

**STD-4**

Bangladesh Red Crescent Society

Standard Tender Document (For Procurement of Works) Open Tendering Method (OTM)

Project: WASH Block Construction under DRAW Project in Kurigram RC Unit under DCRM Department, BDRCS.

Tender ID: Tender ID:44/2026

Ref. No and date.: Pro. (Log.)337/2026, date: 24/08/2026

Package Description: LOT-B: WASH Block Construction (4 nos) under DRAW Project in Kurigram RC Unit, DCRM Department, BDRCS.

Tender Schedule Purchase detailed (bKash Transition reference):

Name of the Tenderer	
Tender Schedule Price	
bKash Transaction number	
Date and time	
Mobile Number	

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Guidance Notes on the Use of The Standard Tender Document

These guidance notes have been prepared by the BDRCS to assist the Procuring Entity in the preparation, using the Standard Tender Document (STD), for the procurement of Works and Physical Services.

This Document may be used for Open Tendering Method (OTM) and Limited Tendering Method (LTM) as described in the BDRCS Procurement Manual. The STD is based upon internationally acceptable model formats which have been adapted to suit the particular needs of procurement within BDRCS.

STD has 5 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 Procuring Entity addresses its specific needs through the information provided in the **Tender Data Sheet (TDS)** and the **Particular Conditions of Contract (PCC)** as well as the items and estimated quantities of Works to be performed and must be carefully prepared in **Bill of Quantities (BOQ)** and if required may upload any drawing or image in **Drawing**.

STD provides all the information that a Tenderer needs in order to prepare and submit a Tender. This should provide a sound basis on which the Procuring Entity can fairly, transparently and accurately carry out a Tender evaluation process on the Tenders submitted by the Tenderers.

The following briefly describes the Sections of the STD and how a 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. In this Section no clauses shall be modified.

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.

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. In this Section no clauses shall be modified.



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 indicated 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 & Contract Forms

Tender Forms

These following tender forms along with required documents mentioned in the ITT will constitute the Tender, to be submitted by the Tenderers.

- a) Tender Submission Letter (Form STD4-1),
- b) Tenderer Information Form (Form STD4-2),
- c) Bill of Quantities (Form STD4-3),
- d) Drawing (Form STD4-4) *[issued by PE if required]*,
- e) Bank Guarantee for Tender Security (Form STD4-5) when applicable,
- f) Bank's Letter of Commitment for Line of Credit (Form STD4-6) if required.

Tender Forms

- a) Notification of Award (Form STD4-7)
- b) Contract Agreement (Form STD4-8)
- c) Bank Guarantee for Performance Security (Form STD4-9) when applicable.



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Section 1. Instructions to Tenderers

A. General

1. Scope of Tender

- 1.1 The Procuring Entity, as indicated in the Tender Data Sheet (TDS) issues this Tender Document for the procurement of Works and physical services incidental thereto as specified in the TDS and as detailed in Bill of Quantities (Form STD4-3). The name of the Tender and the number and identification of its constituent lot(s) are stated in the TDS.
- 1.2 The successful Tenderer shall be required to execute the Works and physical services as specified in the General Conditions of Contract.

2. Interpretation

- 2.1 Throughout this Tender Document
- (a) "day" means calendar days unless otherwise specified as working days;
 - (b) "Person" means and includes an individual, body of individuals, sole proprietorship, partnership, company, association or cooperative society that wishes to participate in Procurement proceedings;
 - (c) "Tenderer" means a Person who submits a Tender;
 - (d) "Tender Document" means the Document provided by a Procuring Entity to a Tenderer as a basis for preparation of the Tender; and
 - (e) "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.

3. Corrupt, Fraudulent, Collusive, Coercive or Obstructive

- 3.1 The Government and the Development Partner, if applicable, requires that the Procuring Entity as well as the Tenderers and Contracts (including sub-contractors, agents, personnel, consultants, and service providers) shall observe the highest standard of ethics during implementation of procurement proceedings and the execution of Contracts under public funds.
- 3.2 For the purposes of ITT Sub Clause 3.3, the terms set forth below as follows:
- (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.
 - (e) "Obstructive practice" (applicable in case of Development Partner) means deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and /or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.
- 3.3 Should any corrupt, fraudulent, collusive, coercive (or obstructive in case of Development Partner) practice of any kind is determined by the Procuring Entity or the Development Partner, if applicable, this will be dealt in accordance with the provisions of the Public Procurement Act and Rules and Guidelines of the Development Partners. In case of obstructive practice, this will be dealt in accordance with Development Partners Guidelines.
- 3.4 If corrupt, fraudulent, collusive, coercive (or obstructive in case of Development Partner) practices of any kind is determined by the Procuring Entity against any Tenderer or Contracts (including sub- contractors, agents, personnel, consultants, and service providers) in competing for, or in executing, a contract under public fund:



(a) Procuring Entity and/or the Development Partner shall exclude the concerned Tenderer from further participation in the concerned procurement proceedings;

(b) Procuring Entity and/or the Development Partner shall reject any recommendation for award that had been proposed for that concerned Tenderer;

Procuring Entity and/or the Development Partner shall 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;

(c) Development Partner shall sanction the concerned Tenderer or individual, at any time, in accordance with prevailing Development Partner's sanctions procedures, including by publicly declaring such Tenderer or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Development Partner-financed contract; and (ii) to be a nominated sub-contractor, consultant, manufacturer or Contractor, or service provider of an otherwise eligible firm being awarded a Development Partner-financed contract; and

(d) Development Partner shall cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Procuring Entity or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive, coercive or obstructive practices during the procurement or the execution of that Development Partner financed contract, without the Procuring Entity having taken timely and

(e) appropriate action satisfactory to the Development Partner to remedy the situation.

3.5 Tenderer shall be aware of the provisions on corruption, fraudulent, collusive, coercive as define in the BDRCS Procurement Manual, Article-59 and others as stated in ITT Clause 3.2.

3.6 In further pursuance of this policy, Tenderers, Contractors and their sub-contractors, agents, personnel, consultants, service providers shall permit the Government and the Development Partner to inspect any accounts and records and other documents relating to the Tender submission and contract performance, and to have them audited by auditors appointed by the Government and/or the Development Partner during the procurement or the execution of that Development Partner financed contract

4. Eligible Tenderers

4.1 This Invitation for Tenders is open to all potential Tenderers.

4.2 Tenderers shall have the legal capacity to enter into the Contract under the Applicable Law.

4.3 Tenderers shall be enrolled in the relevant professional or trade organizations registered in Bangladesh.



- 4.4 Tenderers may be a physical or juridical individual or body of individuals, or company invited to take part in public procurement or seeking to be so invited or submitting a Tender in response to an Invitation for Tenders.
- 4.5 Tenderers shall have fulfilled its obligations to pay taxes under the provisions of laws and regulations of Bangladesh.
- 4.6 Tenderers and all parties constituting the Tenderer shall not have a conflict of interest.
- 4.7 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 3.2 (or obstructive practice, in case of Development Partner) in relation to the Development Partner's Guidelines in projects financed by Development Partner.
- 4.8 Tenderers are not restrained or barred from participating in Public Procurement on grounds of poor performance in the past under any Contract.
- 4.9 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
- 4.10 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.
- 4.11 Tenderers shall provide such evidence of their continued eligibility satisfactory to the Procuring Entity, as the Procuring Entity will reasonably request.

B. Tender Document

5. Tender Document

- 5.1 The Sections comprising the Tender Document are listed below, and should be read in conjunction with any Addendum issued under ITT Clause 11.

- 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 Forms

6. Clarification of Tender Document

- 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.





7. Addendum to Tender Document

- 7.1 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 the Tender Document by issuing an Addendum.
- 7.2 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.
- 7.3 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.

C. Qualification Criteria

8. General Criteria

- 8.1 Tenderers shall possess the necessary professional and technical qualifications and competence, financial resources, equipment and other physical facilities, managerial capability, specific experience, reputation, 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.

- 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.
- 8.2

- 8.3 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. The requirement of experience as stated under ITT Sub Clause 9.1(a), unless otherwise of different nature, shall be applicable for each individual lot

9. Experience Criteria

- Tenderers shall have the following minimum level of construction experience to qualify for the performance of the Works under the
- 9.1 Contract:
- (a) specific experience in construction works of a nature, complexity and methods/construction technology similar to the proposed Works, in at least a number of contract (s) and, each with a minimum value over the period, as specified in the TDS.



- 10. Financial Criteria**
- 10.1** Tenderer shall have the following minimum level of financial capacity to qualify for the performance of the Works under the Contract.
- (a). the average annual construction turnover as specified in the TDS during the period specified in the TDS,
 - (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.
- 11. Personnel Capacity**
- 11.1** 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.
- 12. Equipment Capacity**
- 12.1** Tenderers shall own suitable equipment and other physical facilities or have proven access through contractual arrangement to hire or lease such equipment or facilities 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.
- 13. Joint Venture (JV)**
- 13.1** Tenderers may participate when the official cost estimate is above than as specified in Chapter-9 of BDRCS Procurement Manual. The procurement proceedings forming a Joint Venture(JV) by an agreement of maximum three (3) partners, executed case by case on a non-judicial stamp of value as specified in the TDS or alternately with the intent to enter into such an agreement supported by a Letter of Intent along with the proposed agreement duly signed by all legally authorized partners of the intended JV and authenticated by a Notary Public, with the declaration that the partners will execute the JV agreement in the event the Tenderer is successful.
- 13.2** The figures for each of the partners of a JV shall be added together to determine the Tenderer's compliance with the minimum qualifying criteria. Leading partner and other partners must meet the criteria as specified in the TDS. Failure to comply with these requirements will result in non-responsiveness of the JV Tender.
- Each partner of the JV shall be jointly and severally liable for the execution of the Contract, all liabilities and ethical and legal obligations in accordance with the Contract terms
- 13.3** JV shall nominate the **Leading Partner as REPRESENTATIVE** being entrusted with the Contract administration and management at Site who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the Tendering process and, in the event the JV is awarded the Contract, during contract execution including the receipt of payments for and on behalf of the JV.
- 13.4**



- 14. Subcontractor(s)**
- 14.1** Tenderers may intend to subcontract an activity or part of the Works when the official cost estimate is above than as specified in Chapter- 9 of BDRCS Procurement Manual., in which case such elements and the proposed Subcontractor shall be clearly identified.
- 14.2** The Procuring Entity may require Tenderers to provide more information about their subcontracting arrangements. If any Subcontractor is found ineligible or unsuitable to carry out the subcontracted tasks, the Procuring Entity may request the Tenderers to propose an acceptable substitute
- 14.3** A Subcontractor may participate in more than one Tender, but only in that capacity
- 14.4** The successful Tenderer shall under no circumstances assign the Works or any part of it to a Subcontractor

D. Tender Preparation

- 15. Only one Tender**
- 15.1** 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.
- 16. Cost of Tendering**
- 16.1** 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.
- 17. Issuance and Sale of Tender Document**
- 17.1** 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.
- 18. Language of Tender**
- 18.1** Tenders shall be written in the English language. Correspondences and documents relating to the Tender may be written in English or Bangla.
- 19. Contents of Tender**
- 19.1** The Tender prepared by the Tenderer shall comprise the following:
- (a) Tender Submission Letter (Form STD4-1)
 - (b) Tenderer Information (Form STD4-2)
 - (c) the priced Bill of Quantities (Form STD4-3)
 - (d) the Tender Security as specified in TDS for OTM tender only (No tender security is required for LTM)
 - (e) the written confirmation authorizing the signatory of the Tender to commit the Tenderer.
 - (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 4.5;
- (h) documentary evidence as stated to establishing the Tenderer's eligibility and minimum qualifications required to be met for due performance of the Works and physical services under the Contract;
- (i) document establishing legal and financial autonomy and compliance with commercial law, as stated under ITT Sub Clause 4.10 in case of government owned entity;
- (j) any other document as specified in the **TDS**.

20. Tender Submission Letter and Bill of Quantities

- 20.1 Tenderers shall submit the Tender Submission Letter (**Form STD4-1**), which shall be completed.
- 20.2 Tenderers shall submit the priced BOQ using the (**Form STD4- 3**) furnished in **Bill of Quantities**.
- 20.3 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.

21. Tender Prices

- 21.1 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.
- 21.2 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.
- 21.3 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.
- 21.4 The price of a Contract shall be fixed in which case the unit prices may not be modified in response to changes in economic or commercial conditions.

22. Tender Currency

- 22.1 Tenderers shall quote all prices in the Tender Submission Letter and in the BOQ in Bangladesh Taka (BDT) currency.

23. Documents Establishing the Eligibility and Qualification of the Tenderer

- 23.1 Tenderers shall complete and submit the documentary evidence, as applicable to satisfy the following:
 - (a) complete the eligibility declarations in the Tender Submission Letter (**Form STD4-1**)
 - (b) complete the Tenderer Information (**Form STD4-2**)





(c) specific experience in construction works under public or private sector of similar nature and size as stated in TDS, substantiated by Completion Certificate (s) issued by the relevant Procuring Entity(s);

(d) (average annual construction turnover i.e total certified payments received for contracts in progress or completed under public or private sector for a period as stated in TDS, 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;

adequacy of minimum liquid assets i.e working capital
(e) substantiated by Audit Reports mentioned in (j) below or credit line(s), substantiated by any scheduled Bank of Bangladesh in the format as specified (Form STD4-5) without alteration, issued not earlier than twenty-eight (28) days prior to the day of the original deadline for submission of Tenders.

key personnel along with their qualification and experience proposed for the Contract as stated in TDS substantiated by their
(f) CV.

major items of construction equipment proposed to carry out the Contract as stated in TDS, substantiated by statement(s) in its
(g) letter-head pad declaring source of its availability;

authority (s) to seek references from the Tenderer's Bankers or any other sources in its letter-head pad;

(h)

24. Validity Period of Tender

24.1 Tenders shall remain valid for the period specified in the TDS after the date of Tender submission deadline prescribed by the Procuring Entity.

