100,000 BDT		

Note: Supporting document should be provided separately.



PART 5: ESSENTIAL CRITERIA

Item	Question	Bidder Response	
1	Supplier accepts Save the Children's 'Terms and Conditions of Purchase' included within Appendix 1 of the ITT, and that any work awarded from this tender process will be completed under the attached 'Terms and Conditions of Purchase'.	Yes / No	Comments / Attachments
		Yes	
2	<p>The Supplier and its staff (and any sub-contractors used) agree to comply with SCI and the IAPG's policies and code of conducts listed below, throughout this tender process and during the term of any contract awarded.</p> <p>1) Child Safeguarding Policy 2) Anti-Fraud, Bribery & Corruption Policy 3) Slavery & Human Trafficking Policy 4) IAPG Code of Conduct 5) Conditions of Tendering</p>	Yes / No	Comments
		Yes	
4	The Supplier confirms it is not on any prohibited parties or Government Blacklist.	Yes / No	Comments
		No	
5	<p>The Supplier confirms it is fully qualified, licensed and registered to trade with Save the Children (including compliance with all relevant local Country legislation).</p> <p>This includes the Supplier submitting the following evidence (where applicable):</p> <ul style="list-style-type: none"> - Trade License - TIN certificate - BIN / VAT certificate 	Yes / No	Comments
		Yes	
		Requirement	Bidder Response / Attachments
		<i>Trade License</i>	Yes
		<i>TIN Certificate</i>	Yes
		<i>BIN / VAT Certificate</i>	Yes



PART 6 – TECHNICAL & FINANCIAL EVALUATION

Award of the contract will be based on the following criteria:

CAPABILITY CRITERIA (50% weightage)

The following criteria are considered very important in the evaluation of this tender

Sl. no	Technical Evaluation criteria (Minimum criteria for full mark; others less than minimum will get proportionate marking)	Assigned score
1	Delivery Lead time from PO/Contract (Full Score –by 4 Months – 10, 4.5 Months - 7, 5 Months – 5, More than 5 Months – 0)	10
2	Size/turnover of organization The required average annual turnover shall be greater than the amount mentioned on lot basis below over any two (2) years out of last five (5) years. 25 Marks – More than Lot wise requirement X 2 (Two times), 15 Marks – Lot wise Requirement (Reference: Purchase Order/Contract/ Completion Certificate with value/Audit Report) Lot wise minimum requirement – Tk. 11,000,000 for Lot-1 Tk. 7,000,000 for Lot-2 Tk. 5,500,000 for Lot-3 Tk. 6,500,000 for Lot-4 Tk. 5,000,000 for Lot-5 If anyone bid for multiple Lots in that case evaluation will be considered for cumulative value of the applied lots	25
3	Reference Work order/Purchase Order/Contract/Completion Certificate with value 25 Marks – 4 Purchase order meeting lot wise requirement, 18 Marks – 3 Purchase order meeting lot wise requirement, 10 Marks – 2 Purchase order meeting lot wise requirement Lot wise minimum requirement – Tk. 6,000,000 for Lot-1 Tk. 4,000,000 for Lot-2 Tk. 3,000,000 for Lot-3 Tk. 3,500,000 for Lot-4 Tk. 2,500,000 for Lot-5 Construction/Repairing/Refurbishing works successfully completed within the last five (5) years. If anyone bid for multiple Lots in that case evaluation will be considered for highest value applied lot	25
4	Relevant experience in Construction/Refurbishing works in Chittagong Division : 3 Year – 10, 4 Years – 15 & 5 years or above - 20	20
5	Client List/Organization Reference: (Category of Organization) I. INGO/NGO/UN/Development organizations/ GoB/Donor Agency/Embassy II. Multinational Companies/Local corporate/International Organization/ Hospital III. Banks & reputed Financial Institutions (20 points for ≥ 10 clients and each client 2 points). <u>Need to submit the purchase order/reference with contact details as supporting document</u>	20
Total		100

COMMERCIAL CRITERIA

Cost factor-pricing (50 % weightage)

SELECTION METHOD:

Highest Ranking Evaluated bidder's will be selected based on meeting eligible criteria and combine score of Capability & Commercial criteria.



