STANDARD PROCUREMENT DOCUMENT

**Standard Bidding Document for Procurement of Small Works**

**in Projects with Financing from KfW**

For use in the single-stage national competitive bidding procedure
with qualification for Lumpsum works contracts

Version: Dec 2022

**Preface**

This Standard Bidding Document (“SBD”) for Procurement of Small Works has been prepared by KfW Development Bank (“KfW”) and is based on the Master Procurement Document “Standard Bidding Documents for Procurement of Works and User’s Guide” developed by the Multilateral Development Banks and International Financing Institutions, which represents the best practices of these institutions.

Project Executing Agencies (referred to hereafter as “Employers”) shall use this SBD in the procurement of smaller” contracts typically by National Competitive Bidding (NCB), financed in whole or in part by KfW in single stage National Competitive Bidding (NCB) procedures with qualification. This document is intended as a model in the award of admeasurement (unit prices or unit rates in a bill of quantities) and lump sum types of contracts, which are the most common in Small Works contracting.

This document includes a lump sum contract. Lump sum contracts are used in particular for buildings and other forms of construction where the Works are well defined and are unlikely to change in quantity or specification, and were encountering difficult or unforeseen site conditions (for example, hidden foundation problems) is unlikely. Lump sum contracts should be used for Works that can be defined in their full physical and qualitative characteristics before bids are called, or where the risks of substantial design variations are minimal, such as bus shelters or school ablution units. In lump sum contracts, the concept of priced “activity schedules” is used, to enable payments to be made on the basis of percentage completion of each activity.

The work requirements included herein have been extended to include environmental and social and health and safety requirements (ESHS). These requirements need to be adopted to reflect the ESHS impacts and risks of the implementation of the particular works contract.

This SBD is to be used for the selection of Bidders in single stage National Competitive Bidding procedures with qualification as described in Section 2 of the KfW Guidelines for Procurement of Goods, Works and Associated Services in Financial Cooperation with Partner Countries (“Guidelines”). Employers should seek advice from local competent sources to ascertain its comprehensiveness as well as its suitability in terms of the applicable law. KfW will not be liable for the use of this document by Employers in part or full.

The KfW’s single stage procedure for the Procurement of Small Works involves the use of the one envelope system whereby the Qualification Information and the Bids are placed in one envelope by the Bidders. Following the Bid opening the Employer will award the Contract to the Bidder with the Most Advantageous Bid. The Most Advantageous Bid is the Bid that meets the Qualification Criteria and which has been determined to be substantially responsive to the bidding document and has the lowest evaluated cost.

*[The italicized text in square brackets]* is notes to the Employer, providing guidance to the Employer in preparing a specific bidding document. Notes to the Employer shall be deleted from the document before it is issued to the shortlisted Bidders.

This document includes the FIDIC Short Form of Contract, 1999 Edition, (FIDIC Green Book) as licensed by KfW.

Feedback on or questions about this document should be in writing to the following address:

FZ-Vergabemanagement@kfw.de

Community based Sustainable Forest Management for Water Resources Conservation (COSFOM) Project, Manipur

NCB Number - 1.3.2 / A2 / 2022 03-03-2023

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Bidding Package Number** | **Items** | **Unit** | **Qty** |  | **Estimated Bidding Package Price (Euro)** | **Type of procurement Method of Procurement****/Review** |
| 1.3.2/ A2 | Construction of 4 Rooms Barrack type staff quarters with toilet/kitchen facility and 1 computer room | No | 1 |  | EURO: 1,11,000INR: 97,68,000(1 Euro=88 INR) | Works / NCB /Lumpsum/ Prior |

The Forestry and Water Conservation Society, Manipur has received financing from KfW toward the cost of the Community based Sustainable Forest Management for Water Resources Conservation ("Project") COSFOM project and intends to apply part of the proceeds toward payments under the contract for Construction of 4 Rooms Barrack Types Staff Quarters with Toilet/ Kitchen facility and 1 Computer Room.

The Forestry and Water Conservation Society, Manipur now invites sealed Bids from eligible Bidders for Construction of 4 Rooms Barrack Types Staff Quarters with Toilet/ Kitchen facility and 1 Computer Room, It is the joint project of Government of Manipur and kfw implemented in Manipur, namely Ukhrul and Kangpokpi districts. As part of project intervention in forest infrastructure development, COSFOM is planning to develop the following infrastructure for facilitating project implementation at Motbung, Range Forest Office Complex, Manipur and project has been allotted a time duration of one year.

Bidding will be conducted by means of the National Competitive Bidding procedure with qualification as specified in the KfW Guidelines for Guidelines for Procurement of Goods, Works and associated Services in Financial Cooperation with Partner Countries (“KfW Guidelines”).

Interested eligible Bidders may obtain further information from Forestry and Water Conservation Society, Manipur [Email ID: cfwcs2021@gmail.com].

Interested bidders may download the complete set of bidding documents, from tender/procurement section on the **website: cosfom.mn.gov.in** from **4th March, 2023** onwards or shall obtain from CF&WCS-M Office, Room No.205, 2nd Floor, Forest Office Complex, Mantripukhri, Imphal - 795002. No liability will be accepted for downloading the incomplete document.

Bids must be delivered to the address indicated in the clause ITB 22.1 of the bidding documents on or before **1500 Hours of 17th April, 2023**. Late Bids will be rejected. Bids will be publicly opened in the presence of the bidders’ designated representatives.

All Bids must be accompanied by a Bid Security.

**German Financial Cooperation with India**

Community based Sustainable Forest Management for Water Resources Conservation ("Project") COSFOM project

**Bidding Documents**

**For**

**Procurement of Construction of 4 Rooms Barrack Types Staff Quarters with Toilet/ Kitchen facility and 1 Computer Room at Motbung, Range Forest Office Complex, Manipur**

Community Forestry and Water Conservation Society-Manipur

***December ,2022***

*NCB Number - 1.3.2 / A2 / 2022*

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PART 1 – Bidding Procedures

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| Section I. Instructions to Bidders |

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| Section I. Instructions to Bidders |
|  | A. General |
| 1. Scope of Bid | 1.1 In connection with the Invitation for Bids specified in the Bid Data Sheet (**BDS**), the Employer, as specified in the **BDS**, issues these Bidding Documents (“Bidding Documents”) to Bidders (“Bidders”) interested in submitting bids (“Bids”) for the Works described in Section VII, Works Requirements. In case the Works are to be bid as individual contracts (i.e. the slice and package procedure), these are listed in the **BDS**. The National Competitive Bidding (“NCB”) number corresponding to this bidding process is also provided in the **BDS.** |
|  | 1.2 The successful Bidder shall be expected to complete the Works by the Intended Completion Date specified in the BDS and in the Appendix to Bid. |
|  | 1.3 Throughout these Bidding Documents:(a) The term “in writing” means communicated in written form and delivered against receipt;(b) Except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and(c) “Day” means calendar day. |
| 2. Source of Funds | 2.1 The Employer as indicated in the BDS has applied for or received financing (hereinafter called “funds”) from KfW Development Bank (hereinafter called “KfW”) towards the cost of the project named in the BDS. The Employer intends to apply a portion of the funds to eligible payments under the contract(s) resulting from this bidding process. |
| 3. Corrupt and Fraudulent Practices | 3.1 KfW requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI. |
|  | 3.2 In further pursuance of this policy, Bidders shall permit and shall cause its agents to provide information and permit KfW or an agent appointed by KfW to inspect on site all accounts, records and other documents relating to bid submission and contract performance (in the case of award), and to have them audited by auditors or agents appointed by KfW. |
| 4. Eligible Bidders | 4.1 This Bidding is open to all bidders from eligible countries as defined in KfW’s eligibility criteria to bid in Section V, Eligibility Criteria. |
|  | 4.2 The materials, equipment and services to be supplied under the Contract and financed by the KfW may have their origin in any country subject to the restrictions specified in Section V, Eligibility Criteria, and all expenditures under the Contract will not contravene such restrictions. At the Employer’s request, Bidders may be required to provide evidence of the origin of materials, equipment and services. |
|  | 4.3 Government owned enterprises in the Borrower’s country may participate only if they can establish that they (i) are legally and financially autonomous; and (ii) operate under commercial law. No dependent agency of the Borrower or the Sub-borrower under a Bank financed project shall be permitted to bid or submit a proposal for the procurement of goods or works under the project. |
|  | 4.4 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this procurement process, if the Bidder: (a) Directly or indirectly controls, is controlled by or is under common control with another Bidder; or(b) Receives or has received any direct or indirect subsidy from another Bidder; or(c) Has the same legal representative as another Bidder; or(d) Has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or(e) Participates in more than one bid in this bidding process, both as an individual firm and as a JV member. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one Bid; or (f) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the Bid; or(g) Any of its affiliates has been hired (or is proposed to be hired) by the Employer as Engineer for the Contract implementation; or(h) Has a close business or family relationship with a professional staff of the Employer (or of the project implementing agency, or of a recipient of a part of the funds) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the KfW throughout the procurement process and execution of the contract. |
|  | 4.5 A Bidder shall not be under suspension from bidding by the Employer as the result of the execution of a Bid–Securing Declaration. |
|  | 4.6 This bidding is open only to eligible Bidders, who will be subject to qualification. |
|  | 4.7 A Bidder shall provide such evidence of eligibility satisfactory to the Employer, as specified in ITB 17.1 or as the Employer shall reasonably request. |
|  | 4.8 Partners in a joint venture shall be jointly and severally liable for the execution of the Contract. |
| 5. Qualifications of the Bidder | 5.1 All bidders shall provide in Section IV, Bidding and Qualification Forms, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary. |
|  | 5.2 To qualify for award of the Contract, bidders shall meet the minimum qualifying criteria specified in the Bid Data Sheet and/or in Section III, Evaluation and Qualification Criteria. |
|  | B. Contents of Bidding Documents |
| 6. Sections of Bidding Documents | 6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITB 8.**PART 1 Bidding Procedures**1. Section I. Instructions to Bidders (ITB);
2. Section II. Bid Data Sheet (**BDS**);
3. Section III. Evaluation and Qualification Criteria;
4. Section IV. Bidding and Qualification Forms;
5. Section V. Eligibility Criteria;
6. Section VI. KfW Policy - Corrupt and Fraudulent Practices - Social and Environmental Responsibility;