25. Extension of Tender Validity and Tender Security

25.1 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. 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.

26. Tender Security

26.1 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. In case of substitution of the Tender a new Tender Security shall be required in the substituted Tender.

A Tender not accompanied by a valid Tender Security shall be considered as non-responsive.
26.2



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|--|--|
| 27. Form of Tender Security | <p>27.1 The Tender Security shall be at the Tenderer's option, be either in the form of a Bank Draft or Pay Order or Bank Guarantee.</p> <p>27.2 The Tender Security shall remain valid for at least twenty-eight (28) days beyond the expiry date of the Tender Validity.</p> |
| 28. Authenticity of Tender Security | <p>28.1 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 security.</p> <p>28.2 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 3.2.</p> |
| 29. Return of Tender Security | <p>29.1 No Tender Security shall be returned to the Tenderers before contract signing.</p> |
| 30. Forfeiture of Tender Security | <p>30.1 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; (b). refuses to sign the Contract; (c). does not accept the correction of the Tender price following the correction of arithmetic errors; (d). fails to furnish Performance Security. |
| 31. Format and Signing of Tender | <p>31.1 Tenderers shall prepare one (1) original of the documents comprising the Tender as described in ITT Clause 19.</p> <p>31.2 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 STD4-1). The name and position held by each Person(s) signing the authorization must be typed or printed below the signature and also signed all pages of the Tender</p> <p>Any interlineations, erasures, or overwriting will be valid only if they</p> <p>31.3 are signed or initialled by the Person signing the Tender.</p> |

E. Tender Submission

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|--|---|
| 32. Sealing & Marking of Tender | <p>32.1 Tenderers shall enclose the original copy of tender document with all the relevant particulars of the Tender on the envelopes.</p> |
| 33. Deadline for Submission of Tender | <p>33.1 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>33.1 The Procuring Entity may, at its discretion, extend the deadline for submission of Tender.</p> |





**34. Modification,
Substitution or
Withdrawal of
Tender**

- 34.1** 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.

F. Tender Opening & Evaluation

35. Tender Opening

- 35.1** 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 in Tender Notice.
- 35.2** 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.
- 35.3** 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 34.1.
- 35.4** Ensuring that only the correct (M), (S), and (O) envelopes are opened, details of each Tender will be dealt with as follows:
- a). the Chairperson of the TOC will read aloud each Tender and record in the Tender Opening Report (TOR),
 - b). the name and address of the Tenderer
 - c). state if it is a withdrawn, modified, substituted or original Tender
 - d). the official cost estimate;
 - e). the Tender price
 - f). the presence or absence of any requisite Tender Security and
 - g). such other details as the Procuring Entity, at its discretion, may consider appropriate.
- 35.5** all pages of the original version of the Tender, except for un-amended printed literature, will be initialled by members of the TOC.
- 35.6** 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. TOC shall be submit original of TOR to the Procuring Entity or an officer authorised by him or her and also distribute a copy of to the members of the TOC and any authorised Consultants and, to the Tenderers immediately



36. Evaluation Process

36.1 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 three steps:

- (a) Technical Examinations and Responsiveness
- (b) Financial evaluation and price comparison
- (c) Post-qualification of the Tenderer.

36.2 In case of tie for the lowest evaluated price, the tenderer shall be selected based on the "Past Performance on their reputation or quality of works in BDRCS, experience, Turnover & Financial solvency"

37. Technical Examination & Responsiveness

37.1 If a Tender is not responsive to the mandatory requirements set out in the Tender Document and in respect of TER-1, shall not subsequently be made responsive by the Tenderer by correction of the material deviation, reservation, or omission.

37.2 There shall be no requirement as to the minimum number of responsive Tenders.

37.3 TEC may examine the adequacy and authenticity of the submitted documentary evidence which meets each of the qualification criterion specified in the TDS.

38. Clarification on Tender

38.1 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.

38.2 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.

38.3 If a Tenderer does not provide clarifications of its Tender by the date and time, its Tender shall not be considered in the evaluation.

39. Correction of Arithmetical Errors

39.1 TEC shall correct any arithmetic errors that are discovered during the examination of Tenders, and shall promptly notify the concerned Tenderer(s) of any such correction(s) for due acceptance by the Tenderer. If the Tenderer that does not accept the correction of the Tender amount following correction of arithmetic errors its Tender shall be considered non-responsive

39.2 In case of discrepancy between words and figures, the rate quoted in word in the completed Price Schedule shall prevail.



**40. Financial
Evaluation**

- 40.1** 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.
- 40.2** To evaluate a Tender, the TEC shall consider the Tender price after adjustments for correction of arithmetical errors, as stated under ITT Sub Clause 39.1.

41. Price Comparison

- 41.1** TEC will compare all responsive Tenders to determine the lowest-evaluated Tender, TEC will compare all responsive Tenders to determine the lowest-evaluated Tender, as prescribed form (Form No. TER-2).
- 41.2** In case of tie, successful Tenderer shall not be selected through lottery under any circumstances

Tie tenderer shall be selected by measuring the following factors-

- a) proven track record with BDRCS
- b) good record with other humanitarian organizations
- c) experience in the market and proven financial capacity.

42. Negotiations

- 42.1** No negotiations shall be held during the Tender evaluation or award with the lowest or any other Tenderer.

43. Post-qualification

- 43.1** 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.
- 43.2** 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.

**44. Procuring Entity's
Right to Accept any
or to Reject Any or
All Tenders**

- 44.1** 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 Chairman or Approving Authority

G. Contract Award

45. Award Criteria

- 45.1** 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 43.1.



**46. Notification
of Award**

- 46.1** 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.
- 46.2** The NOA, attaching the contract as per the sample (Form: NOA) to be signed, shall state:
- a) the price at which the contract is awarded;
 - b) the amount of the Performance Security and its format;
 - c) the date and time within which the Performance Security shall be furnished; and
 - d) the date and time within which the contract shall be signed, if required.

- 46.3** 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.

**47. Performance
Security**

- 47.1** Performance Security shall be furnished by the successful Tenderer in BDT currency, of the amount as specified in the TDS, in the form of a Bank Draft, Pay Order or an irrevocable unconditional Bank Guarantee, within Seven (07) calendar days from the date of issuance of the NOA.

- 47.2** 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 Pay Order, Bank Draft or irrevocable unconditional Bank Guarantee, if required.

- 47.3** 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.

48. Contract Signing

- 48.1** Within fourteen (14) days of the issuance of the NOA, the successful Tenderer and the Procuring Entity shall sign the contract.

- 48.2** Failure of the successful Tenderer to sign the Contract, as stated under ITT Sub Clause 48.1, 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.

**49. Debriefing of
Tenderers**

- 49.1** 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.

50. Right to Complain

- 50.1** Tenderer has the right to complain in accordance with the Article-56 of BDRCS Procurement Manual.



Section 2. Tender Data Sheet

Instructions for completing Tender Data Sheet are provided in italics in parenthesis for the relevant ITT clauses

ITT Clause	Amendments of, and Supplements to, Clauses in the Instructions to Tenderers
A. General	
ITT 1.1	The Procuring Entity is Secretary General, BDRCS The Name of the Tender is: LOT-B: WASH Block Construction (4 nos) under DRAW Project of DCRM Department in Kurigram RC Unit, BDRCS. Tender ID No: 44/2026 Tender Ref: Pro.(Log.)/337/2026, date: 24/08/2026
B. Tender Document	
ITT 6.1	Availability of Tender Documents/Schedule: Tender documents and schedules with detailed information are available at the Bangladesh Red Crescent Society (BDRCS) website: www.bdracs.org. Tender Schedule Download Link: https://bdracs.org/tender/ Important Details: Interested bidders are requested to collect the tender documents within the stipulated timeframe from the mentioned link/BDRCS website. A Tender Schedule purchase fee of BDT 2,000.00. This fee is non-refundable. The purchase fee should be paid through Bkash number 01894806393 (BDRCS Merchant Account). Please mention the Bkash transaction reference number (Pro.(Log.)/337/2026) on top of the tender schedule. Failure to include the Bkash transaction reference number may result in the disqualification of your bid. For clarification of Tender Document purposes only, the Procuring Entity's address is: Secretary General, National Headquarters, Bangladesh Red Crescent Society (BDRCS), 684-686 Red Crescent Road, Bara Maghbazar, Dhaka-1217. Attention: Director Logistics Address: Logistics Department Room, National Headquarters, BDRCS, 684-686 Red Crescent Road, Bara Maghbazar, Dhaka-1217. Telephone: PABX: +88-02-48310188-9, Ext: 222, 258, Direct: +88-02-48316602 e-mail address: logistics@bdracs.org and contact Procuring Entity within: Director Logistics



C. Qualification Criteria

ITT 9.1(a)	• The minimum number of years of general experience of the Tenderer in the construction works as Prime Contractor or Subcontractor or Management Contractor shall be Five (05 years counting backward from the date of publication of IFT in the newspaper] • The minimum value of similar works is BDT. 1 Crore.												
ITT 10.1 (a)	The required average annual construction turnover shall be greater than Tk 1 Crore over the last Five (03) years.												
ITT 10.1(b)	The minimum amount of liquid assets, i.e. working capital or credit line(s) of the Tenderer shall be Tk 1.00 Crore												
ITT 11.1	The following key personnel shall have the qualifications and experience mentioned against each: <table><tr><th>No</th><th>Position</th><th>Total Works Experience (Years)</th><th>Experience in similar works (Years)</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	No	Position	Total Works Experience (Years)	Experience in similar works (Years)								
No	Position	Total Works Experience (Years)	Experience in similar works (Years)										
ITT 12.1	<i>Tenderers shall own or have proven access to hire or lease of the major construction equipment, in full working order as follows:</i> <table><tr><th>No</th><th>Equipment Type and Characteristics</th><th>Minimum Number Required</th><th>Source of Availability (owned/hired/leased)</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>	No	Equipment Type and Characteristics	Minimum Number Required	Source of Availability (owned/hired/leased)								
No	Equipment Type and Characteristics	Minimum Number Required	Source of Availability (owned/hired/leased)										
ITT 13.1	Joint venture shall be: permissible or not permissible. The value of non-judicial stamp for execution of the Joint Venture Agreement shall be Tk. 300.00 (Three hundred) only.												





ITT 13.2	The minimum qualification requirements of Leading Partner, other Partner(s) and requirements by summation of a JV shall be as follows:			
	ITT Clauses References	Requirements by summation	Requirements for Leading Partner	Requirements for other Partner(s)
	Specific Experience	100% (summation of different	Same as stated in TDS At least one Contract	Minimum requirement not applicable
	Average Annual Construction Turnover	100%	Minimum 40%	Minimum 25%
	Liquid Asset	100%	Minimum 40%	Minimum 25%
	Personnel Capacity	100%	Minimum requirement not applicable	Minimum requirement not applicable
	Equipment Capacity	100%	Maximum among the Partners	Minimum requirement not applicable
Example: If a Tender Document specifies that the Tenderer must have five (5) years of past experience in a specific type of construction, the JVCA partners shall not be allowed to combine the partners' experiences of (3) years for one (1) firm and two (2) years for the other, with a view to reaching the total of five (5) years to qualify the criterion.				
ITT 13.3	Subcontractor(s) shall be: permissible or not permissible.			
ITT 13.4	The Tender Validity period shall be Ninety (90) days.			
ITT 13.5	The amount of the Tender Security shall be 2.5% of total quoted value in favour of "Bangladesh Red Crescent Society".			
D. Preparation of Tender				
ITT 14.1	The Tenderer shall submit with its Tender the following additional documents: a. Valid Trade License. b. Valid TIN Certificate c. VAT registration certificate. d. Bank solvency Certificate. e. Similar work Experience Certificate. f. Signature & Seal in original Tender schedule (pages). g. Forwarding in letter head pad. h. Implementation of Work/Supply completion plan (Separate page). i. Submit of Professional Staff's Profile/CV who are engaged with supervision, monitoring & management during Repair & renovation construction.			
ITT 14.2	Tenders being invited for a single lot.			
ITT 14.3	The Tender Validity period shall be 120 days.			
ITT 14.3	The amount of Tender Security shall be 2.5 % of the total value of the item(s) quoted by the Tenderer in favour of Bangladesh Red Crescent Society .			



E. Tender Submission

ITT 33.1	<u>Tender submission purposes</u> only, the Procuring Entity's address is: Secretary General, National Headquarters, BDRCS, 684-686 Red Crescent Road, Bara Maghbazar, Dhaka-1217. Attention: Director Logistics. Address: Logistics Department Room, National Headquarters, BDRCS, 684-686 Red Crescent Road, Bara Maghbazar, Dhaka-1217 and Kurigram RC Unit, Dada More, Kurigram Districts, BDRCS. The deadline for submission of Tenders is: 17/09/ 2026 at 12:00 PM
ITT 33.2	- The Tender shall be submitted in two separate sealed envelopes, clearly marked as "Technical Offer" and "Financial Offer" respectively. Both envelopes shall then be placed inside a larger sealed envelope. The larger envelope must clearly indicate the name and address of the addressee on the right-hand side and the name and address of the Tenderer (sender) on the left-hand side. - The Tender shall be evaluated in two stages: Technical Evaluation and Financial Evaluation. The Financial Offer shall only be opened for those Tenderers who are found to be technically responsive and qualified during the Technical Evaluation stage.