Tenderer Details Against Capability Criteria:

No.	Capability Criteria	Supplier Response					
1	Delivery Lead time from PO/Contract Award	Lot Number	Proposed Completion time (in months)				
		1					
		2					
		3					
		4					
		5					
2	Annual average Turn Over for any two years out of Last five years in BDT	Lot	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
		Total					
3	Reference Work Order (Highest Value)	Sl	Contract Awarded by		Contract Value	Completion Year	
		1					
		2					
		3					
		4					
		5					
3	Reference Work experience in Chittagong Division	Sl	Contract Awarded by		Contract Value	Completion Year	
		1					
4	Client List	Sl	Client Name	Contact Name	Mobile & Email		
		1					
		2					
		3					
		4					
		5					
		6					
		7					
		8					
		9					
		10					



PART 7 – COMMERCIAL OFFER SUMMARY

LOT WISE COMMERCIAL PRICE NEEDS TO BE INSERTED IN BOQ PRICE SCHEDULE, ONLY THE SUMMARY NEEDS TO BE QUOTED HERE. WITHOUT DETAIL PRICE SCHEDULE IN BOQ YOUR OFFER WILL NOT BE ACCEPTED.

SI No	Lot No	Site No	Site Name	Upazilla / Union	AMOUNT
1	1	A	Repairing/Refurbishing of Uttor Lemshikhali GPS	Kutubdia	
2	1	B	Repairing/Refurbishing of Tabaler Char GPS	Kutubdia	
3	1	C	Repairing/Refurbishing Kazi Helal GPS	Kutubdia	
LOT 1 TOTAL					
4	2	A	Repairing/Refurbishing of Moddho Uzzantia Veluar Para GPS	Pekua	
5	2	B	Repairing/Refurbishing of Moddho Mognama GPS	Pekua	
6	2	C	Repairing/Refurbishing of Uttar Mognama GPS	Pekua	
7	2	D	Repairing/Refurbishing of Nondirpara GPS	Pekua	
LOT 2 TOTAL					
8	3	A	Repairing/Refurbishing of Baishpari GPS	Naikhongchari	
9	3	B	Repairing/Refurbishing of Sonaichori GPS	Naikhongchari	
10	3	C	Repairing/Refurbishing of Thuihlaong para GPS	Naikhongchari	
LOT 3 TOTAL					
11	4	A	Repairing/Refurbishing of Shabek Bilchori GPS	Lama	
12	4	B	Repairing/Refurbishing of Kalingabil GPS	Lama	
13	4	C	Repairing/Refurbishing of Yangchamukh Headmanpara GPS	Lama	
14	4	D	Repairing/Refurbishing of Sipahi Habibur Rahman GPS	Lama	
LOT 4 TOTAL					
15	5	A	Repairing/Refurbishing of Tarabunia Shofiul Alam GPS	Alikadam	
16	5	B	Repairing/Refurbishing of Cholkhong Tripura GPS	Alikadam	
17	5	C	Repairing/Refurbishing of Asoti Tripura Para GPS	Alikadam	
LOT 5 TOTAL					
GRAND TOTAL					



PART 8 – BID SUBMISSION & OPENNING

For **Tender submission purposes**, the address is:

Attention: *Senior Manager, Procurement & Supply Chain*

Address: **Save the Children Dhaka office**, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh

The deadline for submission of Tenders is: **on or before 2.30 PM on March 16, 2020**

The Tender opening shall take place at:

Address: **Save the Children Dhaka office**, House No. CWN (A) 35, Road No. 43, Gulshan-2, Dhaka-1212, Bangladesh

Date & Time: **March 16, 2020, 2019 at 2:30 PM** in presence of tenderer (if any).



PART 9 – OTHER TERMS & CONDITIONS

Contract Completion Time: 4 months for all lots

Defect liability Period: 12 Months

Retention money: 10% from progressive payments

Liquidity damage: 0.10% of contract value (undelivered works) per day, maximum 10% of contract value

Performance Security: 10% of contract value

Work Schedule: Tenderer will be required to submit a work schedule showing major activities within contract delivery timeframe.

Payment Schedule:

Number	Milestone description	Percentage (%) of Contract Price to be paid
4.	1st 30% progress payment will be made against 50 % of total work (lot wise)	30%
5.	2nd 30% of Progress payment will be made against 80% of Total works (lot wise)	30%
6.	Final 40% of progress payment will be made after completion of 100% works	40%

Note: Payment should be made based on engineering assessment of SCI engineers. The Final payment will be released subject to the submission of 10% performance security/ retention money.