**PART 2 Works Requirements**1. Section VII. Works Requirements;

**PART 3 Conditions of Contract and Contract Forms**1. Section VIII. General Conditions (GC);
2. Section IX. Particular Conditions (PC);
3. Section X. Contract Forms.
 |
|  | 6.2 The Invitation for Bids issued by the Employer is not part of the Bidding Documents. |
|  | 6.3 Unless obtained directly from the Employer, the Employer is not responsible for the completeness of the Bidding Documents, responses to requests for clarification, minutes of the pre-Bid meeting (if any), or Addenda in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Employer shall prevail. |
|  | 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information and documentation as is required by the Bidding Documents. |
| 7. Clarification of Bidding Documents, Site Visit, Pre-Bid Meeting | 7.1 A Bidder requiring any clarification of the Bidding Documents shall contact the Employer in writing at the Employer’s address specified in the BDS or raise its enquiries during the pre-bid meeting if provided for in accordance with ITB 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received no later than fourteen (14) days prior to the deadline for submission of Bids. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. If so indicated in the BDS, the Employer shall also promptly publish its response at the web page identified in the BDS. Should the Employer deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB 8 and ITB 22.2. |
|  | 7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder’s own expense. |
|  | 7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection. |
|  | 7.4 If so specified in the BDS, the Bidder’s designated representative is invited to attend a pre-bid meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage. |
|  | 7.5 Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting. Unless otherwise specified in the BDS nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder. |
| 8. Amendment of Bidding Documents | 8.1 At any time prior to the deadline for submission of Bids, the Employer may amend the Bidding Documents by issuing an Addendum. |
|  | 8.2 Any Addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents from the Employer in accordance with ITB 6.3. The Employer shall also promptly publish the Addendum on the Employer’s web page in accordance with ITB 7.1. |
|  | 8.3 To give Bidders reasonable time in which to take an Addendum into account in preparing their Bids, the Employer may, at its discretion, extend the deadline for the submission of Bids in accordance with ITB 22.2. |
|  | C. Preparation of BIDS |
| 9. Cost of Bidding | 9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer will be in no case responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. |
| 10. Language of Bid | 10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern. |
| 11. Documents Comprising the Bid | 11.1 The Bid shall comprise the following:(a) Letter of Bid and the Bidding Forms in accordance with ITB 12;(b) Priced Bill of Quantities or Schedules, in accordance with ITB 12 and 14 and as indicated in the BDS;(c) Bid Security, in accordance with ITB 19.1;(d) Qualification Information(e) Alternative Bids, if permissible in accordance with ITB 13;(f) Technical Proposal in accordance with ITB 17;(g) Any other document required in the BDS. |
|  | 11.2 In addition to the requirements under ITB 11.1, Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Bid shall be signed by all members and submitted with the Bid, together with a copy of the proposed Agreement. |
|  | 11.3 The Bidder shall furnish information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid. |
| 12. Letter of Bid, Declaration of Undertaking, Qualification Information, | 12.1 The Letter of Bid, the Declaration of Undertaking, the Bidding Forms and Schedules, including the Bill of Quantities for unit price contracts or the Schedule of Prices in case of lump sum contracts, shall be prepared using the relevant forms furnished in Section IV, Bidding and Qualification Forms. The Letter of Bid must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.4. All blank spaces shall be filled in with the information requested. |
| 13. Alternative Bids | 13.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered. |
|  | 13.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the BDS, and the method of evaluation shall be included in Section III, Evaluation and Qualification Criteria. |
|  | 13.3 Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Documents must first price the Employer’s design as described in the Bidding Documents and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the lowest evaluated Bidder conforming to the Employer’s design of the Bidding Documents shall be considered by the Employer. |
|  | 13.4 When specified in the BDS, Bidders are permitted to submit alternative technical solutions for specified parts of the Works, and such parts will beidentified in Section VII, Works Requirements. The methods for their evaluation shall be described in Section III, Evaluation and Qualification Criteria. |
| 14. Bid Prices and Discounts | 14.1 The prices and discounts quoted by the Bidder in the Letter of Bid and in the Schedules shall conform to the requirements specified below. |
|  | 14.2 The Bidder shall submit a Bid for the whole of the Works described in ITB 1.1, by filling in price(s) for all items of the Works, as identified in Section IV, Bidding and Qualification Forms. The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder shall be deemed covered by the rates for other items in the Bill of Quantities and will not be paid for separately by the Employer. An item not listed in the priced Bill of Quantities shall be assumed to be not included in the Bid, and provided that the Bid is determined substantially responsive notwithstanding this omission, the highest price of the item quoted by substantially responsive Bidders will be added to the Bid price and the equivalent total cost of the Bid so determined will be used for price comparison. |
|  | 14.3 The price to be quoted in the Letter of Bid shall be the total price of the Bid, excluding any discounts offered. |
|  | 14.4 The Bidder shall quote any discounts and the methodology for their application in the Letter of Bid. |
|  | 14.5 Unless otherwise specified in the BDS and the Contract, the rate(s) and price(s) quoted by the Bidder are not subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract. In such a case, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data and the Employer may require the Bidder to justify its proposed indices and weightings. |
|  | 14.6 If so specified in ITB 1.1, Bids are being invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer discounts for the award of more than one Contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4, provided the Bids for all lots (contracts) are opened at the same time. |
|  | 14.7 Unless otherwise specified in the **BDS**, the Bid price shall estimate, as separate amounts, (a) import duties and (b) taxes, fees, levies and other charges, which shall apply, in terms of the Applicable Law, to the Contractor and its sub-Contractors, including their personnel, other than nationals or permanent residents in the Employer’s country as of the date 28 days prior to the deadline for submission of Bids. Unless otherwise stated in the **BDS**, the Contractor and its sub-Contractors are responsible for meeting all tax liabilities arising out of the Contract. |
| 15. Currencies of Bid and Payment | 15.1 The currency(ies) of the Bid and the currency(ies) of payments shall be as specified in the BDS*.* |
|  | 15.2 Bidders may be required by the Employer to justify, to the Employer’s satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the prices shown in the Schedule of Adjustment Data in the Appendix to Bid are reasonable, in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders. |
| 16. Documents Establishing the Qualifications of the Bidder | 16.1 In accordance with Section III, Evaluation and Qualification Criteria, qualification applies as specified in ITB 4.5 and the Bidder shall provide the following information as requested in the corresponding information sheets included in Section IV, Bidding and Qualification Forms, unless otherwise stated in the BDS: (a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business of the Bidder; written power of attorney of the signatory of the Bid to commit the Bidder;(b) total monetary value of construction works performed for each of the last five years;(c) experience in works of a similar nature and size for each of the last five years, and details of work under way or contractually committed; and clients who may be contacted for further information on those contracts;(d) major items of construction equipment proposed to carry out the Contract;(e) qualifications and experience of key site management and technical personnel proposed for the Contract;(f) reports on the financial standing of the Bidder, such as profit and loss statements and auditor’s reports for the past five years;(g) evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);(h) authority to seek references from the Bidder’s bankers;(i) information regarding any litigation, current or during the last five years, in which the Bidder was/is involved, the parties concerned, and the disputed amounts; and awards;(j) proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price. The ceiling for sub contractor's participation is stated in the BDS. |
| 17. Documents Comprising the Technical Proposal | 17.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, Schedules and any other information as stipulated in Section IV Bidding and Qualification Forms, in sufficient detail to demonstrate the adequacy of the Bidder’s proposal to meet the Work requirements and the completion time. |
| 18. Period of Validity of Bids | 18.1 Bids shall remain valid for the period specified in the BDSafter the Bid submission deadline date prescribed by the Employer in accordance with ITB 22.1. A Bid valid for a shorter period shall be rejected by the Employer as non-responsive. |
|  | 18.2 In exceptional circumstances, prior to the expiration of the Bid validity period, the Employer may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended for twenty-eight (28) days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its Bid. |
| 19. Bid Security | 19.1 The Bidder shall furnish as part of its Bid a Bid Security as specified in the **BDS**, in original form and in the amount and currency specified in the BDS. |
|  | 19.2 Reserved. |
|  | 19.3 The Bid Security shall be a demand guarantee in the form of an unconditional guarantee issued by a bank or financial institution (such as an insurance, bonding or surety company) from a reputable source from an eligible country as specified in Section V, Eligibility Criteria. If the unconditional guarantee is issued by a financial institution located outside the Employer’s Country, the issuing financial institution shall have a correspondent financial institution located in the Employer’s Country to make it enforceable. The Bid Security shall be submitted either using the Bid Security Form included in Section IV, Bidding and Qualification Forms, or in another substantially similar format approved by the Employer prior to bid submission. The Bid Security shall be valid for forty-two (42) days beyond the original validity period of the Bid, or beyond any period of extension if requested under ITB 18.2. |
|  | 19.4 Any Bid not accompanied by a substantially responsive Bid Security shall be rejected by the Employer as non-responsive. |
|  | 19.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder’s signing the Contract and furnishing the Performance Security pursuant to ITB 43. |
|  | 19.6 The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance Security. |
|  | 19.7 The Bid Security may be forfeited:* + 1. If a Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Letter of Bid, or any extension thereto provided by the Bidder; or
		2. If the successful Bidder fails to:

(i) Sign the Contract in accordance with ITB 42; or(ii) Furnish a Performance Security in accordance with ITB 43. |
|  | 19.8 The Bid Security of a JV shall be in the name of the JV that submits the Bid. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, the Bid Security shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2. |
| 20. Format and Signing of Bid | 20.1 The Bidder shall prepare one original of the Bid comprising the documents as described in ITB 11 and clearly mark them “Original.” Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked “Alternative.” In addition, the Bidder shall submit copies of the Bid, in the number specified in the BDS and clearly mark them “Copy.” In the event of any discrepancy between the original and the copies, the original shall prevail. |
|  | 20.2 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid where entries or amendments have been made shall be signed or initialled by the person signing the Bid. If the person signing on behalf of the Bidder is the owner, member, or director of the Bidder, if the Bidder is a single entity, or of the Bidder’s Lead Member, if the Bidder is a JV, as demonstrated in the Bidder’s Application, then no authorization shall be required. |
|  | 20.3 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, then the Bid shall be signed by every member of the proposed JV. |
|  | 20.4 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the Bid. |
|  | D. Submission and Opening of Bids |
| 21. Sealing and Marking of Bids | 21.1 The Bidder shall enclose the original and all copies of the Bid, including alternative Bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as “Bid - Original”, “Bid - Alternative” and “Bid - Copy.”These envelopes containing the original and the copies shall then be enclosed in one single envelope marked “Bid”. |
|  | 21.2 The inner and outer envelopes shall:1. Bear the name and address of the Bidder;
2. Be addressed to the Employer in accordance with ITB 22.1;
3. Bear the specific identification of this bidding process specified in the **BDS** 1.1; and
4. Bear a warning not to open before the time and date for Bid opening.
 |
|  | 21.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the Bid. |
| 22. Deadline for Submission of Bids | 22.1 Bids must be received by the Employer in accordance with the instructions, including the address and deadline, specified in the BDS. |
|  | 22.2 The Employer may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. |
| 23. Late Submissions | 23.1 The Employer shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 22. Any Bid received by the Employer after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder. |
| 24. Withdrawal, Substitution, and Modification of Bids | 24.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 20.2. The corresponding substitution or modification of the Bid must accompany the respective written notice. All notices must be:1. Prepared and submitted in accordance with ITB 20 and ITB 21 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked “Withdrawal”, “Substitution”, “Modification”; and
2. Received by the Employer prior to the deadline prescribed for submission of Bids, in accordance with ITB 22.
 |
|  | 24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders. |
|  | 24.3 No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of Bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof. |
| 25. Bid Opening | 25.1 Except in the cases specified in ITB 23 and 24, the Employer shall publicly open and read out in accordance with ITB 25 all Bids received by the deadline (regardless of the number of Bids received), at the date, time and place specified in the **BDS**, in public and in the presence of Bidders` designated representatives. |
|  | 25.2 First, envelopes marked “Withdrawal” shall be opened and read out and the envelope with the corresponding Bid shall not be opened, but returned to the Bidder. No Bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at the Bid opening. Next, envelopes marked “Substitution” shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at the opening. Envelopes marked “Modification” shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at the Bid opening. Only Bids that are opened and read out at Bid opening shall be considered further. |
|  | 25.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the total Bid Price, per lot (contract) if applicable, including any discounts and alternative bids; the presence or absence of a bid security, signed Letter of Bid, Power of Attorney, nominating the Bidder’s authorized representative, Declaration of Undertaking, and any other details as the Employer may consider appropriate. Only discounts and alternative bids read out at bid opening shall be considered for evaluation. The Letter of Bid and the Schedules are to be initialled by a minimum of three representatives of the Employer attending bid opening. At bid opening, the Employer shall neither discuss the merits of any bid nor reject any bid (except for late bids, in accordance with ITB 23.1). |
|  | 25.4 The Employer shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; Power of Attorney, nominating the Bidder’s authorized representative, and Declaration of Undertaking. The Bidders’ representatives who are present shall be requested to sign the record. The omission of a Bidder’s signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders. |
|  | E. Evaluation and Comparison of Bids |
| 26. Confidentiality | 26.1 Information relating to the examination, evaluation, and comparison of the Bids, and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with the bidding process until information on Contract award is communicated to all Bidders in accordance with ITB 41. |
|  | 26.2 Any attempt by a Bidder to influence the Employer in the examination, evaluation, and comparison of the Bids, and qualification of the Bidders, or Contract award decisions may result in the rejection of its Bid. |
|  | 26.3 Notwithstanding ITB 26.2, from the time of Bid opening to the time of Contract award, if a Bidder wishes to contact the Employer on any matter related to the bidding process, it shall do so in writing. |
| 27. Clarification of Bids | 27.1 To assist in the examination, evaluation, and comparison of the Bids, and qualification of the Bidders, the Employer may, at its discretion, ask any Bidder for a clarification of its Bid, given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer’s request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids, in accordance with ITB 31. |
|  | 27.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer’s request for clarification, its Bid may be rejected. |
| 28. Deviations, Reservations, and Omissions | 28.1 During the evaluation of Bids, the following definitions apply:1. “Deviation” is a departure from the requirements specified in the Bidding Documents;
2. “Reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and
3. “Omission” is the failure to submit part or all of the information or documentation required in the Bidding Documents.
 |
| 29. Determination of Responsiveness | 29.1 The Employer’s determination of a Bid’s responsiveness is to be based on the contents of the Bid itself, as defined in ITB 11. |
|  | 29.2 A substantially responsive Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,(a) If accepted, would:(i) Affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or(ii) Limit in any substantial way, inconsistent with the Bidding Documents, the Employer’s rights or the Bidder’s obligations under the proposed Contract; or(b) If rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids. |
|  | 29.3 The Employer shall examine the technical aspects of the Bid submitted in accordance with ITB 17, in particular, to confirm that all requirements of Section VII, Works Requirements have been met without any material deviation, reservation or omission. |
|  | 29.4 If a Bid is not substantially responsive to the requirements of the Bidding Documents, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission. |
| 30. Nonmaterial Nonconformities | 30.1 Provided that a Bid is substantially responsive, the Employer may waive any nonmaterial nonconformities in the Bid. |
|  | 30.2 Provided that a Bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid. |
|  | 30.3 Provided that a Bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. |
| 31. Correction of Arithmetical Errors | 31.1 Provided that the Bid is substantially responsive, the Employer shall correct arithmetical errors on the following basis:(a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of theEmployer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;(b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and(c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless, only for admeasurement contracts, the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above. |
|  | 31.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 31.1 shall result in the rejection of the Bid. |
| 32. Conversion to Single Currency | 32.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as specified in the BDS. |
| 33. Margin of Preference | 33.1 A margin of preference for domestic Bidders shall not apply in National Competitive Bidding. |
| 34. Subcontractors | 34.1 Unless otherwise stated in the BDS, the Employer does not intend to execute any specific elements of the Works by sub-contractors selected in advance by the Employer (nominated sub-contractors). |
| 35. Evaluation of Bids | 35.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted. |
|  | 35.2 To evaluate a Bid, the Employer shall consider the following:(a) The Bid price, excluding Provisional Sums unless priced competitively and the provision, if any, for contingencies in the Schedules, but including Daywork items, where priced competitively;(b) Price adjustment for correction of arithmetic errors in accordance with ITB 31.1;(c) Price adjustment due to missing items, missing rates, or discounts offered in accordance with ITB 14.2 and 14.4;(d) Price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 30.3;(e) Converting the amount resulting from applying (a) to (d) above, if relevant, to a single currency in accordance with ITB 32;(f) The additional evaluation factors as specified in Section III, Evaluation and Qualification Criteria. |
|  | 35.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation. |
|  | 35.4 If these Bidding Documents allow Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Letter of Bid, is specified in Section III, Evaluation and Qualification Criteria. |
|  | 35.5 If the Bid, which results in the lowest Evaluated Bid Price, is significantly lower than the Employer’s estimate, the Employer shall require the Bidder to produce detailed price analyses for any or all items of the Schedules, to demonstrate the internal consistency of those prices with the construction methods, resources and schedule proposed. Notwithstanding the provisions of ITB 14.2 which shall not be applicable, if one or several inconsistencies are evidenced, the Bid shall be declared non-compliant and rejected. If the Bid is seriously unbalanced or front loaded in the opinion of the Employer and after evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. |
| 36. Comparison of Bids | 36.1 The Employer shall compare the evaluated prices of all substantially responsive Bids established in accordance with ITB 35.2 to determine the lowest evaluated Bid. |
| 37. Qualification of the Bidder | 37.1 The Employer shall determine to its satisfaction whether the eligible Bidder that is selected as having submitted the lowest evaluated cost and substantially responsive Bid meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria. |
|  | 37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB 17. The determination shall not take into consideration the qualifications of other firms such as the Bidder’s subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Subcontractors if permitted in the bidding document), or any other firm(s) different from the Bidder. |
|  | 37.3 An affirmative determination of qualification shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid, in which event the Employer shall proceed to the substantially responsive Bid which offers the next lowest evaluated cost to make a similar determination of that Bidder’s qualifications to perform satisfactorily. |
| 38. Most Advantageous Bid | 38.1 Having compared the evaluated costs of Bids, the Employer shall determine the Most Advantageous Bid. The Most Advantageous Bid is the Bid of the Bidder that meets the Qualification Criteria and whose Bid has been determined to be:(a) substantially responsive to the bidding document; and(b) the lowest evaluated cost. |
| 39. Employer’s Right to Reject All Bids | 39.1 The Employer reserves the right to annul the bidding process and reject all Bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all Bids submitted and specifically, bid securities, shall be promptly returned to the Bidders. |
|  | F. Award of Contract |
| 40. Award Criteria | 40.1 Subject to ITB 39.1, the Employer shall award the Contract to the successful Bidder. This is the Bidder whose Bid has been determined to be the Most Advantageous Bid as specified in ITB 38. |
| 41. Notification of Award | 41.1 Prior to the expiration of the period of Bid validity, the Employer shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the “Letter of Acceptance”) shall specify the sum that the Employer will pay the Contractor in consideration of the execution and completion of the Works and the requirement for the Contractor to remedy any defects therein (hereinafter and in the Conditions of Contract and Contract Forms called “the Contract Price”). Subsequently, the Employer shall also notify all other Bidders of the results of the bidding. |
|  | 41.2 Until a formal contract is prepared and executed, the Letter of Acceptance shall constitute a binding Contract. |
|  | 41.3 The Employer shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB 41.1, requests in writing the grounds on which its Bid was not selected. |
|  | 41.4 In exceptional circumstances, the Employer may need to communicate with the successful Bidder, established in terms of ITB 38.1, certain aspects of Contract performance prior to sending the Letter of Acceptance. Should such a need arise, this communication shall be limited to the following topics, as identified in the evaluation report,(a) coordination of mobilization timing;(b) coordination of actions or inputs involving the Employer and the Engineer;(c) technical alternatives offered by the successful Bidder.Any such discussions and agreements as there shall occur between the Employer and the successful Bidder (1) may not be interpreted as having the same legal effect as the Letter of Acceptance, (2) shall be summarized in Minutes, which shall be attached to the Letter of Acceptance. |
| 42. Signing of Contract | 42.1 Promptly upon notification, the Employer shall send the successful Bidder the Contract Agreement. |
|  | 42.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer. |
| 43. Performance Security | 43.1 Within twenty-eight (28) days of the receipt of the Letter of Acceptance from the Employer, the successful Bidder shall furnish the performance security in accordance with the General Conditions of Contract, subject to ITB 35.5, using for that purpose the Performance Security Form included in Section X, Contract Forms, or another form acceptable to the Employer. If the performance security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Employer. A foreign institution providing a bond shall have a correspondent financial institution located in the Employer’s Country. |
|  | 43.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid security. In that event, the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily. |