F. Tender Opening and Evaluation

ITT 36.1	The Tender opening shall take place at: Address: Logistics Department Room, National Headquarters, BDRCS, 684-686 Red Crescent Road, Bara Maghbazar, Dhaka-1217 and Kurigram RC Unit, Dada More, Kurigram Districts, BDRCS. Time & Date: 20 September 2026 at 12:15 PM
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G. Contract Award

ITT 47.1	The amount of Performance Security shall be 7.5% percent of the Contract Price and the retention money shall be 10% percent of Total Value of the Contract Price for Six (6) Months from the date of Final payment.
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Section 3. General Conditions of Contract

A. General 1. Definitions	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: 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) Approving Authority means the authority which, in accordance with the Delegation of Financial Powers, approves the award of contract. (b) Bill of Quantities (BOQ) means the priced and completed Bill of Quantities forming part of the Contract defined in GCC Clause 22. (c) Compensation Events are those defined in GCC Clause 22.1. (d) Completion Date is the actual date of completion of the Works and physical services certified by the Project Manager. (e) Contract Agreement means the Agreement entered into between the Procuring Entity and the Contractor. (f) Contract Documents means the documents listed in GCC Clause 3, including any amendments thereto. (g) Contractor means the Person under contract with the Procuring Entity for the execution of Works under the Rules and the Act as stated in the PCC. (h) 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. (i) 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. (j) Day means calendar day unless otherwise specified as working days.
	(k) Defect is any part of the work not completed in accordance with the Contract. (l) Defects Correction Certificate is the certificate issued by the Project Manager upon correction of defects by the Contractor.



	(m) 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.
	(n) 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.
	(o) 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.
	(p) Month means calendar month.
	(q) Original Contract Price is the Contract Price stated in the Procuring Entity's Notification of Award and further clearly determined in the Contract.
	(r) PCC means the Particular Conditions of Contract.
	(s) 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.
	(t) Procuring Entity means a Procuring Entity having administrative and financial powers to undertake procurement of Works and physical services is as named in the PCC who employs the Contractor to carry out the Works.
	(u) 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.
	(v) 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 BOQ.
	(w) Site means the places where the Permanent Works are to be executed including storage and working areas and to which



	(x) 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. (y) Start Date is the last date by which the Contractor shall commence execution of the Works under the Contract. (z) 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. (aa) 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. Works means all works associated with the construction, reconstruction, site preparation, demolition, repair, maintenance or renovation 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. (bb)
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2. Documents Forming the Contract and Priority of Documents

The following documents forming the Contract shall be interpreted in the following order of priority:

- 2.1
 - (a) signed Contract Agreement
 - (b) Notification of Award
 - (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.

3. Scope of Works

- 3.1 The Works to be executed, completed and maintained shall be as specified in the BOQ, the General and Particular Specifications and Drawings.

4. Gratuities / Agency Fees

- 4.1 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.



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| 5. Possession of the Site | 5.1 The Procuring Entity shall give possession of the Site to the Contractor on the date specified in the PCC. |
| 6. Procuring Entity's Responsibilities | 6.1 The Procuring Entity shall pay the Contractor, in consideration of the satisfactory progress of execution and completion of the Works and physical services, 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. |
| 7. Contractor's Responsibilities | 7.1 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. |
| 8. Taxes and Duties | 8.1 The Contractor shall be entirely responsible for all applicable taxes, custom duties, VAT and other levies imposed or incurred inside and outside Bangladesh. |
| 9. Contractor's Personnel | 9.1 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. |
| 10. Subcontracting | 10.1 Subcontracting the whole of the Works by the Contractor shall not be permissible. The Contractor shall be responsible for the acts or defaults of any Subcontractor, his or her agents or employees, as if they were the acts or defaults of the Contractor. |

B. Time Control

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| 11. Start Date | 11.1 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. |
| 12. Intended Completion Date | 12.1 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. |
| 13. Completion of Works | 13.1 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 14 to complete them in all respects by the Intended Completion Date. |





- 14. Programme of Works**
- 14.1** 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.
- 14.2** The Contractor shall submit to the Project Manager for approval of an updated programme as required by the Project Manager.
- 15. Pro-rata Progress**
- 15.1** The Contractor shall maintain Pro-rata progress of the Works. Progress to be achieved shall be pursuant to GCC Clause 14 and shall be determined in terms of the value of the works done
- 16. Extension of the Intended Completion Date**
- 16.1** 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.
- 16.2** 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.
- 16.3** 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.
- 16.4** 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

- 17. Execution of Works**
- 17.1** The Contractor shall construct, install and carry out the Works and physical services in accordance with the Specifications and Drawings as scheduled in GCC Clause 2.
- 18. Identifying Defects**
- 18.1** 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.
- 19. Testing**
- 19.1** 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.



- 20. Rejection of Works** **20.1** 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.
- 21. Correction of Defects** **21.1** 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.
- 22. Uncorrected Defects** **21.2** 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.
- 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

- 23. Contract Price** **23.1** The Contract Price shall be as specified in the Contract Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to Contract.
- 24. Bill of Quantities (BOQ)** **24.1** The Bill of Quantities shall contain priced items for the construction, installation, testing, and commissioning work to be done by the Contractor.
- 24.2** 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.
- 24.3** 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.
- 25. Price Adjustment** **25.1** Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the PCC. To request an adjustment of price, the contractor shall apply in writing to the Procuring Entity. The Procuring Entity shall verify the market price and then negotiate with the contractor regarding the price adjustment. If the parties amicably settle on the adjusted price, it shall be applicable.



26. Issue of Variation or Extra Work Order

26.1 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.

26.2 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.

26.3 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 27, 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.

26.4 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.

26.5 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.

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

26.6



**27. Costing of
Variation
Orders or Extra
Work Orders**

27.1 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.

27.2 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.

27.3 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.

**28. Payment
Certificates**

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

28.2 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the works executed less the cumulative amount certified previously.

28.3 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.

28.4 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.

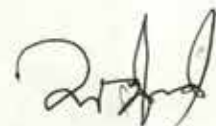
28.5 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.



- 29. Payments to the Contractor**
- 29.1** 29.1 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.
- 29.2** 29.2 Payments for Works under Variation Orders or Extra Work Orders satisfactorily accomplished, pursuant to GCC Clause 26, may be made only after approval of the same by the Approving Authority or next higher, as appropriate.
- 29.3** 29.3 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.

The following shall be Compensation Events:

- 30. Compensation Events**
- 30.1**
- (a) The Procuring Entity does not give access to or possession of the Site or part of the Site by the Site Possession Date as stated under GCC Sub Clause 10.1;
 - (b) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Notification of Award/WO;
 - (c) Other Contractors, public authorities, utilities, or the Procuring Entity do not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor;
 - (d) 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;
 - (e) Other Compensation Events described in the Contract or determined by the Project Manager in the PCC shall apply;
- 30.2** 30.2 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.
- 31. Performance Security & Retention Money**
- 31.1** The Procuring Entity shall retain Retention Money from the progressive payments due to the Contractor at the percentage specified in the PCC until completion of the whole of the Works under the Contract.
- 31.2** The Procuring Entity shall notify the Contractor of any claim made against the Bank issuing the Performance Security.
- 31.3** 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.



31.4 Procuring Entity may claim against the Retention Money and/or Performance 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.

31.5 In the event, as stated under GCC Sub Clause 39.4, the Contractor is liable to pay compensation under the Contract amounting to the full value of the Retention Money or more, the Procuring Entity may call the full amount of the Retention Money and Performance Security.

31.6 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 39.5.

32. Liquidated Damages

32.1 If the Contractor fails to complete the Works and physical services 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.

32.2 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.

E. Completion of Contract

33. Completion

33.1 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.



34. Taking Over 34.1 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 41.1
35. Amendment to Contract 35.1 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.
- 35.2 The Procuring Entity shall amend the Contract incorporating the changes approved, in accordance with the Delegation of Financial Power or Sub- delegation thereof and, introduced to the original terms and conditions of the Contract.
36. Final Account 36.1 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.
- 36.2 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.
- 36.3 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.
37. Release from Performance 37.1 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

38. Termination 38.1 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 has subcontracted the whole of the Works or has assigned the Contract without the required agreement and without the approval of the Project Manager;
- (v) the Contractor, in the judgment of the Procuring Entity has engaged in corrupt or fraudulent practices as defined in ITT Clause 3.2, in competing for or in executing the Contract.
- (vi) PE can debar the tenderer for a period of 1 (one) to 2 (two) years for the procurement of all procuring entities due to fundamental breach of contract.

38.2 The expiration of the Intended Completion Date under GCC Sub Clause 12.1 and, the initiation of settlement of disputes like amicable and arbitration under GCC Clause 41 shall not be deemed a termination of the Contract under GCC Clause 38.

39. Payment upon Termination

39.1 If the Contract is terminated because of a fundamental breach of Contract under GCC Sub Clause 46.1 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.

40. Property

40.1 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

41. Settlement of Disputes

a. 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.

b. 41.2 Arbitration

- i. If the parties are unable to reach a settlement as per GCC Clause 41.1 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.
- ii. 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

Instructions for completing the Particular Conditions of Contract are provided in italics in parenthesis for the relevant GCC Clauses.

GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
GCC 1.1(g)	The Contact to: Director Logistics, NHQ, BDRCS
GCC 1.1(f)	The Procuring Entity is Secretary General, BDRCS
GCC 1.1(u)	The Assistant Engineer is Md. Zakir Hossain, Assistant Engineer, Logistics Department, BDRCS.
GCC 1.1(w)	The Site is located at (4) Char Boraibari Islamia Dakhil Madrasa (5) Bhogdanga Girls High School (6) Kachichar Boys & Girls (BAG) High School (7) Chaitar Khamar Junior High School, Kurigram District and is defined in drawings is attached.
GCC 1.1(bb)	The Works consist of Renovation works as follows • <u>WASH Block Construction (12 nos) under DRAW Project of DCRM Department in Kurigram Unit:</u> 1. <u>Sub-structure:</u> a) Civil Work b) Earth Back Filling c) All types of Construction & Renovation Work. 2. <u>Super Structure:</u> a) Civil work b) All types of Renovation Work. Note: • Vendor must have relevant Civil & Renovation Work.
GCC 2.1 (h)	Other documents forming part of the Contract are <i>[list other documents viz. Schedule of Equipment, Site Investigation Reports, relevant correspondences prior to signing of the Contract agreement etc.]</i>
GCC 5.1	Possession of the Site to the Contractor shall be given on the following date <i>With in 10 days of contract signing.</i>



GCC 9.1	The following Key Personnel to carry out the functions stated in the Schedule shall be employed by the Contractor:		
	No	Name of Key Personnel	Position
GCC 11.1	The Start Date shall be with in 10 days after the possession of the site		
GCC 12.1	The Intended Completion Date for the whole of the Works shall be 180 days to be calculated from the site hand over		
GCC 14.1	The Contractor shall submit a Programme for the Works within 7 days days of signing the Contract.		
GCC 21.1	The Defects Liability Period is 12 months		
GCC 25.1	Price Adjustment: Price Adjustment shall not be applicable;		
GCC 29.3	The particulars of the Bank Account nominated are as follows : Title of the Account : [insert title to whom the Contract awarded] Name of the Bank : [insert name with code, if any] Name of the Branch : [insert branch name with code ,if any] Account Number : [insert number] Address : [insert location with district] Tel : Fax : e-mail address : [information furnished by the Contractor shall be substantiated by the concerned Bank and authenticated by the Procuring Entity]		
GCC 30.1(e)	The following additional events shall also be the Compensation Events: Not Applicable		





GCC 31.1	The proportion of payments to be retained is 10 percent. <i>[state "none" if not applicable. If applicable then the proportion of Retention Money shall be equal to the percentage-shortfall of ten (10) percent of Performance Security determined at the time of signing the Contract.</i> <i>[If Performance Security has been increased in case of unbalanced Tender as result of front loading or because of Tender is significantly below the updated official estimated, provision for Retention Money shall not be applicable]</i>
GCC 32.1	The amount of Liquidated Damages is Zero point Two zero (0.20%) 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. The maximum amount of Liquidated Damages for the uncompleted Works or any part thereof is 10% (Ten) percent of the final Contract Price of the whole of the Works.
GCC 39.1	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 15 (Fifteen) percent (Not Required).
GCC 41.2(b)	The arbitration shall be conducted in the place mentioned below; National Headquarters, BDRCS, Baro Moghbazar, Dhaka

Habibur Rahman Khan
01.09.26

Md. Habibur Rahman Khan

Secretary General

Date:



[Signature]



[Signature]

Section 5. Tender & Contract Forms

Form

Title

Tender Forms:

STD 4 -1	Tender Submission Letter
STD 4 -2	Tenderer's Information
STD 4 -3	Bill of Quantity
STD 4 -4	Drawing
STD 4 -5	Bank Guarantee for Tender Security (when this option is chosen)
STD 4 -6	Bank's Commitment for Line of Credit (when this option is chosen)

Contract Forms :

STD 4 -7	Notification of Award
STD 4 -8	Contract Agreement
STD 4 -9	Bank Guarantee for Performance Security <i>(when this option is chosen)</i>

Forms STD 4-1 to STD 4-6 comprises part of the Tender. And
Forms STD 4-7 to STD 4-9 comprises part of the Contract.



Tender Submission Letter (Form STD 4-1)

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

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

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

The Tender Price is: (ITT Clause 21.3 & 22.1)	Taka <i>[state amount in figures]</i> and Taka <i>[state amount in words]</i>
--	--

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 [pay order/ bank draft/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 are not a government owned entity as defined in ITT Sub Clause 4.10; or we are a government owned entity, and we meet the requirements of ITT Sub Clause 4.10;
- (e) we declare that we are eligible to participate in this Tender and meet the eligibility criteria specified in the Tender Document (ITT Clause 4);
- (f) furthermore, we are aware of ITT Clause 3.4 concerning such practices and pledge not to indulge in such practices in competing for or in executing the Contract;
- (g) 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 STD 4-2)

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

Invitation for Tender No :

Tender Package No :

Lot No :

A. Eligibility Information of the Tenderer :

1.	Tenderer's legal title (Name of Firm)	
2.	Tenderer's registered address (including e-mail ID, Mobile No. etc)	
3.	Tenderer's year of registration	
4.	Tenderer's Value Added Tax (VAT) Registration Number	
5.	Tenderer's Tax Identification Number (TIN)	

B. Qualification Information of the Tenderer:

1. Specific Experience in Construction Works of Tenderer [ITT Sub Clause 9.1(a)] Completed Contracts of similar nature, complexity and methods/construction technology.