Additional Requirement:

- Contractor will ensure required Personal Protective Equipment (PPE) for the workers in each of the work sites and ensure that the workers use required PPE (e.g. hand gloves, safety glasses, safety shoe, ladder, safety helmet, harness belt, earmuffs, safety security sign, demarcation of danger area if any, safety jacket etc.).
- Contractor will ensure proper management system for the construction debris
- Contractor will ensure proper management system for construction related waste water
- Contractor will emphasize that children's health and safety is ensured related to their works
- Contractor will take mitigation measures (e.g. sprinkling of water, covering construction materials) to control dusts if generated from their works
- Contractor will ensure safe drinking water and sanitation facilities for the workers in each of the work sites
- Construction Supervisor of Contractor will conduct tool box talk on EHS regularly for the workers before they start their works at each of the work sites. (e.g. First Aid box, fire extinguisher)
- During work in progress the work might be cognizant to GOB official engineers for monitoring.

Insurance:

- Tenderer(s) are responsible for all risk coverage as follows:
 - The minimum insurance cover shall be: tender quoted price amount for Contractor All Risk (CAR) and duration will be entire duration of the works.
 - The minimum cover for personal injury or death insurance:
 - for the Contractor's employees is as per the law and common practice in Bangladesh and.
 - third parties are as per the law and common practice in Bangladesh.



Construction materials laboratory testing:

Tenderer is requested to provide standard laboratory testing for supplied materials as per following guideline –

SI No.	Name of Material	Name of test
1	Brick	i) Compressive Strength
		ii) Water Absorption
2	Cement	i) Compressive Strength (7,28 days) (Each Set comprises with 3 cubes)
3	Sand (Fine Aggregate)	i) Sieve analysis for FM 0.50
		ii) Sieve analysis for FM 0.80
		iii) Sieve analysis for FM 1.20
4	Brick Chips (Coarse Aggregate)	i) Sieve analysis for 20 mm down graded
		ii) Los Angles Abrasion
5	Stone Chips (Coarse Aggregate)	i) Sieve analysis for 20 mm down graded
		ii) Los Angles Abrasion
6	Concrete	i) Concrete Cylinder Casting & Testing (Each set comprises with 3 specimen)

Note:

- Contractor shall perform a set of test of above mentioned material/parameter for each school site if the relevant work is in the BoQ.
- Contractor shall provide same sample as provide for testing to SCI Representative (i.e. Project Officer-Engineer) of sufficient quantity for future record.
- Full Test Procedure (Sample Collection, sending to the Lab and Report receiving) Contractor must ensure the involvement of SCI Representative (i.e. Project Officer-Engineer).
- If contractor has to change any material for any reason (i.e. change of material source, change of suppliers etc.) during repairing period, he must follow the above mentioned testing procedure for that specific item.



PART 10 – SUPPLIER DECLARATIONS & CHECKLIST

1. SUPPLIER DECLARATIONS

We, the Supplier, hereby confirm compliance with:

Appendix No	Item	Supplier Confirmation
1 & 2	Contract & Terms and Conditions	Yes
Embedded within RFP	Conditions of Tendering	Yes
1	Complaints and Appeal	
2	Child Safeguarding Policy	Yes
3	Fraud, Bribery & Corruption Policy	Yes
7	Human Trafficking & Modern Slavery Policy	Yes
4	IAPG Code of Conduct	Yes
5	Certification Regarding Terrorism	Yes
6	Anti-Money Laundering Policy of Bangladesh Bank	Yes
8	Contractors' Obligations to comply Environmental, Health and Safety (EHS) requirements	Yes

2. ITEMS & DOCUMENTS TO BE SUBMITTED

2.1 Evidence to support Essential criteria

- Trade Licence
- Copy of TIN certificate
- Copy of BIN / VAT certificate

2.2 Evidence to support Capability criteria

- Completed Bidder Response Document
- Supporting Financial documents e.g. Supplier accounts

2.3 Other Required Supporting Evidence

- Bid Submission Forwarding Letter
- National ID Card Copy of Proprietor / Managing Director
- Annual Report & Audit Report for last 12 months OR Bank Statement for last 12 months.
- Certificate of Incorporation (Limited companies only)
- Copy of Purchase Order to meet client services

We confirm that Save the Children may in its consideration of our offer, and subsequently, rely on the statements made herein.

Signature

Name

Job Title

Company

Date