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| Section II. Bid Data Sheet |
| **A. Introduction** |
| **ITB 1.1** | The Employer is Community Forestry and Water Conservation Society-Manipur |
| **ITB 1.1** | The name of the NCB is Construction of 4 Rooms Barrack Types Staff Quarter with Toilet/ Kitchen facility and 1 Computer Room at Motbung, Range Forest Office Complex, Manipur The identification numberof the NCB is: *NCB Number - 1.3.2 / A2 / 2022* |
| **ITB 2.1** | The name of the Project is: Community based Sustainable Forest Management for Water Resources Conservation ("Project") COSFOM project |
| ITB 4.1  | Maximum number of members in the JV shall be: *JV not allowed* |
| ITB 5.2 | 1. Average annual financial amount of construction work over a period of 3 years of at least twice the bided cost.
2. Experience as prime contractor in the construction of at least *3* works of a nature and complexity equivalent to the Works over the period of 5 *years.*
3. Essential equipment required for the project:

Bidders to arrange suggestive list of machinery as indicated below during project execution period and as per instructions of Project manager from employer.

| **S No** | **Estimated Equipment** | **Minimum Numbers Required** |
| --- | --- | --- |
|  | **General Equipment** |  |
| 1 | Front end Loader with Backhoe, adequate No and suitable capacity | 1 |
| 2 | Poclain adequate No and suitable capacity | 1 |
| 3 | Tippers, 12-40 T | 6 |
| 4 | Tractors with or without tankers/ trolleys. | 1 |
| 5 | Mini Roller | 1 |
| 6 | Fiori | 1 |
| 7 | Concrete pump miller | 2 |
| 8 | Mechanical Mortar mixers | 1 |
| 9 |  Concrete Vibrator | 1 |
| 10 |  Steel centering shuttering and interlocking scaffolding | Sufficient Quantity |
| 11 | Construction site safety equipment | Sufficient Numbers for all Personnel |
| 12 | Welding equipment | 2 Sets |
| 13 | Erection equipment  | Sufficient Numbers |
| 14 | Tools and tackles | Sufficient Numbers |
| 15 | First aid kit and equipment /doctor on call | 1 Set / Monthly inspection by doctor. |
| 16 | Firefighting equipment | 1 Set |
| 17 | Scaffolding (Steel, no pole scaffolding allowed) | complete façade coverage |

1. Liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than 10% of the value of the bid submitted.
 |
| **B. Bidding Documents** |
| **ITB 7.1** | For **clarification purposes** only, the Employer’s address is Attention: Dr. Aditya K Joshi, PCCF & HOFF cum Project DirectorCF&WCS-ManipurAddress: Room No. 104 Forest Head OfficeSanjenthong ,Imphal -795001, Manipur, India, Fax: :+91-385-2450165 Email address: cfwcs2021@gmail.com |
| **ITB 7.1**  | Web page : [www.cosfom.mn.gov.in](http://www.cosfom.mn.gov.in)  |
| **ITB 7.4** | *A Pre-Bid meeting shall take place at the following date, time and place: Manipur* *Date:20th March, 2023* *Time: 2 pm**Place: GFA Meeting Room, Forest Office Complex, Mantripukhri, Imphal,* *A site visit conducted by the Employer shall be organized. No logistical arrangements will be made.* |
| **ITB 8.2** | Web page : [www.cosfom.mn.gov.in](http://www.cosfom.mn.gov.in) |
| **C. Preparation of Bids** |
| ITB 10.1 | The language e of the Bid is EnglishAll correspondence exchange shall be in the English language. Language for translation of supporting documents and printed literature is English.  |
| **ITB11.1 (ii)** | The following schedules shall be submitted with the Bid:Its a lumpsum contract the indicative schedule is as follows:-

|  |  |
| --- | --- |
| S.no | Activity Schedules (suggestive) |
| 1 | Survey , site , soil , working planning and approval  |
| 2 | Construction of Plinth Level / foundation  |
| 3 | Block work and Joinery till ground floor lintel  |
| 4 | 1st Roof casting  |
| 5 | Block work and Joinery till 1st floor lintel |
| 6 | 2nd Floor Casting  |
| 7 | 1st Floor plaster |
| 8 | 2nd Floor to finish plaster work |
| 9)  | Electrical finishing  |
| 10  | Plumbing finishing  |
| 11)  | Carpentry  |
| 12) | Tilling |
| 13) | Overall Finish |

 |
| **ITB 11.1 (vi)** | The Bidder shall submit with its Bid the following additional documents: GST certificate, PAN Card and Registered civil contractor of Gov. of Manipur. |
| ITB 13.4Technical alternatives designed by the Employer*[if not permitted under BDS 13.1 above, delete]* | Not Applicable |
| **ITB 14.5** | The prices quoted by the Bidder shall be: *fixed*.  |
| **ITB 14.7** | *No exemptions from the payment of import duties, taxes, fees, levies and other charges.* |
| **ITB 15.1** | The currency(ies) of the Bid and the payment currency(ies) shall be in accordance described below:**Bidders to quote entirely in in local currency: INR – Indian Rupees** |
| **ITB 17** | The Bid shall include the ESHS General and Specific Requirements signed by the Bidder as provided for this purpose in Section VII – Works Requirements, 1 b) Specifications for Project Area Environmental, Social, Health and Safety Management (ESHS).A Bid not comprising the signed ESHS General and Specific Requirements shall be rejected. |
| **ITB 18.1** | The bid validity period shall be *120* days. |
| **ITB 19.1** | The amount and currency of the bid security shall be: Rs.3,00,000(INR).  |
| **ITB 20.1** | In addition to the originals of the Bid, the number of copies is: *Two* paper copies and one (1) digital copy (flash drive). |
| **ITB 20.2** | The written confirmation of authorization to sign on behalf of the Bidder shall consist of*: A power of attorney established in the name of the signatory of the Bid.* |
| **D. Submission and Opening of Bids** |
| **ITB 22.1**  | The Original Bid shall be submitted not later thanDate: 17th April, *2023*Time: *IST 1500 Hours*at the following address, which shall be the controlling address for the purposes of the timely submission of the Bid:Attention: Main Conference hall, Forest Headquarters, SanjenthongAddress: Community Forestry and Water Conservation Society, ManipurCity: Imphal, ManipurZIP Code: *795001*Country: *India* |
| **ITB 25.1** | The Bid opening shall take place at:Address: Main Conference Hall, Forest Headquarters, SanjenthongCity: Imphal, ManipurZIP Code: 795001 Country: *India*Date: *18th April, 2023*Time: *IST 14:00 Hours*No minimum number of Bids is required in order to proceed to bid opening. |
| **E. Evaluation and Comparison of Bids** |
| **ITB 29** | Compliance of the ESHS Methodology (as specified in **BDS** 17) with the ESHS Specifications (Section VII ‑ Works Requirements) shall be determined by using the method specified in Section III Clause 1.2. A Bid for which the ESHS Methodology is not substantially responsive ( i.e., without material deviation, reservation or omission) shall be rejected. |
| **ITB 32.1** | The currency that shall be used for bid evaluation and comparison purposes to convert all Bid price(s) expressed in various currencies into a single currency is: Indian Rupees (INR).The source of exchange rate shall be: Reserve Bank of India The date for the exchange rate shall be seven (7) days prior to the date of deadline for Bid submission. The currency(ies) of the Bid shall be converted into a single currency in accordance with the procedure under as follows: **Bidders shall Quote in INR** |
| **ITB 34.1** | At this time the Employer does not intend to execute certain specific parts of the Works by sub-contractors selected in advance (nominated subcontractors).  |
| **ITB 37** | The Employer shall evaluate the qualifications of the responsive Bidders using the factors, methods, criteria, and requirements defined in Section III, Evaluation and Qualification Criteria, to evaluate the qualifications of the Bidders, and no other methods, criteria, or requirements shall be used. |