Sl.	Name of the Works	Contract Value (in Tk.)	Award Date	Complete on Date	Name & address of the Entity
1.					
2.					
3.					

2. Average Annual Construction Turnover [ITT Sub Clause 10.1(a)]
[total certified payments received for contracts in progress or completed for a period as stated under ITT Sub Clause 10.1(a)]

Year	Amount Received (in Tk.)
Total =	



3. Liquid Assets available to meet the construction cash flow [ITT Sub Clause 10.1(b)]
technology

Source of Financing (Audit report or Credit Line)	Amount Available

4. Qualifications and Experience of Key Personnel Proposed for Contract administration and management
[ITT Sub-Clause 23.1(f)]

Name	Position	Years of Experience

5. Construction Equipment Proposed to Carry out the Contract [ITT Sub-Clause 23.1(g)]

Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased

C. Others Information of the tenderer:

Name of the Bank	Account No.	Address of Bank's Branch (with e-mail ID & Mobile No.)



Bill of Quantities (Form STD 4-3)

Name of Works :

IFT No. :

Package No. : Lot No. :

Specifications of the WASH Block Construction (4 nos) at Kurigram District DCRM Department,
NHQ, BDRCS:

ANNEX-A

Summary of BoQ		
Sl no	Description	Amount (BDT)
4.	Char Boraibari Islamia Dakhil Madrasa	
5.	Bhogdanga Girls High School	
6.	Kachichar Boys & Girls (BAG) High School	
7.	Chaitar Khamar Junior High School	
Total cost BDT =		
In Ward:		

BoQ (4) : Char Boraibari Islamia Dakhil Madrasa

Summary		
Sl no	Description	Amount
1.	Part-A: Civil Works	
2.	Part- B: Internal Sanitary works	
3.	Part-C: Electrical works	
4. Char Baraibari Islamia Dakhil Madrasa Total cost =		

(Part-A: Civil Work)



5.	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by Engineer-in-charge.				
				= 48.12	sqm
6.	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, raking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge.(Cement: CEM-II/B-M)				
				= 9.42	cum
7.	125 mm brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand, curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor				
				= 84.58	sqm
8.	Supplying, fitting and fixing country made GP (Gress Porcellanto) - glazed or unglazed homogeneous floor tiles complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor				
	GP (homogeneous) 300 mm x 300 mm floor tiles				
				= 30.45	sqm
9.	Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M).In ground floor				
	Wall tiles less than, equal or equivalent to 250 mm x 330 mm in sizes				
				= 54.25	sqm



12.	Supplying, fabrication and fixing to detail as per design : ribbed or deformed bar reinforcement (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard)			
	Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, f_y (R_{eH})= 400 MPa but f_y not exceeding 480 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength f_u to yield strength f_y , shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.			
Total (A 16mm + B 12mm + C 10mm + D 8mm)		= 1,622.17	Kg	
13.	Supply, fitting & fixing window grills made of 10 mm x 10 mm M.S. solid bar @ 100 mm c/c with 25 x 6 mm F.I. Bar for Clamp and no outer frame; including fabrication, welding, cost of electricity workshop charges, carriage, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors accepted by the Engineer-in-charge.(Total weight per sqm should be approx. 14 kg and add or deduct @ 100.00 for each kg/sqm excess or less respectively)			
		= 4.09	sqm	





14.	Supplying, fitting and fixing of aluminium sliding window as per the U.S. Architectural Aluminium Manufacturer's Association (AAMA) standard specification and BDS 1879:2014 having minimum 1.2 mm thick outer bottom (size 75.50 mm, 32 mm, 0.605 kg/m), minimum 1.2 mm thick outer top (size 75.50 mm, 28.50 mm, 0.705 kg/m), minimum 1.2 mm thick shutter top (size 33 mm, 26.80 mm, 0.42 kg/m), minimum 1.2 mm thick shutter bottom (size 60mm, 24.40 mm, 0.589 kg/m), minimum 1.2 mm thick outer side (size 75.50 mm, 19.90 mm, 0.52 kg/m), minimum 1.2 mm thick shutter lock (size 49.20 mm, 25.80 mm, 0.543 kg/m) and minimum 1.2 mm thick inter lock (size 34.40 mm, 32.13 mm, 0.562 kg/m) sections all aluminium members will be anodized to aluminium bronze/silver/ss/black colour with a coat not less than 15 microns in thickness or powder coated to any colour with a coat not less than 25 microns in thickness and density of 4 mg per square cm etc. including all accessories like sliding door key lock, sliding door wheel, sliding door mohiar, sliding door neoprene, bolts and nuts including sealants, keeping provision for fitting 5 mm thick glass including labour charge for fitting of accessories, making grooves and mending good damages, carriage, and electricity complete in all respect as per drawing and accepted by the Engineer-in- charge.				
	Size up to: 1500 mm x 1400 mm.				
	Anodized to any colour				
				= 4.09	sqm
15.	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in- charge. (Cement: CEM-II/B-M) Ground floor.				
				= 175.86	sqm
16.	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) Ground floor.				
				= 11.43	sqm

Signature



Signature

17.	Exterior standard acrylic emulsion paint of approved best quality and color having water resisting properties and resistance properties against fungi, fading & flaking delivered from authorized local agent of the manufacturer in a sealed container; applying to exterior surface with surface preparation including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying necessary exterior sealer of specified brand on prepared surface; then applying necessary exterior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of exterior emulsion paint spreading by brush/roller/spray & necessary scaffolding etc. up to desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.				
				= 175.86	sqm
18.	Standard synthetic enamel paint of approved best quality and colour delivered from authorized local agent of the manufacturer in a sealed container, having high water resistance, high bondability, flexibility property; using specified brand thinner applying to metallic or wooden surface by brass/roller/spray in 2 coats over single coat anti-corrosive coating including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, all complete in all floors and accepted by the Engineer-in-charge.				
				= 4.09	sqm
19.	Supplying, fitting and fixing of the best quality any sizes uPVC plastic door shutter with frame having specific gravity of 1.35 - 1.45, panel wall thickness 1.7 mm-2.2 mm, shutter/panel thickness 37.5 mm & weighing 17.25 kg/m2 and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards and ASTM, BS/ISO/IS standards of different sizes uPVC plastic door shutter with uPVC plastic frame (frame size:150mm x 62.50mm) fitting - fixing in brick wall/ R.C.C wall with at least 3 Nos. SS hinges by min 64 Nos. Ø 3.17 mm and 3.97 mm 12.7 mm long rivets, 12 nos. 25.4 mm SS screws, Ø 9.38 mm, 150 mm long SS tower bolts 2 nos., 146 mm SS handle by rivet 6 Nos., G.I inner joint, 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 6 Nos. GI clamp, 2 nos. outer GI joint clamp making necessary grooves and mending good the damages, finishing, curing, carrying the same to the site and local carriage etc. complete in all respect and accepted by the Engineer-in-charge.				
				= 6.50	sqm



20.	Supplying, fitting and fixing M.S. door shutters with red oxide 1 coat and enamel paint 2 coats made with 38 mm x 38 mm x 6 mm angle outer frame, inner member 25 mm x 6 mm F.I. bar, cladding with 16 BWG M.S. sheet, 04 nos 75 mm long hinge, 02 nos. two side handle locking arrangement, 19mm dia GI pipe 457mm long toilet inside gandle with 50 mm x 50 mm x 6 mm M.S. angle chowkat including all charges for welding, riveting etc. including cost of supplying all essential fittings like iron hinges, socket bolts, clamps, for fitting and fixing the frame, making necessary holes in brick walls and R.C.C works and fitting with C.C. (1:2:4) and mending good the damages including all cost of carriage, workshop charges, electricity and labour for fittings, fixing, curing etc. all complete and accepted by the Engineer-in charge. (Rate is excluding the costs of painting).					
					= 4.55	sqm
21.	Supplying, fitting and fixing stainless steel (SS) stair railing of standard height with 2 mm thick 62 mm dia SS pipe for hand-rail, 2 mm thick 40 mm dia 5 nos vertical SS pipes in each flight, 1.5 mm thick 20 mm dia 5 nos horizontal SS pipes as per drawing, design including carrying, polishing, fabricating, welding and fixing with tread by 25 mm long royal bolt etc.all complete and accepted by the Engineer-in-charge.					
					= 2.97	sqm
22.	Manufacturing, supplying, fitting and fixing M.S. collapsible gate of any design and shape made of 25 mm x 25 mm x 3 mm M.S. angle placed @ 112 mm c/c vertically and connecting the same with each other by 25 mm x 3 mm M.S flat bar scissors 525 mm, 600 mm long provided in 3 rows including cutting the different M.S. members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable locking arrangement, electrodes, grease and finally placing the same in position in between 2 (two) Nos. 50 mm x 50 mm x 6 mm M.S. tee rail made by welding 2 nos. 50 mm x 6 mm M.S. flat bar fitted and fixed at top and bottom with R.C.C. lintel/ roof slab, floors and side wall with required nos. 150 mm to 225 mm long 38 mm x 6 mm M.S. flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C. at the respective point including cutting holes and mending good the damages by pouring concrete (1:2:4) into the holes and finishing, etc. complete, painting 2 (two) coats with approved best quality synthetic enamel paint over a coat of anticorrosive painting, both end carriage, including greasing, electrodes, curing etc.complete as per drawing and design and accepted by the Engineer-in-charge. (Rate is excluding the cost of painting)					
					= 7.37	sqm



23.	Supplying, fitting, and fixing of Wall Cabinet, Model: Wall Cabinet R001 , with dimensions (W x D x H): 600 mm x 350 mm x 450 mm, including all necessary accessories. The work shall include making holes wherever required, repairing any damages caused during installation, and ensuring complete and proper fitting, fixing, and finishing. All works must be carried out as per the specifications and to the satisfaction of the Engineer-in-Charge. (Preferred brands: Otobi / Hatil)		
	To be used for storing MHM materials.		
		= 1.00	each
		Total =	

(Part-B: Sanitary Work)				
Sl no	Description of Item	Unit	Unit Rate	Amount

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1.	Supplying, fitting and fixing of European type country made best quality glazed porcelain combi closet (two piece), including plastic seat cover with soft closing, cistern system, water consumption 6 litre, siphon wash down/siphon jet single or dual flushing system which reduce water consumption, hygienic glaze in toilet bowl, glaze in inner waste line, round bowl, outlet range 280~305 mm. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position preparing the base with cement concrete and with wire mesh or rods if necessary, in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing, complete with all necessary fittings and connection approved and accepted by the Engineer- in- charge.			
	Approx. 670~690 X 360~ 362 mm size, minimum 27.5 kg of weight; Equivalent to Stella:Victoria/ Stella:Imola/ RAK:Amy/ RAK:Karla or similar brand			
		= 2.00	each	
2.	Supplying and fitting-fixing stainless steel hand / push shower for ablution including holder etc. all complete approved and accepted by the Engineer- in- charge.			
	Moving type push shower			
		= 2.00	each	





3.	Supplying, fitting and fixing of country made glazed vitreous china flat or squatting urinal approx. 510 mm x 380 mm x 85 mm in size, minimum 9.5 kg of weight. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer-in-charge.			
	Supplying, fitting and fixing of country made glazed vitreous china flat or squatting urinal approx. 510 mm x 380 mm x 85 mm in size, minimum 9.5 kg of weight. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test			





pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer-in-charge.

				= 2.00	each		
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4.	Supplying, fitting and fixing of Bangladesh pattern, long pan with foot-rest. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position preparing the base of pan with cement mortar (1:4) and with wire mesh or rods, if necessary in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
	Approx. 520 X 406.4 X 223.52 mm size, minimum 10.0 kg of weight			
			= 4.00	each
5.	Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
	Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
			= 4.00	each





6.	Supplying of country made glazed vitreous W/H wash basin of any color including pedestal. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with heavy type C.I. Brackets. 30 mm dia PVC waste water pipe with brass coupling (not exceeding 750 mm in length), basin waste with chain plug including making holes in walls and floors and fitting with wall, screws and mending good the damages, finishing etc. all complete approved and accepted by the Engineer-in-charge.			
	Approx. 457 x 406 mm, minimum weight 15.3 kg			
			= 6.00	each
7.	Supplying, fitting and fixing of 5 mm thick unframed super quality double coated mirror with all necessary fitting including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.			
	Belgium Mirror, 5 mm thickness			
			= 6.00	sqm
8.	Supplying, fitting and fixing of super quality 600 mm x 125 mm white glass (plate) shelf having 5 mm thickness with fancy C.P. brackets, screws and frames including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.			





				= 6.00	each		
9.	Supplying, fitting and fixing of country made best quality towel rail/ ring/ shelf minimum 20 mm in dia with C.P. holder including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.						
	600 mm long C.P. single towel rail						
				= 9.00	each		
10.	Stainless steel toilet paper holder						
				= 6.00	each		
11.	Stainless steel soap tray						
				= 10.00	each		
12.	Supplying, fitting and fixing of floor grating net in traps or in drains including making holes in walls/ floors and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge of following type.						
	Approx. 100~125 mm dia stainless steel floor grating net						
				= 10.00	each		
13.	Supplying, fitting and fixing of best quality country made 12 mm bib cock made from copper or copper alloy, chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer- in- charge.						
	Round headed CP Conceal Bib Cock short body (Essco/ coaster/ star/ diamond/ delux/ deco/ orbed/ delin/ triple/ master/ classic headed or similar head)						
				= 12.00	each		



14.	Supplying, fitting and fixing of best quality surface mounted or conceal stop cock/angle stop cock (lever or round headed) with wall flange chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.			
	12 mm dia CP Concealed Stop Cock			
			= 18.00	each
	CP Two in One angle stop cock			
			= 4.00	each
15.	Supplying, fitting and fixing of best quality pillar cock made from copper or copper alloy, chromium plated materials. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.			
	CP Round headed fixed Pillar cock			
			= 6.00	each





16.	Supplying different inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35 - 1.45, wall thickness 2.5 mm - 3.0 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitting and fixing in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating/ domed roof grating bands, sockets etc. approved and accepted by the Engineer- in-charge.			
	100 mm inside dia wall thickness 3.4- 4.0 mm			
			= 21.34	meter
17.	Supplying different inside dia best quality uPVC pressure 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 etc. approved and accepted by the Engineer-in-charge.			
	12 mm dia wall thickness 1.7 mm - 2.8 mm			
			= 6.10	meter
	32 mm dia wall thickness 2.7 mm - 3.6 mm			
			= 21.34	meter
18.	Supplying, fitting and fixing of food graded plastic overhead water reservoir /tank including all necessary fittings, hardware and consumables etc. all complete approved and accepted by the Engineer- in- charge.			
	1000 liter capacity			
			= 1.00	each
19.	Supplying, fitting and fixing of R.C.C ring 1' height x 3' dia and 2.5" thick each. Including cost of all materials carrying, accessories, scaffoldings, labour for installation, etc. all complete as per drawing, design and accepted by the Engineer-in-charge.			
			= 9.00	each
20.	Supplying, fitting, and fixing stainless steel (SS) pipe handle 460 mm long, 40 mm dia and 2 mm thick, on both sides of the high commode, as per approved drawing and design, including carrying, polishing, fabrication, welding, and fixing with the toilet wall, all complete as directed and accepted by the Engineer-in-Charge.			
			= 2.00	each



21.	Supplying and installation of centrifugal pump motor to lift water from underground reservoir/deep tube-well to different building. The pump installed on concrete foundation and supplying necessary anchor bolts, nuts and other fixers in/c fitting and fixing the pumps and motors in position etc. all. complete as per direction of the E-I-C. (RFL/GAZI approved quality) 440 volts 3-phase 10mm 1 HP				
				= 1.00	each
22.	Providing and laying only a 40-foot-deep tube well pipe for water supply to the toilet, including 40 feet of 1½-inch UPVC riser pipe, 5 feet of GI pipe, a 10-foot well screen (filter), a 10" × 10" × 1'-6" cement concrete (C.C.) platform/block, and all necessary fittings, accessories, supporting materials, transportation, labour, and incidental works, complete in all respects, as directed and approved by the Engineer-in-Charge (EIC). (excluding the hand pump, motor, or water connection),				
				= 1.00	Job
23.	Supply of materials for toilet facilities, including 01 (one) pedal bin (12-liter capacity, RFL brand), 04 (Four) traditional plastic water pot (Bodna) of 2.5-liter capacity suitable for long pan toilets, and cleaning accessories comprising 02 (two) toilet brushes , 02 (two) plastic buckets (10-liter capacity each) , 02 (two) plastic mugs (2-liter capacity each) , 02 (two) pairs of sandals , and other necessary items as required.				
				= 1.00	Job
				Total =	

(Part-C: Electrical Work)

Item no.	Description of Item	Unit	Quantity	Unit Price	Total Price
1	PVC Pipe fitting with necessary fittings like screw, Nail, And G.I. Wire etc. complete as per drawings and direction Engineering- in-charge. All pipes will consider as RFL / Bashudhara or equ.				
	3/4-1" PVC pipe Brand RFL / Bashudhara or equ.	Rft.	200		
2	Light Fittings Brand: Nimo /energy+				
	LED light 18w	Nos	12		



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BoQ (5) : Bhogdanga Girls High School

Summary		
Sl no	Description	Amount
1.	Part-A: Civil Works	
2.	Part- B: Internal Sanitary works	
3.	Part-C: Electrical works	
Total cost =		

(Part-A: Civil Work)							
Sl no	Description of Item				Unit	Unit Rate	Amount
1.	Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench- mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer- in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.						
a	Layout and marking for earthwork in excavation in foundation accepted by the Engineer-in-charge. [Plinth area of the structure shall be considered for measurement]						
				= 15.59	sqm		
b	Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead						
				= 27.44	cum		
2.	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.						
				= 9.50	cum		



3.	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge.	= 29.05	sqm		
4.	Mass concrete (1:2:4) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in-charge. (Cement: CEM-II / B-M)				
	Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2.	= 2.71	cum		
5.	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by Engineer-in-charge.	= 35.25	sqm		
6.	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge.(Cement: CEM-II/B-M)	= 6.87	cum		
7.	125 mm brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand, curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor	= 58.13	sqm		
8.	Supplying, fitting and fixing country made GP (Gress Porcellanto) - glazed or unglazed homogeneous floor tiles complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor				



	GP (homogeneous) 300 mm x 300 mm floor tiles					
					= 13.63	sqm
9.	Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor					
	Wall tiles less than, equal or equivalent to 250 mm x 330 mm in sizes					
					= 19.04	sqm
9.	Supplying, fitting and fixing country made GP homogeneous stair tiles having non skidding offsets, complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor					
	Glazed stair tiles having size of width 250 mm to 300 mm and length 300 mm					
					= 2.23	sqm
10.	RCC WORKS: 1:2:4 (measured on gross concrete section) ($f_c = 19$ MPa, minimum $f_{cr} = 26$ MPa in nominal mix 1:2:4), with Brick Chips (Sand of F.M. 1.2 and F.M. 2.2 in equal proportion)					





Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.45 and minimum $f_{cr} = 26$ MPa, satisfying a specified compressive strength $f_c = 19$ MPa at 28 days on standard cylinders as per standard practice of Code ACI / BNBC, cement conforming to BDS EN-197-1-CEM-I, 52.5N, best quality sand [50% quantity of best local sand (F.M. 1.2) and 50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming to ASTM C-33 including conducting necessary tests, breaking chips and screening, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering).

Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level

= 9.23 cum

11. FORMWORK (Wooden) for boundary wall, gate, centry post etc.

Floor & roof slab

= 63.15 sqm

12. Supplying, fabrication and fixing to detail as per design : ribbed or deformed bar reinforcement (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard)

Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, f_y (R_{eH}) = 400 MPa but f_y not exceeding 480 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength f_u to yield strength f_y , shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.

= 1,149.81 Kg

Total (A 16mm + B 12mm + C



10mm + D 8mm)						
13.	Supply, fitting & fixing window grills made of 10 mm x 10 mm M.S. solid bar @ 100 mm c/c with 25 x 6 mm F.I. Bar for Clamp and no outer frame; including fabrication, welding, cost of electricity workshop charges, carriage, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors accepted by the Engineer-in-charge.(Total weight per sqm should be approx. 14 kg and add or deduct @ 100.00 for each kg/sqm excess or less respectively)					
				= 2.04	sqm	
14.	Supplying, fitting and fixing of aluminium sliding window as per the U.S. Architectural Aluminium Manufacturer's Association (AAMA) standard specification and BDS 1879:2014 having minimum 1.2 mm thick outer bottom (size 75.50 mm, 32 mm, 0.605 kg/m), minimum 1.2 mm thick outer top (size 75.50 mm, 28.50 mm, 0.705 kg/m), minimum 1.2 mm thick shutter top (size 33 mm, 26.80 mm, 0.42 kg/m), minimum 1.2 mm thick shutter bottom (size 60mm, 24.40 mm, 0.589 kg/m), minimum 1.2 mm thick outer side (size 75.50 mm, 19.90 mm, 0.52 kg/m), minimum 1.2 mm thick shutter lock (size 49.20 mm, 25.80 mm, 0.543 kg/m) and minimum 1.2 mm thick inter lock (size 34.40 mm, 32.13 mm, 0.562 kg/m) sections all aluminium members will be anodized to aluminium bronze/silver/ss/black colour with a coat not less than 15 microns in thickness or powder coated to any colour with a coat not less than 25 microns in thickness and density of 4 mg per square cm etc. including all accessories like sliding door key lock, sliding door wheel, sliding door mohiar, sliding door neoprene, bolts and nuts including sealants, keeping provision for fitting 5 mm thick glass including labour charge for fitting of accessories, making grooves and mending good damages, carriage, and electricity complete in all respect as per drawing and accepted by the Engineer-in- charge.					
	Size up to: 1500 mm x 1400 mm.					
	Anodized to any colour					
				= 2.04	sqm	
15.	Minimum 12 mm thick cement sand (F.M. 1:2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in- charge. (Cement: CEM-II/B-M) Ground floor.					
				= 96.00	sqm	



16.	Minimum 12 mm thick cement sand (F.M. 1:2) plaster (1:4) with fresh cement to outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) Ground floor.					
					= 7.27	sqm
17.	Exterior standard acrylic emulsion paint of approved best quality and color having water resisting properties and resistance properties against fungi, fading & flaking delivered from authorized local agent of the manufacturer in a sealed container; applying to exterior surface with surface preparation including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying necessary exterior sealer of specified brand on prepared surface; then applying necessary exterior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of exterior emulsion paint spreading by brush/roller/spray & necessary scaffolding etc. up to desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.					
					= 96.00	sqm
18.	Standard synthetic enamel paint of approved best quality and colour delivered from authorized local agent of the manufacturer in a sealed container, having high water resistance, high bondability, flexibility property; using specified brand thinner applying to metallic or wooden surface by brass/roller/spray in 2 coats over single coat anti- corrosive coating including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, all complete in all floors and accepted by the Engineer-in-charge.					
					= 2.04	sqm





19.	Supplying, fitting and fixing of the best quality any sizes uPVC plastic door shutter with frame having specific gravity of 1.35 - 1.45, panel wall thickness 1.7 mm-2.2 mm, shutter/panel thickness 37.5 mm & weighing 17.25 kg/m ² and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards and ASTM, BS/ISO/IS standards of different sizes uPVC plastic door shutter with uPVC plastic frame (frame size:150mm x 62.50mm) fitting - fixing in brick wall/R.C.C wall with at least 3 Nos. SS hinges by min 64 Nos. Ø 3.17 mm and 3.97 mm 12.7 mm long rivets, 12 nos. 25.4 mm SS screws, Ø 9.38 mm, 150 mm long SS tower bolts 2 nos., 146 mm SS handle by rivet 6 Nos., G.I inner joint, 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 6 Nos. GI clamp, 2 nos. outer GI joint clamp making necessary grooves and mending good the damages, finishing, curing, carrying the same to the site and local carriage etc. complete in all respect and accepted by the Engineer-in-charge.					
					= 3.25	sqm
20.	Supplying, fitting and fixing M.S. door shutters with red oxide 1 coat and enamel paint 2 coats made with 38 mm x 38 mm x 6 mm angle outer frame, inner member 25 mm x 6 mm F.I. bar, cladding with 16 BWG M.S. sheet, 04 nos 75 mm long hinge, 02 nos. two side handle locking arrangement, 19mm dia GI pipe 457mm long toilet inside gandle with 50 mm x 50 mm x 6 mm M.S. angle chowkat including all charges for welding, riveting etc. including cost of supplying all essential fittings like iron hinges, socket bolts, clamps, for fitting and fixing the frame, making necessary holes in brick walls and R.C.C works and fitting with C.C. (1:2:4) and mending good the damages including all cost of carriage, workshop charges, electricity and labour for fittings, fixing, curing etc. all complete and accepted by the Engineer-in charge. (Rate is excluding the costs of painting).					
					= 2.28	sqm
21.	Supplying, fitting and fixing stainless steel (SS) stair railing of standard height with 2 mm thick 62 mm dia SS pipe for hand-rail, 2 mm thick 40 mm dia 5 nos vertical SS pipes in each flight, 1.5 mm thick 20 mm dia 5 nos horizontal SS pipes as per drawing, design including carrying, polishing, fabricating, welding and fixing with tread by 25 mm long royal bolt etc.all complete and accepted by the Engineer-in-charge.					
					= 1.49	sqm

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(Part-B: Sanitary Work)

Sl no	Description of Item	Unit	Unit Rate	Amount
1.	Supplying, fitting and fixing of European type country made best quality glazed porcelain combi closet (two piece), including plastic seat cover with soft closing, cistern system, water consumption 6 litre, siphon wash down/siphon jet single or dual flushing system which reduce water consumption, hygienic glaze in toilet bowl, glaze in inner waste line, round bowl, outlet range 280~305 mm. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position preparing the base with cement concrete and with wire mesh or rods if necessary, in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing, complete with all necessary fittings and connection approved and accepted by the Engineer- in- charge.			
	Approx. 670~690 X 360~ 362 mm size, minimum 27.5 kg of weight; Equivalent to Stella:Victoria/ Stella:Imola/ RAK:Amy/ RAK:Karla or similar brand			
		= 1.00	each	
2.	Supplying and fitting-fixing stainless steel hand / push shower for ablution including holder etc. all complete approved and accepted by the Engineer- in- charge.			
	Moving type push shower			
		= 1.00	each	



3.	Supplying, fitting and fixing of Bangladesh pattern, long pan with foot-rest. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position preparing the base of pan with cement mortar (1:4) and with wire mesh or rods, if necessary in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
	Approx. 520 X 406.4 X 223.52 mm size, minimum 10.0 kg of weight			
		= 2.00	each	
4.	Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
	Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
		= 2.00	each	

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5.	Supplying of country made glazed vitreous W/H wash basin of any color including pedestal. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with heavy type C.I. Brackets. 30 mm dia PVC waste water pipe with brass coupling (not exceeding 750 mm in length), basin waste with chain plug including making holes in walls and floors and fitting with wall, screws and mending good the damages, finishing etc. all complete approved and accepted by the Engineer-in-charge.				
	Approx. 457 x 406 mm, minimum weight 15.3 kg				
				= 3.00	each
6.	Supplying, fitting and fixing of 5 mm thick unframed super quality double coated mirror with all necessary fitting including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.				
	Belgium Mirror, 5 mm thickness				
				= 3.00	sqm
7.	Supplying, fitting and fixing of super quality 600 mm x 125 mm white glass (plate) shelf having 5 mm thickness with fancy C.P. brackets, screws and frames including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.				
				= 3.00	each