Section III. Evaluation and Qualification Criteria

This Section contains all the criteria that the Employer shall use to evaluate the Bids and to determine the qualification of Bidders. In accordance with ITB 35 and ITB 37, no other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in Section IV, Bidding and Qualification Forms.

Wherever a Bidder is required to state a monetary amount, Bidders should indicate the EUR equivalent using the rate of exchange determined as follows:

1. For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year;
2. Value of single contract - Exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available source identified in the ITB 32.1. Any error in determining the exchange rates in the Bid may be corrected by the Employer.

1. **Evaluation of Bids**

In addition to the criteria listed in ITB 35.2 (a) – (e) the following criteria shall apply:

**1.1 Assessment of adequacy of Technical Proposal with Requirements**

The assessment of the Technical Proposal submitted by a Bidder shall comprise (a) evaluation of the Bidder’s plan to mobilize key equipment and key personnel to carry out the works, (b) construction method, (c) construction schedule and (d) sufficiently detailed supply sources, in accordance with requirements specified in Section VII, Works Requirements. A Bid not comprising Technical Proposal or a Bid for which the Technical Proposal is not substantially responsive (i.e. with material deviation, reservation or omission) shall be rejected.

**1.2 Assessment of adequacy of the Environmental, Social, Health and Safety (ESHS) Methodology**

The signed ESHS General and Specific Requirements submitted by the Bidder shall be evaluated to determine whether they are substantially responsive (i.e. without material deviation, reservation or omission) to the requirements specified in Section VII, Works Requirements - ESHS Specifications. A Bid which is not substantially responsive (i.e. with material deviation, reservation or omission) shall be rejected.

1. **Evaluation of** **Eligibility and Qualification**

**2.1 Eligibility**

This Bidding is open to all bidders from eligible countries as defined in ITB 4 and KfW’s eligibility criteria to bid in Section V, Eligibility Criteria.

**2.2 Qualification**

 To qualify for award of the Contract, bidders shall meet the following minimum qualifying criteria

(a) an average annual financial amount of construction work over the period specified in the **BDS** of at least the multiple indicated in the **BDS** (5.2)

(b) experience as prime contractor in the construction of at least the number of works of a nature and complexity equivalent to the Works over the period **specified in the BDS** (to comply with this requirement, works cited should be at least 70 percent complete);

(c) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment **listed in the BDS**;

(d) a Contract Manager with five years’ experience in works of an equivalent nature and volume, including no less than three years as Manager; and

(e) liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than the amount **specified in the BDS**.[[1]](#footnote-1)

A consistent history of litigation or arbitration awards against the Applicant or any partner of a Joint Venture may result in disqualification.

Section IV. Bidding and Qualification Forms

Table of Forms

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|  |
| --- |
| Letter of Bid |

*[The Bidder shall prepare his Letter of Bid on a Letterhead paper specifying his name and address]*

Date:

NCB No.:

To: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 8) ;
2. We have no conflict of interest in accordance with ITB 4;
3. We have not been suspended nor declared ineligible by the Employer based on execution of a Bid Securing Declaration in the Employer’s country in accordance with ITB 4.4;
4. We offer to execute in conformity with the Bidding Documents the following Works:

 ;

1. The total price of our Bid, excluding taxes and excluding any discounts offered in item (f) below is:
2. In case of only one lot, total price (excluding taxes) of the Bid \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (lumpsum)
3. The discounts offered and the methodology for their application are:
4. The discounts offered are: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The exact method of calculations to determine the net price after application of discounts is shown below: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Our Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
7. If our Bid is accepted, we commit to obtain a performance security in accordance with ITB 42 of the Bidding Documents;
8. Weare not participating, as a Bidder, in more than one Bid in this bidding process in accordance with ITB 4.2(e), other than alternative Bids submitted in accordance with ITB 13;

(j) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(k) We acknowledge and agree that the Employer reserves the right to annul the bidding process and reject all Bids at any time prior to contract award without thereby incurring any liability to us;

(l) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption.

Name of the Bidder

Name of the person duly authorized to sign the Bid on behalf of the Bidder**\*\***

Title of the person signing the Bid

Signature of the person named above

Date signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_

\*\*: Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Appendix to BidThis Appendix forms part of the Agreement.*[Note: with the exception of the items for which the Employer's requirements have been inserted, the Contractor shall complete the following information before submitting his offer.]*

|  |  |  |
| --- | --- | --- |
| Item | Sub-Clause | Data |
| Documents forming the Contract listed in the order of priority | 1.1.1…… |  |
| **Document** (delete if not applicable) |  | **Document Identification** |
| (a) | The Agreement ................ |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (b) | Particular Conditions …….. |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (c) | General Conditions ………… |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (d) | The Specification …………... |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (e) | The Drawings …………………. |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (f) | Declaration of Undertaking~~The Contractor‘s tendered design~~  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (g) | The bill of quantities ……… |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (h)(i) | Schedule of payment terms (Lumpsum)Technical and financial proposals**Schedule of Payment terms** 1. 75% of the measured value of the work of the subtotal amount as certified by the employer’s representative. The measured value of the work will follow the breakdown given in the table below.

|  |  |  |
| --- | --- | --- |
| S.no | Activity Schedules  | % Subtotal of the works |
| 1 | Survey, site, soil, working planning and approval  | 5% |
| 2 | Construction of Plinth Level / foundation  | 5% |
| 3 | Block work and Joinery till ground floor lintel  | 5% |
| 4 | 1st Roof casting  | 5% |
| 5 | Block work and Joinery till 1st floor lintel | 5% |
| 6 | 2nd Floor Casting  | 5% |
| 7 | 1st Floor plaster | 5% |
| 8 | 2nd Floor to finish plaster work | 5% |
| 9)  | Electrical finishing  | 5% |
| 10  | Plumbing finishing  | 5% |
| 11)  | Carpentry  | 10% |
| 12) | Tilling | 5% |
| 13) | Overall Finish | 10% |

1. 25% of the subtotal amount of the works upon issue of completion certificate

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (i) | .......................................... |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Time for Completion………………… | 1.1.9…… | 365 days from the commencement date |
| Law of the Contract…………………. | 1.4……… | Law of the Union of India |
| Language……………………. | 1.5……… | English |
| Provision of Site | 2.1……... | Within in 10 Days of the Contract |
| Authorised person | 3.1……… | To be notified by Employer  |
| Name and address of Employer’s representative  | 3.2……… | Dr. Aditya K Joshi, PCCF & HOFF cum Project DirectorCF&WCS-Manipur  |
| Performance security (if any): |  |  |
| Amount………… | 4.4……... | 10% of contract amount |
| Form…………Time for delivery of security | 4.4………4.4……… | In the form of Bank Guarantee\_(details)Within 14 days of the Commencement Date. |

\*Employer to amend as appropriate© FIDIC 1999

|  |  |  |
| --- | --- | --- |
| Item | Sub-Clause | Data |
| Requirements for Contractor'sdesign (if any)  | 5.1 | (To be furnished by Contractor) |
| Programme: |  |  |
|  | Time for submission........ | 7.2 | Within 14 days\* of the Commencement Date. |
|  | Form of programme…. | 7.2 | Activity Schedule along with Detailed BOQ matching schedule of Lumpsum Payment  |
| Amount payable due to failure to complete… | 7.4 | 0.1% per day up to a maximum of 10%\* of sum stated in the Agreement |
| Period for notifying defects | 9.1 & 11.5 | 365 days calculated from the date stated in the notice under Sub-Clause 8.2 |
| Variation procedure |  |  |
|  | Daywork rates | 10.2. | Lumpsum contract as per BOQ rate “and in the absence of rates in the contract appropriate market related new rates to be agreed with the Employer at the time variation” |
| Valuation of the Works\* |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Lump sum price with bill of quantities | 11.1 | The bidder shall provide lumpsum price with breakup cost as per bill of Quantities |
|  | Monthly statements …... | 11.2  | Value of the works executed |
|  |  |  |
|  |  |  |
| \* Employer to amend as appropriate© FIDIC 1999 |  |  |

|  |  |  |
| --- | --- | --- |
| Item | Sub-Clause | Data |
| Percentage of retention  | 11.3 | 5% from every Bill |
| Currency of payment  | 11.7 | INR – Indian Rupees |
| Rate of interest  | 11.8 | 3 % per annum |
| Insurances | 14.1 | The contractor will indemnify the employer from all the insurance liability related within the construction work. |
| **Type of cover\*** | **Amount of cover\*** | **Exclusions\*** |
| The Works, Materials, Plant and fees | The sum stated in the Agreement plus 15% |  |
| Contractor’s Equipment | Full replacement cost |  |
| Third Party injury to persons and damage to property | \_\_\_\_\_\_\_\_\_\_\_\_\_ | Appropriate coverage by contractor, the employers shall be indemnified. |
| Workers | \_\_\_\_\_\_\_\_\_\_\_\_\_ | Appropriate coverage by contractor, the employers shall be indemnified. |
| Other cover\* | \_\_\_\_\_\_\_\_\_\_\_\_\_ | Appropriate coverage by contractor, the employers shall be indemnified. |
| Arbitration |  |  |
|  | Rules | 15.3 | Arbitration and Conciliation Act 1996 India |
|  | Appointing authority | 15.3 | President of Indian Council of Arbitration. |
|  | Place of Arbitration  | 15.3 | The Country India, Place – Imphal, Manipur |
|  |  |  |
|  |  |  |
|  |  |  |