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8.	Supplying, fitting and fixing of country made best quality towel rail/ ring/ shelf minimum 20 mm in dia with C.P. holder including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.			
	600 mm long C.P. single towel rail	= 4.00	each	
9.	Stainless steel toilet paper holder	= 2.00	each	
10.	Stainless steel soap tray	= 4.00	each	
11.	Supplying, fitting and fixing of floor grating net in traps or in drains including making holes in walls/ floors and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge of following type.			
	Approx. 100~125 mm dia stainless steel floor grating net	= 7.00	each	
12.	Supplying, fitting and fixing of best quality country made 12 mm bib cock made from copper or copper alloy, chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer- in- charge.			
	Round headed CP Conceal Bib Cock short body (Essco/ coaster/ star/ diamond/ delux/ deco/ orbed/ delin/ triple/ master/ classic headed or similar head)	= 5.00	each	





13.	Supplying, fitting and fixing of best quality surface mounted or conceal stop cock/angle stop cock (lever or round headed) with wall flange chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.				
	12 mm dia CP Concealed Stop Cock				
	CP Two in One angle stop cock	= 9.00	each		
		= 1.00	each		
14.	Supplying, fitting and fixing of best quality pillar cock made from copper or copper alloy, chromium plated materials. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.				
	CP Round headed fixed Pillar cock				
		= 3.00	each		
15.	Supplying different inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35 - 1.45, wall thickness 2.5 mm - 3.0 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitting and fixing in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating/ domed roof grating bands, sockets etc. approved and accepted by the Engineer- in-charge.				
	100 mm inside dia wall thickness 3.4- 4.0 mm				
		= 21.34	meter		



20/8/20

16.	Supplying different inside dia best quality uPVC pressure 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 etc. approved and accepted by the Engineer-in-charge.			
	12 mm dia wall thickness 1.7 mm - 2.8 mm			
		= 6.10	meter	
	32 mm dia wall thickness 2.7 mm - 3.6 mm			
		= 21.34	meter	
17.	Supplying, fitting and fixing of R.C.C ring 1' height x 3' dia and 2.5" thick each. Including cost of all materials carrying, accessories, scaffoldings, labour for installation, etc. all complete as per drawing, design and accepted by the Engineer-in-charge.			
		= 9.00	each	
18.	Supplying, fitting, and fixing stainless steel (SS) pipe handle 460 mm long, 40 mm dia and 2 mm thick, on both sides of the high commode, as per approved drawing and design, including carrying, polishing, fabrication, welding, and fixing with the toilet wall, all complete as directed and accepted by the Engineer-in-Charge.			
		= 3.00	each	
19.	Providing and laying only a 40-foot-deep tube well pipe for water supply to the toilet, including 40 feet of 1½-inch UPVC riser pipe, 5 feet of GI pipe, a 10-foot well screen (filter), a 10" x 10" x 1'-6" cement concrete (C.C.) platform/block, and all necessary fittings, accessories, supporting materials, transportation, labour, and incidental works, complete in all respects, as directed and approved by the Engineer-in-Charge (EIC). (excluding the hand pump, motor, or water connection),			
		= 1.00	Job	
20.	Supply of materials for toilet facilities, including 01 (one) pedal bin (12-liter capacity, RFL brand), 04 (Four) traditional plastic water pot (Bodna) of 2.5-liter capacity suitable for long pan toilets, and cleaning accessories comprising 02 (two) toilet brushes, 02 (two) plastic buckets (10-liter capacity each), 02 (two) plastic mugs (2-liter capacity each), 02 (two) pairs of sandals, and other necessary items as required.			
		= 1.00	Job	
		Total =		



(Part-C: Electrical Work)

Item no.	Description of Item	Unit	Quantity	Unit Price	Total Price
1	PVC Pipe fitting with necessary fittings like screw, Nail, And G.I. Wire etc. complete as per drawings and direction Engineering- in- charge. All pipes will consider as RFL / Bashudhara or equ.				
	3/4-1" PVC pipe Brand RFL / Bashudhara or equ.	Rft.	130		
2	Light Fittings Brand: Nimo /energy+				
	LED light 18w	Nos	7		
3	Supplying & installation of surface conduit wiring with the following PVC insulated & sheathed stranded FRLS cable (BYM) & green Colored PVC insulated ECC wire (BYA) through PVC Conduit complete with fixing materials & other accessories as specified Manufacturer of cable BRB according to the Specification & direction of the Engineer- in-charge. Laying / Fitting / fixing of FRLS BYA cable of any size wiring as per drawing and Direction of engineering in charge.				
	a. Supply & installation of 1C-1.5rm cable BYA BRB	Coile	1.5		
	b. Supply & installation of 1C-2.5rm cable BYA BRB	Coile	1		
	c. Supply & installation of 1C-1.5re cable BYA BRB	Coile	0.5		
	d. Supply & installation of 1C-4.0rm cable BYA BRB	Coile	0.25		
4	Switch & Socket Fitting / fixing in position of as per direction of Engineering in charge . Brand: Energypac / MK/ Superstar white				
	1 gang Switch	Nos	4		
	3 gang Switch	Nos	2		
	4 gang Switch	Nos	2		
	13A 3 Pin Socket	Nos	2		
	1-4 gang steel box / pull boxes/plastic	Gang	5		
5	Circuit Breaker Brand: Legrand / Heavels or equ.				
	16 MPR	Nos	1		





	10 MPR	Nos	3		
	SB Board 06 point	Nos	1		
6	Fitting & fixing shadle, rowal plug, tee, bend, circular box, etc. all complete as per drawing and direction of Engineer in charge.				
		Lot	1		
		Total =			

BoQ (6) : Kachichar Boys & Girls (BAG) High School

Summary		
Sl no	Description	Amount
1.	Part-A: Civil Works	
2.	Part- B: Internal Sanitary works	
3.	Part-C: Electrical works	
6. Kachichar Boys and Girls High School Total cost =		

(Part-A: Civil Work)				
Sl no	Description of Item	Unit	Unit Rate	Amount
1.	Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer- in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.			
a	Layout and marking for earthwork in excavation in foundation accepted by the Engineer-in-charge. [Plinth area of the structure shall be considered for measurement]			
			= 19.51 sqm	
b	Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead			



					= 9.80	cum			
2.	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.								
					= 9.00	cum			
3.	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge.								
					= 23.43	sqm			
4.	Mass concrete (1:2:4) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in- charge. (Cement: CEM-II / B-M)								
	Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2.								
					= 2.09	cum			
5.	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by Engineer-in-charge.								
					= 23.43	sqm			
6.	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge.(Cement: CEM-II/B-M)								
					= 4.22	cum			
7.	125 mm brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand, curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor								
					= 54.27	sqm			



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8.	Supplying, fitting and fixing country made GP (Gress Porcellanto) - glazed or unglazed homogeneous floor tiles complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor			
	GP (homogeneous) 300 mm x 300 mm floor tiles			
			= 17.23	sqm
9.	Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor			
	Wall tiles less than, equal or equivalent to 250 mm x 330 mm in sizes			
			= 31.17	sqm
9.	Supplying, fitting and fixing country made GP homogeneous stair tiles having non skidding offsets, complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor			
	Glazed stair tiles having size of width 250 mm to 300 mm and length 300 mm			
			= 2.23	sqm
10.	RCC WORKS: 1:2:4 (measured on gross concrete section) (f _c = 19 MPa, minimum f _{cr} = 26 MPa in nominal mix 1:2:4), with Brick Chips (Sand of F.M. 1.2 and F.M. 2.2 in equal proportion)			



Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, f_y (R_{eH}) = 400 MPa but f_y not exceeding 480 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength f_u to yield strength f_y , shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.

Total (A 16mm + B 12mm + C 10mm)		= 1,082.34	Kg		
13.	Supply, fitting & fixing window grills made of 10 mm x 10 mm M.S. solid bar @ 100 mm c/c with 25 x 6 mm F.I. Bar for Clamp and no outer frame; including fabrication, welding, cost of electricity workshop charges, carriage, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors accepted by the Engineer-in-charge.(Total weight per sqm should be approx. 14 kg and add or deduct @ 100.00 for each kg/sqm excess or less respectively)				
		= 1.86	sqm		
14.	Supplying, fitting and fixing of aluminium sliding window as per the U.S. Architectural Aluminium Manufacturer's Association (AAMA) standard specification and BDS 1879:2014 having minimum 1.2 mm thick outer bottom (size 75.50 mm, 32 mm, 0.605 kg/m), minimum 1.2 mm thick outer top (size 75.50 mm, 28.50 mm, 0.705 kg/m), minimum 1.2 mm thick shutter top (size 33 mm, 26.80 mm, 0.42 kg/m), minimum 1.2 mm thick shutter bottom (size 60mm, 24.40 mm, 0.589 kg/m), minimum 1.2 mm thick outer side (size 75.50 mm, 19.90 mm, 0.52 kg/m), minimum 1.2 mm thick shutter lock (size 49.20 mm, 25.80 mm, 0.543 kg/m) and minimum 1.2 mm thick inter lock (size 34.40 mm, 32.13 mm, 0.562 kg/m) sections all aluminium members will be anodized to aluminium bronze/silver/ss/black colour with a coat not less than 15 microns in thickness or powder coated to any colour with a coat not less than 25 microns in thickness and density of 4 mg per square cm etc. including all accessories like sliding door key lock, sliding door wheel, sliding door mohiar, sliding door neoprene, bolts and nuts including sealants, keeping provision for fitting 5 mm thick glass including labour charge for fitting of accessories, making grooves and mending good damages, carriage, and electricity complete in all respect as per drawing and accepted by the Engineer-in- charge.				
	Including 5mm glass				
	Size up to: 1500 mm x 1400 mm.				



	Anodized to any colour					
					= 1.86	sqm
15.	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in- charge. (Cement: CEM-II/B-M) Ground floor.					
					= 108.32	sqm
16.	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) Ground floor.					
					= 12.08	sqm
17.	Exterior standard acrylic emulsion paint of approved best quality and color having water resisting properties and resistance properties against fungi, fading & flaking delivered from authorized local agent of the manufacturer in a sealed container; applying to exterior surface with surface preparation including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying necessary exterior sealer of specified brand on prepared surface; then applying necessary exterior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of exterior emulsion paint spreading by brush/roller/spray & necessary scaffolding etc. up to desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.					
					= 108.32	sqm
18.	Standard synthetic enamel paint of approved best quality and colour delivered from authorized local agent of the manufacturer in a sealed container, having high water resistance, high bondability, flexibility property; using specified brand thinner applying to metallic or wooden surface by brass/roller/spray in 2 coats over single coat anti-corrosive coating including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, all complete in all floors and accepted by the					

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Engineer-in-charge.						
				= 1.86	sqm	
19.	Supplying, fitting and fixing of the best quality any sizes uPVC plastic door shutter with frame having specific gravity of 1.35 - 1.45, panel wall thickness 1.7 mm-2.2 mm, shutter/panel thickness 37.5 mm & weighing 17.25 kg/m ² and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards and ASTM, BS/ISO/IS standards of different sizes uPVC plastic door shutter with uPVC plastic frame (frame size:150mm x 62.50mm) fitting - fixing in brick wall/ R.C.C wall with at least 3 Nos. SS hinges by min 64 Nos. Ø 3.17 mm and 3.97 mm 12.7 mm long rivets, 12 nos. 25.4 mm SS screws, Ø 9.38 mm, 150 mm long SS tower bolts 2 nos., 146 mm SS handle by rivet 6 Nos., G.I inner joint, 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 6 Nos. GI clamp, 2 nos. outer GI joint clamp making necessary grooves and mending good the damages, finishing, curing, carrying the same to the site and local carriage etc. complete in all respect and accepted by the Engineer-in-charge.					
				= 4.88	sqm	
20.	Supplying, fitting and fixing M.S. door shutters with red oxide 1 coat and enamel paint 2 coats made with 38 mm x 38 mm x 6 mm angle outer frame, inner member 25 mm x 6 mm F.I. bar, cladding with 16 BWG M.S. sheet, 04 nos 75 mm long hinge, 02 nos. two side handle locking arrangement, 19mm dia GI pipe 457mm long toilet inside gandle with 50 mm x 50 mm x 6 mm M.S. angle chowkat including all charges for welding, riveting etc. including cost of supplying all essential fittings like iron hinges, socket bolts, clamps, for fitting and fixing the frame, making necessary holes in brick walls and R.C.C works and fitting with C.C. (1:2:4) and mending good the damages including all cost of carriage, workshop charges, electricity and labour for fittings, fixing, curing etc. all complete and accepted by the Engineer-in charge. (Rate is excluding the costs of painting).					
				= 2.28	sqm	





21.	Manufacturing, supplying, fitting and fixing M.S. collapsible gate of any design and shape made of 25 mm x 25 mm x 3 mm M.S. angle placed @ 112 mm c/c vertically and connecting the same with each other by 25 mm x 3 mm M.S flat bar scissors 525 mm, 600 mm long provided in 3 rows including cutting the different M.S. members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable locking arrangement, electrodes, grease and finally placing the same in position in between 2 (two) Nos. 50 mm x 50 mm x 6 mm M.S. tee rail made by welding 2 nos. 50 mm x 6 mm M.S. flat bar fitted and fixed at top and bottom with R.C.C. lintel/ roof slab, floors and side wall with required nos. 150 mm to 225 mm long 38 mm x 6 mm M.S. flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C. at the respective point including cutting holes and mending good the damages by pouring concrete (1:2:4) into the holes and finishing, etc. complete, painting 2 (two) coats with approved best quality synthetic enamel paint over a coat of anticorrosive painting, both end carriage, including greasing, electrodes, curing etc. complete as per drawing and design and accepted by the Engineer-in-charge. (Rate is excluding the cost of painting)				
				= 3.69	sqm
22.	Supplying, fitting, and fixing of Wall Cabinet, Model: Wall Cabinet R001 , with dimensions (W x D x H): 600 mm x 350 mm x 450 mm, including all necessary accessories. The work shall include making holes wherever required, repairing any damages caused during installation, and ensuring complete and proper fitting, fixing, and finishing. All works must be carried out as per the specifications and to the satisfaction of the Engineer-in-Charge. (Preferred brands: Otobi / Hatil)				
	To be used for storing MHM materials.				
				= 1.00	each
23.	Supply of materials for toilet facilities, including 01 (one) pedal bin (12-liter capacity, RFL brand), 04 (Four) traditional plastic water pot (Bodna) of 2.5-liter capacity suitable for long pan toilets, and cleaning accessories comprising 02 (two) toilet brushes , 02 (two) plastic buckets (10-liter capacity each) , 02 (two) plastic mugs (2-liter capacity each) , 02 (two) pairs of sandals , and other necessary items as required.				
				= 1.00	Job
				Total =	

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(Part-B: Sanitary Work)

Sl no	Description of Item	Unit	Unit Rate	Amount
1.	Supplying, fitting and fixing of European type country made best quality glazed porcelain combi closet (two piece), including plastic seat cover with soft closing, cistern system, water consumption 6 litre, siphon wash down/siphon jet single or dual flushing system which reduce water consumption, hygienic glaze in toilet bowl, glaze in inner waste line, round bowl, outlet range 280~305 mm. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position preparing the base with cement concrete and with wire mesh or rods if necessary, in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing, complete with all necessary fittings and connection approved and accepted by the Engineer- in- charge.			
	Approx. 670~690 X 360~ 362 mm size, minimum 27.5 kg of weight; Equivalent to Stella:Victoria/ Stella:Imola/ RAK:Amy/ RAK:Karla or similar brand			
		= 2.00	each	
2.	Supplying and fitting-fixing stainless steel hand / push shower for ablution including holder etc. all complete approved and accepted by the Engineer- in- charge.			