\*Employer to amend as appropriate© FIDIC 1999  |

# Declaration of Undertaking

Reference name of the Application/Offer/Contract: ("**Contract**")[[2]](#footnote-2)

To: (**"Project Executing Agency"**)

1. We recognise and accept that KfW only finances projects of the Project Executing Agency (“PEA”)[[3]](#footnote-3) subject to its own conditions which are set out in the Funding Agreement it has entered into with the PEA. As a matter of consequence, no legal relationship exists between KfW and our company, our Joint Venture or our Subcontractors under the Contract. The PEA retains exclusive responsibility for the preparation and implementation of the Tender Process and the performance of the Contract.
2. We hereby certify that neither we nor any of our board members or legal representatives nor any other member of our Joint Venture including Subcontractors under the Contract are in any of the following situations:

2.1) being bankrupt, wound up or ceasing our activities, having our activities administered by courts, having entered into receivership, reorganisation or being in any analogous situation;

2.2) convicted by a final judgement or a final administrative decision or subject to financial sanctions by the United Nations, the European Union or Germany for involvement in a criminal organisation, money laundering, terrorist-related offences, child labour or trafficking in human beings; this criterion of exclusion is also applicable to legal Persons, whose majority of shares are held or factually controlled by natural or legal Persons which themselves are subject to such convictions or sanctions;

2.3) having been convicted by a final court decision or a final administrative decision by a court, the European Union, national authorities in the Partner Country or in Germany for Sanctionable Practice in connection with a Tender Process or the performance of a Contract or for an irregularity affecting the EU’s financial interests *(in the event of such a conviction, the Applicant or Bidder shall attach to this Declaration of Undertaking supporting information showing that this conviction is not relevant in the context of this Contract and that adequate compliance measures have been taken in reaction)*;

2.4) having been subject, within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during such Contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;

2.5) not having fulfilled applicable fiscal obligations regarding payments of taxes either in the country where we are constituted or the PEA's country;

2.6) being subject to an exclusion decision of the World Bank or any other multilateral development bank and being listed on the website <http://www.worldbank.org/debarr> or respectively on the relevant list of any other multilateral development bank *(in the event of such exclusion, the Applicant or Bidder shall attach to this Declaration of Undertaking supporting information showing that this exclusion is not relevant in the context of this Contract and that adequate compliance measures have been taken in reaction)*; or

2.7) being guilty of misrepresentation in supplying the information required as condition to participation in this Tender Procedure.

1. We hereby certify that neither we, nor any of the members of our Joint Venture or any of our Subcontractors under the Contract are in any of the following situations of conflict of interest:

3.1) being an affiliate controlled by the PEA or a shareholder controlling the PEA, unless the stemming conflict of interest has been brought to the attention of KfW and resolved to its satisfaction;

3.2) having a business or family relationship with a PEA's staff involved in the Tender Process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of KfW and resolved to its satisfaction;

3.3) being controlled by or controlling another Applicant or Bidder, or being under common control with another Applicant or Bidder, or receiving from or granting subsidies directly or indirectly to another Applicant or Bidder, having the same legal representative as another Applicant or Bidder, maintaining direct or indirect contacts with another Applicant or Bidder which allows us to have or give access to information contained in the respective Applications or Offers, influencing them or influencing decisions of the PEA;

3.4) being engaged in a Consulting Services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the PEA;

3.5) in the case of procurement of Works, Plant or Goods:

1. having prepared or having been associated with a Person who prepared specifications, drawings, calculations and other documentation to be used in the Tender Process of this Contract;
2. having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract;
3. If we are a state-owned entity, and compete in a Tender Process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.
4. We undertake to bring to the attention of the PEA, which will inform KfW, any change in situation with regard to points 2 to 4 here above.
5. In the context of the Tender Process and performance of the corresponding Contract:

6.1) neither we nor any of the members of our Joint Venture nor any of our Subcontractors under the Contract have engaged or will engage in any Sanctionable Practice during the Tender Process and in the case of being awarded a Contract will engage in any Sanctionable Practice during the performance of the Contract;

6.2) neither we nor any of the members of our Joint Venture or any of our Subcontractors under the Contract shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or Germany; and

6.3) we commit ourselves to complying with and ensuring that our Subcontractors and major suppliers under the Contract comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract and the fundamental conventions of the International Labour Organisation[[4]](#footnote-4) (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the relevant environmental and social management plans or other similar documents provided by the PEA and, in any case, implement measures to prevent sexual exploitation and abuse and gender based violence.

1. In the case of being awarded a Contract, we, as well as all members of our Joint Venture partners and Subcontractors under the Contract will, (i) upon request, provide information relating to the Tender Process and the performance of the Contract and (ii) permit the PEA and KfW or an auditor appointed by either of them, and in the case of financing by the European Union also to European institutions having competence under European Union law, to inspect the respective accounts, records and documents, to permit on the spot checks and to ensure access to sites and the respective project.
2. In the case of being awarded a Contract, we, as well as all our Joint Venture partners and Subcontractors under the Contract undertake to preserve above mentioned records and documents in accordance with applicable law, but in any case for at least six years from the date of fulfillment or termination of the Contract. Our financial transactions and financial statements shall be subject to auditing procedures in accordance with applicable law. Furthermore, we accept that our data (including personal data) generated in connection with the preparation and implementation of the Tender Process and the performance of the Contract are stored and processed according to the applicable law by the PEA and KfW.

Name: In the capacity of:

Duly empowered to sign in the name and on behalf of[[5]](#footnote-5):

Signature: Dated:

# Summary of Payment Currencies

Table C2: Option A – Local Currency

*To be used only with Option A*

*“Bidders to quote entirely in INR” (Sub-clause BDS 15.1)*

For ……………………….. *[Insert name of Section of the Works]*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of payment currency** | **A****Amount of currency** | **B****Rate of exchange** | **C****Local currency equivalent****C = A x B** | **D****Percentage of Total Bid Price (TBP)** **100xC** **TBP** |
| **Local currency: In Indian rupees** |  | **1** |  |  |
| **Foreign currency: EUR**  | **X** | **X** | **X** | **X** |
| **Total Bid Price in:****\_\_\_\_\_\_\_\_\_\_\_** |  |  |  |  |
| **Provisional sums expressed in local currency** |  |  |  |  |
| **TOTAL BID PRICE (including provisional sum)****Local Currency** |  |  |  |  |