	Moving type push shower					
				= 2.00	each	
3.	Supplying, fitting and fixing of country made glazed vitreous china flat or squatting urinal approx. 510 mm x 380 mm x 85 mm in size, minimum 9.5 kg of weight. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer-in-charge.					
	Supplying, fitting and fixing of country made glazed vitreous china flat or squatting urinal approx. 510 mm x 380 mm x 85 mm in size, minimum 9.5 kg of weight. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid,					



Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer-in-charge.

= 2.00

each

4.

Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.

Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.

= 2.00

each



5.	Supplying of country made glazed vitreous W/H wash basin of any color including pedestal. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with heavy type C.I. Brackets. 30 mm dia PVC waste water pipe with brass coupling (not exceeding 750 mm in length), basin waste with chain plug including making holes in walls and floors and fitting with wall, screws and mending good the damages, finishing etc. all complete approved and accepted by the Engineer-in-charge.				
	Approx. 457 x 406 mm, minimum weight 15.3 kg				
				= 3.00	each
6.	Supplying, fitting and fixing of 5 mm thick unframed super quality double coated mirror with all necessary fitting including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.				
	Belgium Mirror, 5 mm thickness				
				= 3.00	sqm
7.	Supplying, fitting and fixing of super quality 600 mm x 125 mm white glass (plate) shelf having 5 mm thickness with fancy C.P. brackets, screws and frames including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the				

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	Engineer-in-charge.					
				= 3.00	each	
8.	Supplying, fitting and fixing of country made best quality towel rail/ ring/ shelf minimum 20 mm in dia with C.P. holder including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.					
	600 mm long C.P. single towel rail					
				= 3.00	each	
9.	Stainless steel toilet paper holder					
				= 4.00	each	
10.	Stainless steel soap tray					
				= 4.00	each	
11.	Supplying, fitting and fixing of floor grating net in traps or in drains including making holes in walls/ floors and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge of following type.					
	Approx. 100~125 mm dia stainless steel floor grating net					
				= 7.00	each	
12.	Supplying, fitting and fixing of best quality country made 12 mm bib cock made from copper or copper alloy, chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer- in- charge.					
	Round headed CP Conceal Bib Cock short body (Essco/ coaster/ star/ diamond/ delux/ deco/ orbed/ delin/ triple/ master/ classic headed or similar head)					
				= 8.00	each	





13.	Supplying, fitting and fixing of best quality surface mounted or conceal stop cock/angle stop cock (lever or round headed) with wall flange chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.				
	12 mm dia CP Concealed Stop Cock				
				= 12.00	each
	CP Two in One angle stop cock				
				= 2.00	each
14.	Supplying, fitting and fixing of best quality pillar cock made from copper or copper alloy, chromium plated materials. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.				
	CP Round headed fixed Pillar cock				
				= 3.00	each

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15.	Supplying different inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35 - 1.45, wall thickness 2.5 mm - 3.0 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitting and fixing in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating/ domed roof grating bands, sockets etc. approved and accepted by the Engineer- in-charge.			
	100 mm inside dia wall thickness 3.4- 4.0 mm			
			= 15.24	meter
16.	Supplying different inside dia best quality uPVC pressure 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 etc. approved and accepted by the Engineer-in-charge.			
	12 mm dia wall thickness 1.7 mm - 2.8 mm			
			= 6.10	meter
	32 mm dia wall thickness 2.7 mm - 3.6 mm			
			= 24.39	meter
17.	Providing and laying only a 40-foot-deep tube well pipe for water supply to the toilet, including 40 feet of 1½-inch UPVC riser pipe, 5 feet of GI pipe, a 10-foot well screen (filter), a 10" × 10" × 1'-6" cement concrete (C.C.) platform/block, and all necessary fittings, accessories, supporting materials, transportation, labour, and incidental works, complete in all respects, as directed and approved by the Engineer-in-Charge (EIC). (excluding the hand pump, motor, or water connection),			
			= 1.00	Job
18.	Supplying and installation of centrifugal pump motor to lift water from underground reservoir/deep tube-well to different building. The pump installed on concrete foundation and supplying necessary anchor bolts, nuts and other fixers in/c fitting and fixing the pumps and motors in position etc. all. complete as per direction of the E-I-C. (RFL/GAZI approved quality) 440 volts 3-phase 10mm 1 HP			
			= 1.00	each



19.	Supplying, fitting and fixing of food graded plastic overhead water reservoir /tank including all necessary fittings, hardware and consumables etc. all complete approved and accepted by the Engineer- in- charge.				
	1000 liter capacity				
				= 1.00	each
20.	Supplying, fitting and fixing of R.C.C ring 1' height x 3' dia and 2.5" thick each. Including cost of all materials carrying, accessories, scaffoldings, labour for installation, etc. all complete as per drawing, design and accepted by the Engineer-in-charge.				
				= 9.00	each
21.	Supplying, fitting, and fixing stainless steel (SS) pipe handle 460 mm long, 40 mm dia and 2 mm thick, on both sides of the high commode, as per approved drawing and design, including carrying, polishing, fabrication, welding, and fixing with the toilet wall, all complete as directed and accepted by the Engineer-in-Charge.				
				= 2.00	each
Total =					

(Part-C: Electrical Work)

Item no.	Description of Item	Unit	Quantity	Unit Price	Total Price
1	PVC Pipe fitting with necessary fittings like screw, Nail, And G.I. Wire etc. complete as per drawings and direction Engineering- in- charge. All pipes will consider as RFL / Bashudhara or equ.				
	3/4-1" PVC pipe Brand RFL / Bashudhara or equ.	Rft.	100		
2	Light Fittings Brand: Nimo /energy+				
	LED light 18w	Nos	6		



3	Supplying & installation of surface conduit wiring with the following PVC insulated & sheathed stranded FRLS cable (BYM) & green Colored PVC insulated ECC wire (BYA) through PVC Conduit complete with fixing materials & other accessories as specified Manufacturer of cable BRB according to the Specification & direction of the Engineer- in-charge. Laying / Fitting / fixing of FRLS BYA cable of any size wiring as per drawing and Direction of engineering in charge.				
	a. Supply & installation of 1C-1.5rm cable BYA BRB	Coile	1.5		
	b. Supply & installation of 1C-2.5rm cable BYA BRB	Coile	1		
	c. Supply & installation of 1C-1.5re cable BYA BRB	Coile	0.5		
	d. Supply & installation of 1C-4.0rm cable BYA BRB	Coile	0.25		
4	Switch & Socket Fitting / fixing in position of as per direction of Engineering in charge . Brand: Energypac / MK/ Superstar white				
	1 gang Switch	Nos	3		
	3 gang Switch	Nos	2		
	4 gang Switch	Nos	2		
	13A 3 Pin Socket	Nos	1		
	1-4 gang steel box / pull boxes/plastic	Gang	5		
5	Circuit Breaker Brand: Legrand / Heavels or equ.				
	16 MPR	Nos	1		
	10 MPR	Nos	3		
	SB Board 06 point	Nos	1		
6	Fitting & fixing shadle, rowal plug, tee, bend, circular box, etc. all complete as per drawing and direction of Engineer in charge.				
		Lot	1		
	Total =				

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20/10/20

BoQ (7) : Chaitar Khamar Junior High School

Summary		
Sl no	Description	Amount
1.	Part-A: Civil Works	
2.	Part- B: Internal Sanitary works	
3.	Part-C: Electrical works	
7. Chaitar Khamar Junior High School Total cost =		

(Part-A: Civil Work)				
Sl no	Description of Item	Unit	Unit Rate	Amount
1.	Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench- mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer- in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.			
a	Layout and marking for earthwork in excavation in foundation accepted by the Engineer-in-charge. [Plinth area of the structure shall be considered for measurement]			
		= 20.90	sqm	
b	Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead			
		= 19.84	cum	

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2.	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.					
					= 22.23	cum
3.	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge.					
					= 44.57	sqm
4.	Mass concrete (1:2:4) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in-charge. (Cement: CEM-II / B-M)					
	Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2.				= 3.30	cum
5.	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by Engineer-in-charge.					
					= 40.18	sqm
6.	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge.(Cement: CEM-II/B-M)					
					= 10.85	cum





7.	125 mm brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand, curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor					
					= 30.52	sqm
8.	Supplying, fitting and fixing country made GP (Gress Porcellanto) - glazed or unglazed homogeneous floor tiles complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor					
	GP (homogeneous) 300 mm x 300 mm floor tiles					
					= 28.34	sqm
9.	Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor					
	Wall tiles less than, equal or equivalent to 250 mm x 330 mm in sizes					
					= 35.91	sqm
9.	Supplying, fitting and fixing country made GP homogeneous stair tiles having non skidding offsets, complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care					

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	etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor			
	Glazed stair tiles having size of width 250 mm to 300 mm and length 300 mm			
			= 4.65	sqm
10.	Supplying, fitting and fixing 20 mm to 25 mm thick machine made cement pavement tiles having minimum compressive strength of 27 MPa, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and making the joints carefully in true straight line including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor			
	Pavement tiles of size 300 mm x 300 mm			
			= 5.20	sqm
11.	Supply, fitting & fixing window grills made of 10 mm x 10 mm M.S. solid bar @ 100 mm c/c with 25 x 6 mm F.I. Bar for Clamp and no outer frame; including fabrication, welding, cost of electricity workshop charges, carriage, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors accepted by the Engineer-in-charge. (Total weight per sqm should be approx. 14 kg and add or deduct @ 100.00 for each kg/sqm excess or less respectively)			
			= 3.53	sqm



14.	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) Ground floor.					
				= 16.26	sqm	
15.	Exterior standard acrylic emulsion paint of approved best quality and color having water resisting properties and resistance properties against fungi, fading & flaking delivered from authorized local agent of the manufacturer in a sealed container; applying to exterior surface with surface preparation including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying necessary exterior sealer of specified brand on prepared surface; then applying necessary exterior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of exterior emulsion paint spreading by brush/roller/spray & necessary scaffolding etc. up to desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.					
				= 63.82	sqm	
16.	Standard synthetic enamel paint of approved best quality and colour delivered from authorized local agent of the manufacturer in a sealed container, having high water resistance, high bondability, flexibility property; using specified brand thinner applying to metallic or wooden surface by brass/roller/spray in 2 coats over single coat anti-corrosive coating including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, all complete in all floors and accepted by the Engineer-in-charge.					
				= 6.78	sqm	





17.	Supplying, fitting and fixing of the best quality any sizes uPVC plastic door shutter with frame having specific gravity of 1.35 - 1.45, panel wall thickness 1.7 mm-2.2 mm, shutter/panel thickness 37.5 mm & weighing 17.25 kg/m ² and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards and ASTM, BS/ISO/IS standards of different sizes uPVC plastic door shutter with uPVC plastic frame (frame size:150mm x 62.50mm) fitting - fixing in brick wall/ R.C.C wall with at least 3 Nos. SS hinges by min 64 Nos. Ø 3.17 mm and 3.97 mm 12.7 mm long rivets, 12 nos. 25.4 mm SS screws, Ø 9.38 mm, 150 mm long SS tower bolts 2 nos., 146 mm SS handle by rivet 6 Nos., G.I inner joint, 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 6 Nos. GI clamp, 2 nos. outer GI joint clamp making necessary grooves and mending good the damages, finishing, curing, carrying the same to the site and local carriage etc. complete in all respect and accepted by the Engineer-in-charge.					
					= 1.63	sqm
18.	Supplying, fitting and fixing M.S. door shutters with red oxide 1 coat and enamel paint 2 coats made with 38 mm x 38 mm x 6 mm angle outer frame, inner member 25 mm x 6 mm F.I. bar, cladding with 16 BWG M.S. sheet, 04 nos 75 mm long hinge, 02 nos. two side handle locking arrangement, 19mm dia GI pipe 457mm long toilet inside gandle with 50 mm x 50 mm x 6 mm M.S. angle chowkat including all charges for welding, riveting etc. including cost of supplying all essential fittings like iron hinges, socket bolts, clamps, for fitting and fixing the frame, making necessary holes in brick walls and R.C.C works and fitting with C.C. (1:2:4) and mending good the damages including all cost of carriage, workshop charges, electricity and labour for fittings, fixing, curing etc. all complete and accepted by the Engineer-in charge. (Rate is excluding the costs of painting).					
					= 1.63	sqm