# Bill of Quantities

***LUMPSUM CONTRACT (Bill of Quantities for stage payment)***

|  |
| --- |
| ***Detailed BOQ*** |
| Name of work: Proposed Construction of Barrack Type Staff Quarter***Bidders needs to Put actual estimate*** |
| *Sl. No* | *Estimated Quantity* | *Rate* | *Unit* | ***Amount*** |
| *1* | *3* | *4* | *5* | ***6*** |
|  *Sub-Head: - Earth work* |  |  |  |  |
| *1 Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soilas directed within a lead of 50 m (a) Loose/soft soil.* | *751.65* |  | *cum* |  |
| *2 Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20 cm in depthconsolidating each deposited layer by ramming and watering, leadupto 50 m and lift upto 1.5 m.* | *250.55* |  | *cum* |  |
| *3 Filling in plinth with sandy soil under floors i/c watering, ramming,consolidating and dressing complete* | *56.55* |  | *cum* |  |
|  *Sub-Head: - Concrete work* |  |  |  |  |
| *4 P/L cement concrete in foundation and plinth excluding the cost of centering and shuttering (a) 1:4:8 (1 cement: 4 coarse sands: 8 graded stone aggregate 40 mm nominal size)* | *24.66*  |  | *sqm* |  |
| *5 Providing and laying damp proof course 50 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal Size).* | *27.49*  |  | *sqm* |  |
| *6 Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg sqm on damp proof course after cleaning the surface with a piece of cloth lightly socked in kerosene oil* | *27.49* |  | *sqm* |  |
| *Sub-Head: -Cast In Situ* |  |  |  |  |
| *7 Providing and laying in position specified grade of reinforcedcement concrete excluding the cost of centering, shuttering,finishing and reinforcement.* | *20.82* |  | *cum* |  |
| *8 Reinforced cement concrete work in beams, suspended floors, roofs, having slope upto 15◦ landing, balconies, shelves, chajjas, lintels, bands, plain windowsill, Staircases and spiral staircase upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with (a) 1:1.5:3(1 Cement : 1.5 Kanhaighat coarse sand :3 graded stone aggregate 20 mm nominal size).* | *58.42* |  | *cum* |  |
| 9 Reinforced Cement Concrete work in walls (any thickness) i/c attached pilasters, buttresses, plinth & string courses, fillets, Column,pillars, abutments, posts and struts etc. up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement (b) 1:1.5:3(1 Cement : 1.5 Kanhaighat coarse sand :3 graded stone aggregate 20 mm nominal size). | 10.21 |   | cum |   |
| 10 Steel Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars. | 10140.5 |   | kg |   |
| Sub-Head: -Form work |   |   |   |   |
| *11 Providing formworks I/c centering and shuttering so as to give a rough finish, strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in*  |  |  |  |  |
| *(a) Foundation, footings, bases of columns etc. and mass concrete*  | *85.45* |  | *sqm* |  |
| *(b)Flat surface such as suspended floor, roofs landing and like floors etc. upto 200mm in thickness.* | *169.54*  |  | *sqm*  |  |
| *(c) (I) Columns, pillars, post and struts (square, rectangular orpolygon in plain)* | *136.08*  |  | *sqm* |  |
| *(d) Sides and soffit of beams, beam haunching, cantilevers,girders, bressummers and intel not exceeding 1m in depth.* | *337.63* |  |  *sqm* |  |
| *(e)staircases with slopping or stepped, soffits I/c risers andstringers excluding landing* | *11.34* |  | *sqm* |  |
| *Sub- Head: Brick Work* |  |  |  |  |
| *12 2nd class (Local 1st class) brick work in foundation and plinth incement mortar 1:3 (1 cement: 3 coarse sand)* | *22.04* |  | *cum* |  |
| *13 Half brick masonry 2nd class (Local 1st class) in cement mortar 1:3(1 cement: 3 coarse sand) in superstructure(a) Upto floor two level* | *389.42* |  | *sqm* |  |
| *Sub-Head: -Wood work* |  |  |  |  |
| *14 Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position (a) Local best quality teak* | *0.74*  |  | *cum*  |  |
| *15 P/F 40 mm thick paneled, glazed or paneled and glazed shutters for doors, windows and clerestory windows i/c black enameled M.S. butt hinges with necessary screws (a) Local best quality teak* | *28.38*  |  | *sqm*  |  |
| *16 Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other plugs and screws or with fixing clips, or with expansion hold fasteners including sections of approved make conforming to IS: 733 and IS: 1285, fixed with raw necessary filling up of gaps at junctions, at top, bottom and sides with required EPDM rubber/ Neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.): - 21.1.1-For fixed portion.* | *30.84* |  | *sqm* |  |
|  *17 Providing and fixing M.S. sliding door bolts bright finished or/and black enameled with necessary screws etc. complete. (a)250x16mm* | *28* |  | *each* |  |
| *18 Providing and fixing M.S. Tower bolts (barrel type) with screws etc.complete. 250mm x10mm* | *56* |  | *each* |  |
| *19 Providing and fixing M.S. handles with necessary screws etc.complete. (a) 125mm* | *106* |  | *each* |  |
| *20 Providing & fixing M.S hooks and eyes. (a) 150 mm.* | *95* |  | *each* |  |
| *Sub-Head: Steel Work* |  |  |  |  |
| *21 Steel work in built up tubular trusses including cutting, hoisting , fixing in position and applying a coat of approved steel primer red oxide zinc chrome primer conforming to IS:2074 1979 welded and bolted including special shape washer etc. complete.(a) Electric resistant welded tube (conforming to IS:1611-1979* | *1188.40*  |  | *kg*  |  |
| *Sub-Head: -Flooring* |  |  |  |  |
| *22 50 mm cement concrete flooring 1:2:4 (1 cement: 2 coarse sands: 4 stone aggregate 20mm & down gauge) finished with a floating coatof neat cement* | *286.68* |  | *sqm* |  |
| *23 White glazed tiles 7.3 mm in flooring, treads or steps & landing laid on a bed of 12 mm thick cement mortar 1:3 (1 cement:3 coarsesand) finished with flush pointing in white cement.* | *286.68* |  | *sqm* |  |
| *24 White glaze tiles 10mm thick in skirting risers of steps & dado on 10mm thick cement plaster 1:3 (1cement:3 coarse sand) & jointed with white cement*  | *60.39* |  |  *sqm*  |  |
| *25 White glazed tiles 7.3 mm in flooring, treads or steps & landing laid on a bed of 12 mm thick cement mortar 1:3 (1 cement:3 coarse sand) finished with flush pointing in white cement* | *8.60*  |  | *sqm*  |  |
| *26 Providing 40x3 mm flat iron hold fast 40 cm long i/c fixing to frames with 10 mm dia. bolts nuts and wooden plugs and embedding to cement concrete block 30x10x15 cm 1:3:6 (1 cement: 3 coarse sands: 6 stone aggregate 20 mm nominal gauge).* | *84.00*  |  | *each* |  |
| *27 Providing and fixing MS fan clamps type I of 16mm dia. MS bar bent to shape during laying I/c hook ends in RCC slab during laying I/c painting the exposed portion of loop all per standard design complete* | *20.00*  |  | *each*  |  |
| *Sub-Head: Roofing and Ceiling* |  |  |  |  |
| *28 Trapezoidal Pre-painted Profile sheet roofing of approved brand DYNA roof or equivalent with selt drilling screws of 68mm long Xylon coated of purlins & trusses. Pre-painted Galvalume sheet (PPGL) i) Profile sheet 0.50mm/4.20kgs* | *151.53* |  | *sqm* |  |
| *29 Trapezoidal Pre-painted Profile sheet for Ridges Gutter or valley 610mm wide of approved brand DYNA Roof or equivalent fixed with selt drilling roof or equivalent screws of 68mm long Xylon coated screws with PVC washer & caps completed, excluding the cost of purlin ,rafter & trusses. Pre-painted Galvalume sheet(PPGL) i) Profile sheet 0.50mm/4.20kgs/sqm* | *15.56*  |  | *rm*  |  |
| *30 GI sheet gutters 24 BG semi-circular 150mm width 450mm overall i/c fixed with clamps & making connection with rain water pipescomplete.* | *72.54* |  | *rm* |  |
| *31 Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee/ angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass/ stainless steel sunk screws, aluminium perimeter angles fixed to wall with rawl plugs @ 450 mm centre to centre and fixing the frame work to G.I. level adjusting hangers 6 mm dia. with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer-in-charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).* | *184.07* |  |  *kg*  |  |
| *32 P/F false ceiling at all height i/c providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanised with zinc coating of 120gm/sqm(both side inclusive)as per IS 277 and consisting of angle cleats of size 25mm wide x 1.6 mm thick with flanges of 27 mm flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to the wall/partition with the help of rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, i/c fixing of gypsum board to (I) 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS:2095- Part-1* | *151.53* |  | *sqm* |  |
| *33 P/F 20mm plank as eave board with (a) Uningthou wood* | *151.53* |  | *sqm* |  |
| *Sub-Head: Finishing* |  |  |  |  |
| *34 12mm cement plaster 1:3 (1 cement: 3 fine sand)* | *332.23*  |  | *sqm* |  |
| *35 15mm Cement plaster 1:3 (1 cement: 3 Coarse sands)* | *332.23* |  | *sqm* |  |
| *36 15mm cement plaster 1:3 (1cement:3coarse sand) finished with a floating coat of neat cement* | *72.39* |  | *sqm* |  |
| *37 Applying one coat of cement primer of approved quality on wallsurface* | *332.23* |  | *sqm* |  |
| *38 Finishing walls with water proofing cement paint of approved qualityon new (three or more coats) to give even shade.* | *332.23* |  | *sqm* |  |
| *39 Distempering (two or more coats) with oil bound washable distemper of approved quality on new work I/c priming coat to give an even shade* | *332.23* |  | *sqm* |  |
| *40 Applying ready mixed priming coat pink primer of approved quality on wood work* | *59.95* |  | *sqm* |  |
| *41 Painting two or more coats with synthetic enamel paint of approved quality of black or chocolate colour on wood work to give an even shade.* | *28.38*  |  | *sqm* |  |
| *42 Providing under layer for plinth protection of 75mm thick rammed & consolidated & grouted with fine sand including preparation of ground.* | *40.13* |  | *sqm* |  |
| *43 Providing plinth protection 50mm thick in cement concrete 1:3:6 (1cement:3 coarse sand:6 graded stone aggregate of 20mm nominal size) i/c finishing the top surface of concrete smooth* | *40.13* |  | *rm* |  |
| *44 Providing and fixing PVC rain water pipe pipe (110 mm)* | *41.4* |  | *Each* |  |
| *45 Providing and fixing PVC moulded Door bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.* | *32.00*  |  | *each*  |  |
| *46 Providing and fixing MS holder bat clamps of approved design to PVC pipe socket i/c cost of cutting holes and making good the walls etc.* | *50.00*  |  | *nos*  |  |
|  |  |  |  |  |
| *Add for external services on (E)* |  |  | *each*  |  |
| *Add for Water Supply & Sanitary Installation on (E)* |  |  | *each*  |  |
| *Add for Internal Electric Installation on (E)* |  |  | *each*  |  |
|  |  |  |  |  |

**BoQ**

Name of the work: Proposed Construction of Barrack Type Staff Quarter at Motbung, Kangpopi, Manipur.