19.	Supply, fabrication and installation of hot rolled structural grade steel channel and angle in roof truss or any form of structure of any thickness conforming to ASTM A36 with a minimum yield strength of 250 MPa, including the cost of testing, application of red/grey-oxide primer etc. (up to level- 4) all complete as per drawing, specification and direction of Engineer-in-charge.			
-				
	Total	= 231.88	Kg	
20.	Supply and installation of 0.35 mm thick corrugated galvanized color iron sheet (Bangladesh made) having min weight 63-65 kg per bundle (2'-6" width, 70 – 72 rft long) fitted and fixed on M.S. sections with 'J' hook or wooden purlin with screws, limpet washers and putty etc. (up to level-4) all complete and accepted by the Engineer-in-charge.			
		= 43.11	sqm	
19.	Supplying, fitting, and fixing of Wall Cabinet, Model: Wall Cabinet R001 , with dimensions (W x D x H): 600 mm x 350 mm x 450 mm, including all necessary accessories. The work shall include making holes wherever required, repairing any damages caused during installation, and ensuring complete and proper fitting, fixing, and finishing. All works must be carried out as per the specifications and to the satisfaction of the Engineer-in-Charge. (Preferred brands: Otobi / Hatil)			
	To be used for storing MHM materials.			
		= 1.00	each	
20.	Supply of materials for toilet facilities, including 01 (one) pedal bin (12-liter capacity, RFL brand), 04 (Four) traditional plastic water pot (Bodna) of 2.5-liter capacity suitable for long pan toilets, and cleaning accessories comprising 02 (two) toilet brushes , 02 (two) plastic buckets (10-liter capacity each), 02 (two) plastic mugs (2-liter capacity each), 02 (two) pairs of sandals , and other necessary items as required.			
		= 1.00	Job	
	Total =			



(Part-B: Sanitary Work)

Sl no	Description of Item	Unit	Unit Rate	Amount
1.	Supplying, fitting and fixing of country made glazed vitreous china flat or squatting urinal approx. 510 mm x 380 mm x 85 mm in size, minimum 9.5 kg of weight. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer-in-charge.			
	Supplying, fitting and fixing of country made glazed vitreous china flat or squatting urinal approx. 510 mm x 380 mm x 85 mm in size, minimum 9.5 kg of weight. The sanitary ware shall conform			



BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following:
a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer-in-charge.

= 3.00 each





2.	Supplying, fitting and fixing of Bangladesh pattern, long pan with foot-rest. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position preparing the base of pan with cement mortar (1:4) and with wire mesh or rods, if necessary in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
	Approx. 520 X 406.4 X 223.52 mm size, minimum 10.0 kg of weight			
			= 2.00	each
3.	Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.			
	Supplying, fitting and fixing of plastic low-down of any color, on walls or directly over water closet			

[Signature]



[Signature]

	with necessary accessories, making holes wherever required and mending good the damages and fitting, fixing & finishing etc. complete with all necessary fittings and connections approved and accepted by the Engineer-in-charge.				
				= 2.00	each
4.	Supplying of country made glazed vitreous W/H wash basin of any color including pedestal. The sanitary ware shall conform BDS1162:2014. The glaze shall be thoroughly fused to body. The minimum thickness of body at any section shall be 5 mm. When assembled together and when examined from a distance of 60 cm, the outer surface shall not show to the unaided eye, blemishes or defects in excess of those listed in BDS standard. The mean value of water absorption shall not be greater than 0.5% of the ware when dry. When tested with chemical solutions (Acetic acid, Citric acid, Detergent, Hydrochloric acid, Sodium hydroxide, Sodium stearate and Sulfuric acid of various strength) as per BDS1162:2014 procedure, none of the test pieces should suffer any loss of reflectivity on the glaze. There shall be no crazing and no stain on the ware. The materials used for making glaze shall not contain lead compound. In case of certain coloring oxides used for making colored glaze, the lead content, if any, shall not exceed 5 percent of the weight of the glaze materials. Appliances shall be clearly and indelibly marked at a prominent place, visible even after the appliances are installed with the following: a) manufacturer's name and/or registered trademark, b) the number of Bangladesh standard and c) country of origin. Each product shall also be marked with the BSTI Certification Mark. The fixture should be placed in position with heavy type C.I. Brackets. 30 mm dia PVC waste water pipe with brass coupling (not exceeding 750 mm in length), basin waste with chain plug including making holes in walls and floors and fitting with wall, screws and mending good the damages, finishing etc. all complete approved and accepted by the Engineer-in-charge.				
	Approx. 457 x 406 mm, minimum weight 15.3 kg				
				= 3.00	each





5.	Supplying, fitting and fixing of 5 mm thick unframed super quality double coated mirror with all necessary fitting including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.					
	Belgium Mirror, 5 mm thickness					
				= 3.00	sqm	
6.	Supplying, fitting and fixing of super quality 600 mm x 125 mm white glass (plate) shelf having 5 mm thickness with fancy C.P. brackets, screws and frames including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.					
				= 3.00	each	
7.	Supplying, fitting and fixing of country made best quality towel rail/ ring/ shelf minimum 20 mm in dia with C.P. holder including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge.					
	600 mm long C.P. single towel rail					
				= 6.00	each	
8.	Stainless steel toilet paper holder					
				= 5.00	each	
9.	Stainless steel soap tray					
				= 3.00	each	
10.	Supplying, fitting and fixing of floor grating net in traps or in drains including making holes in walls/ floors and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer-in-charge of following type.					
	Approx. 100~125 mm dia stainless steel floor grating net					
				= 4.00	each	





11.	Supplying, fitting and fixing of best quality country made 12 mm bib cock made from copper or copper alloy, chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer- in- charge.			
	12 mm CP open Bib Cock			
			= 6.00	each
12.	Supplying, fitting and fixing of best quality surface mounted or conceal stop cock/angle stop cock (lever or round headed) with wall flange chromium plated. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.			
	12 mm dia CP Concealed Stop Cock			
			= 6.00	each
	CP Two in One angle stop cock			
			= 3.00	each

SM



20/10/16

13.	Supplying, fitting and fixing of best quality pillar cock made from copper or copper alloy, chromium plated materials. The faucet conforms BDS EN 200:2009. The faucet tap shall be free from any leakage, permeation and other abnormalities. The water hammer value shall be 1.47 MPa or under. The faucet after it has been operated 100000 times it shall be free from a seat- leakage and shall satisfy the reverse flow preventing performance. The inside and outside surfaces of the faucet shall be smooth and be free from blowholes, fissures, remarkable flows or injurious defects. The chromium plating on the faucet shall be of class 2 grade 1. The final coating should be done with chromium of minimum 0.1 micron. The faucet shall be made leak proof and fixing in position with selected tape etc. all complete approved and accepted by the Engineer-in-charge.				
	CP Round headed fixed Pillar cock				
				= 3.00	each
14.	Supplying different inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35 - 1.45, wall thickness 2.5 mm - 3.0 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitting and fixing in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating/ domed roof grating bands, sockets etc. approved and accepted by the Engineer- in-charge.				
	100 mm inside dia wall thickness 3.4- 4.0 mm				
				= 15.24	meter
15.	Supplying different inside dia best quality uPVC pressure 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 etc. approved and accepted by the Engineer-in-charge.				
	12 mm dia wall thickness 1.7 mm - 2.8 mm				
				= 6.10	meter
	32 mm dia wall thickness 2.7 mm - 3.6 mm				
				= 24.39	meter



16.	Providing and laying only a 40-foot-deep tube well pipe for water supply to the toilet, including 40 feet of 1½-inch UPVC riser pipe, 5 feet of GI pipe, a 10-foot well screen (filter), a 10" × 10" × 1'-6" cement concrete (C.C.) platform/block, and all necessary fittings, accessories, supporting materials, transportation, labour, and incidental works, complete in all respects, as directed and approved by the Engineer-in-Charge (EIC). (excluding the hand pump, motor, or water connection),				
				= 1.00	Job
17.	Supplying and installation of centrifugal pump motor to lift water from underground reservoir/deep tube-well to different building. The pump installed on concrete foundation and supplying necessary anchor bolts, nuts and other fixers in/c fitting and fixing the pumps and motors in position etc. all complete as per direction of the E-I-C. (RFL/GAZI approved quality) 440 volts 3-phase 10mm 1 HP				
				= 1.00	each
18.	Supplying, fitting and fixing of food graded plastic overhead water reservoir /tank including all necessary fittings, hardware and consumables etc. all complete approved and accepted by the Engineer-in-charge.				
	1000 liter capacity				
				= 1.00	each
19.	Supplying, fitting and fixing of R.C.C ring 1' height x 3' dia and 2.5" thick each. Including cost of all materials carrying, accessories, scaffoldings, labour for installation, etc. all complete as per drawing, design and accepted by the Engineer-in-charge.				
				= 9.00	each
20.	Supplying, fitting, and fixing stainless steel (SS) pipe handle 460 mm long, 40 mm dia and 2 mm thick, on both sides of the high commode, as per approved drawing and design, including carrying, polishing, fabrication, welding, and fixing with the toilet wall, all complete as directed and accepted by the Engineer-in-Charge.				
				= 2.00	each
				Total =	



(Part-C: Electrical Work)

Item no.	Description of Item	Unit	Quantity	Unit Price	Total Price
1	PVC Pipe fitting with necessary fittings like screw, Nail, And G.I. Wire etc. complete as per drawings and direction Engineering- in- charge. All pipes will consider as RFL / Bashudhara or equ.				
	3/4-1" PVC pipe Brand RFL / Bashudhara or equ.	Rft.	50		
2	Light Fittings Brand: Nimo /energy+				
	LED light 18w	Nos	4		
3	Supplying & installation of surface conduit wiring with the following PVC insulated & sheathed stranded FRLS cable (BYM) & green Colored PVC insulated ECC wire (BYA) through PVC Conduit complete with fixing materials & other accessories as specified Manufacturer of cable BRB according to the Specification & direction of the Engineer- in-charge. Laying / Fitting / fixing of FRLS BYA cable of any size wiring as per drawing and Direction of engineering in charge.				
	a. Supply & installation of 1C-1.5rm cable BYA BRB	Coile	0.25		
	b. Supply & installation of 1C-2.5rm cable BYA BRB	Coile	0.25		
	c. Supply & installation of 1C-1.5re cable BYA BRB	Coile	0.25		
	d. Supply & installation of 1C-4.0rm cable BYA BRB	Coile	0.25		
4	Switch & Socket Fitting / fixing in position of as per direction of Engineering in charge Brand: Energypac / MK/ Superstar white				
	1 gang Switch	Nos	2		
	3 gang Switch	Nos	1		
	4 gang Switch	Nos	1		
	1-4 gang steel box / pull boxes/plastic	Gang	2		



5	Fitting & fixing shadle, rowal plug, tee, bend, circular box, etc. all complete as per drawing and direction of Engineer in charge.				
		Lot	1		
			Total =		

Bidder Signature :

Name :

Name of the Firm :

Address :

.....

Cell Phone:

E-mail (if yes):

(Organization stamp)

Annexure-B

Drawing and Design (Attached)

Note

1. All unit rates and prices quoted by the Tenderers against each item shall include the Tenderer's profit, overheads, VAT and all other charges and thus forth the total Tender Price quoted by the
2. Follow the Guidance notes below in filling this BOQ.





Drawings (optional) (Form STD 4-4)

Drawing /Design is attached (Pages 1 to 9)

Notes on Drawings

Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section or annexed in a separate folder. The Drawings shall be dated, numbered and show the revision number.



A handwritten signature in black ink, consisting of stylized, flowing letters.

A handwritten signature in black ink, consisting of stylized, flowing letters.

Bank Guarantee for Tender Security (Form STD 4-5)

[This is the format for the Tender Security to be issued by any scheduled Bank of Bangladesh]

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. failed to furnish Performance Security within the period stipulated in the NOA; or
- c. refused to sign the Contract Agreement by the time specified in the NOA; or
- d. 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
- (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

Signature



Letter of Commitment for Bank's Undertaking for Line of Credit (Form STD 4-6)

[This is the format for the Credit Line to be issued by any scheduled Bank of Bangladesh]

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

Signature



Notification of Award (Form STD 4-7)

Contract No:

Date:

To :

[Name & address of Supplier/Contractor]

This is to notify you that your Tender dated [insert date of tender opening] for the execution of Works for [name of 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 after evaluation. You are thus requested to:

- i. furnish a Performance Security in the specified format and in the amount of Tk [insert amount in figures and words], within 7 (seven) working days of issuance of this Notification of Award but not later than (specify date),
- ii. sign the Contract within 10 (ten) working days of issuance of this NOA but not later than (specify date), if required.

You may proceed with the execution of 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 :

Name & Designation of the Issuing Authority : Date:



Contract Agreement (Form STD 4-8)

THIS AGREEMENT is made on : [date of contract agreement] between

Name of the Procuring Entity Address :

2. Name of the Contractor Address :

WHEREAS the Procuring Entity invited tenders for certain works, viz, [brief description of works] and has accepted a Tender by the contractor for the execution of those works in the sum of Taka [Contract Price in figures and in words] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS :

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of Contract hereafter referred to.
2. The following documents forming the Contract shall be in the following order of precedence, namely:
 - (a) the signed Form of Contract Agreement,
 - (b) the Notification of Award,
 - (c) the completed Tender,
 - (d) conditions of contract,
 - (e) technical specifications.
 - (f) price and delivery schedule of Goods/ Bill of Quantities;
 - (g) others document, if any
3. In consideration of the payments to be made by the Procuring Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Entity to execute and complete the works and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the Contractor in consideration of the 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.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Bangladesh on the day, month and year first written above.

	For the Procuring Entity	The Supplier/ Contractor
Signature		
Print Name		
Title		
In the presence of Name		
Address		