**Internal Electrical Installation**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL****NO** | **Sub-heads or terms of work** | **Quantity** | **Rate** | **Unit** | **Amount** | **Remarks** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 |  Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. as required.1.10.1) Group A1.10.2) Group B1.10.3) Group c | 43720 |  | PointPointpoint |  |  |
| 2 | Wiring for twin control light point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable Gl box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc, as required |  2 |  | Pont  |  |  |
| 3 | Wiring for light/ power plug with 2x4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required | 520  |  | Metre |  |  |
| 4 | Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC condult as required1.14.1) 2X1.5 sq mm+1X1.5 sq. mm earth wire 1.14.2) 2X2.5 sq mm+1X2.5 sq. mm earth wire 1.14.3) 2X4 sq. mm+1 X 4 sq. mm earth wire1.14.4) 2X6 sq mm+1X6 sq. mm earth wire 1.14.5) 2X 10 sq. mm+ 1X6 sq mm earth wire | 310470432030  |  | EachEachEachEacheach |  |  |
| 5 | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required | 13  |  | metre |  |  |
| 6 | Supplying and fixing suitable size Gl box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch connections etc as required. | 22  |  | each |  |  |
| 7 | Supplying and fixing suitable size Gl box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc as required.) | 13  |  | Eachcum |  |  |
| 8 | Installation Testing, Commissioning of wall bracket /ceiling fitting of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required. | 44 |  | each  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 9 | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required | 13 |  | Each  |  |  |
| 10 | Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required | 5 |  | Each |  |  |
| 11 | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non-residential buildings) | 1 |  | Each |  |  |
| 12 | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)2.3.1) 6-way, Double door2.3.4) 16-way, Double door | 11 |  | EachEach |  |  |
| 13 | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.2.10.1) Single pole | 18 |  | Each |  |  |
| 14 | Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.2.14.2) 40 A2.14.3) 63 A | 11 |  | EachEach |  |  |
| 15 | Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/ coke and salt as required | 1 |  | Set |  |  |
| 16 | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. | 1 |  | Set |  |  |
| 17 | Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required. | 30 |  | Metre |  |  |
| 18 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required | 40 |  | Metre |  |  |
| 19 | Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. | 2 |  | Each |  |  |
| 20 | Jointing copper / G.I. tape (with another copper/ GI tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc. as required | 3 |  | Each |  |  |
| 21 | Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run) | 25 |  | Metre |  |  |
| 22 | Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) | 10 |  | Metre |  |  |
| 23 | Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required. | 20 |  | Metre |  |  |
| 24 | Service connection by local Electricity Authority i/c Prepaid meter and boxAdd 5.0% for difference of cost above DSR 2018 upto Jul. 2019 on (A)Add 5.0% for difference of cost above DSR 2019 upto Jul. 2020 on (B)Add 5.0% for difference of cost above DSR 2020 upto Jul. 2021 on (C) |  |  |  |  |  |
| 25 | Supplying and stringing of service line of 2X10 sq. mm ISI marked FRLS PVC insulated single core copper conductor cable along with 10 SWG G.I guard wire | 80 |  | Metre |  |  |
| 26 | Trim CLIPON LED ROUND recess cam surface mounted 12W LED 6500 K (Havells) | 44 |  | Each |  |  |
| 27 | Maxima Dxl. 300 mm white dome External Fan (Bajaj) 1200 mm white/Brown/Bianco ceiling fan (Bajaj) | 5 |  | Each |  |  |
| 28 | 1200 mm White /Brown/Bianco ceiling fan (Bajaj) | 13 |  | Each |  |  |

**DETAILS OF MEASUREMENT**

**Name of work: Proposed Construction drack Staff Quarter at Motbung, (SH. Internal Electric Installation)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SL NO.** | **Sub Heads**  | **No.** | **Qnty.** | **Unit** |
| 1 | Wiring for light point/ fan point/ exhaust fan point/...1.10.1) Group A 1.10.2) Group B1.10.3) Group c | 1x4=1x37=1x20= | 43720 | PointPointPoint |
| 2 | Wiring for twin control light point with 1.5 sq.mm FRLS PVC .... | 1x2= | 2.0 | Point |
| 3 | Wiring for light/ power plug with 2X4 sq. mm FRLS PVC ... | 1 x 520= | 520.00 | Metre |
| 4 | Wiring for circuit/ submain wiring alongwith earth wire1.14.1) 2X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire1.14.2) 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire1.14.3) 2X4 sq. mm + 1 X 4 sq. mm earth wire1.14.4) 2X6 sq. mm + 1 X 6 sq. mm earth wire1 1.14.5) 2X 10 sq. mm + 1 X 6 sq. mm earth wire | 1 x 3101 x 4701 x 431x201x30 | 310.00470.0043.0020.0030.00 | MetreMetreMetreMetreMetre |
| 5 | Supplying and fixing two module stepped type electronic fan...... | 1 x 13 = | 13.00 | No |
| 6 | Supplying and fixing suitable size Gl box with modular plate........ | 1 x 22 = | 22.00 | No |
| 7 | Supplying and fixing suitable size Gl box with modular plate...... | 1 x 13 | 13.00 | No |
| 8 | Installation,Testing, Commissioning of wall bracket /ceiling....... | 1 x 44 | 44.00 | No |
| 9 | Installation, testing and commissioning of ceiling fan, including…... | 1 x 13 = | 13.00 | No |
| 10 | Installation of exhaust fan in the existing opening, including... | 1 x 5 | 5.00 | No |
| 11 | Supplying and fixing suitable size GI box with modular plate...... | 1 x 1 | 1.00 | No |
| 12 | Supplying and fixing following way, single pole and neutral,2.3.1) 6-way, Double door2.3.4) 16-way, Double door | 1x1=1x1= | 1.001.00 | NoNo |
| 13 | Supplying and fixing 5 A to 32 A rating, 240/415 V. 10 kA, "C" ………... | 1x18= | 18.00 | No |
| 14 | Supplying and fixing following rating, double pole, (single phase.......2.14.2) 40 A 2.14.3) 63 A | 1x1=1x1= | 1.001.00 | NoNo |
| 15 | Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including.....  | 1x1= | 1.00 | Set |
| 16 | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick. | 1x1= | 1.00 | Set |
| 17 | Providing and laying earth connection from earth electrode with | 1x30= | 30.00 | Metre |
| 18 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess..... | 1x40= | 40.00 | Metre |
| 19 | Providing and fixing of lightning conductor finial, made of 25 mm… | 1x2= | 2.00 | No |
| 20 | Jointing copper/G.I. tape (with another copper/ G tape, base...... | 1 x 3 | 3.00 | No |
| 21 | Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet. | 1 x 25 | 25.00 | Metre |
| 22 | Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet | 1x10 | 10.00 | Metre |
| 23 | Providing and laying G.I. tape 32 mm X 6 mm from earth...... | 1x20 | 20.00 | Metre |
| 24 | Service connection by local Electricity Authority i/c Prepaid meter... | 1x1 | 1.00 | No |
| 25 | Supplying and stringing of service line of 2X10 sq. mm ISI... | 1 x 80 | 80.00 | Metre |
| 26 | Trim CLIPON LED ROUND recess cam surface mounted 12W.... | 1 x 44 = | 44.00 | No |
| 27 | Maxima Dxl. 300 mm white dome External Fan (Bajaj) | 1 x 5 | 5.00 | No |
| 28 | 1200 mm white/Brown/Bianco ceiling fan (Bajaj) | 1 x 13 = | 13.00 | No |

**Name of work: Proposed Construction of Barrack Type Staff Quarter at Mothing, Kangpokpi, Manipur. Water Supply and Sanitary Installation**

(SH:Septic tank and Soak pit)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL NO** |  **Sub-heads or item of work** | **Qnty** | **Rate** | **Unit**  | **Amount** | **Remarks** |
| 1 | Sub-heads or items of workEarthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 m including getting out the excavted soil and disposal od surplus excavated soil as directed within a lead of 50 m (a) Hard/dense soil. | 14.50 |  | Cum |  |  |
| 2 | Sub-Head: Concrete workP/L cement concrete in foundation and plinth excluding the cost of centering and shuttering (a) 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 40 mm nominal size) | 0.69 |  | Sqm |  |  |
| 3 | P/L cement concrete in foundation and plinth excluding the cost of centering and shuttering (a) 1:2:4 (1 cement: 2coarse sand:4 grade stone aggregate 40 mm nominal size) | 0.20 |  | Sqm |  |  |
| 4 | Reinforced cement concrete work in beams, suspended floors, roofs, having slope upto 15 landing, balconies,shelves, chajjas, lintels ,bands, plain windowsill, Staircases and spiral staircase upto floor five level excluding the cost of centering, shuttering.finishing and reinforcement with (a) 1:1.5:3(1 Cement: 1.5 Kanhaighat coarse sand :3 graded stone aggregate | 1.01 |  | Cum |  |  |
| 5 | Steel Reinforcement for R.C.C. work including straightening, cutting. bending, placing in position and binding all complete. Thermo-Mechanically Treated bars. | 64.95 |  | Kg |  |  |
| 6 | Providing formworks l/c centering and shuttering so as to give a rough finish, strutting and propping etc. height of propping and centering below suppoting floor to ceiling not excceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in(b) Flat surface such as suspended floor, roofs landing and like floorsetc. upto 200mm in thickness. | 7.54 |  | sqm |  |  |
| 7 | Sub-Head: Brick Work2nd class (Local 1st class) brick work in foundation and plinth in cement mortar 1:3 (1 cement 3 coarse sand) | 3.60 |  | Cum |  |  |
| 8 | 2nd class (Local 1st class) brick work in foundation and plinth in cement mortar 1:4 (1 cement:4coarse sand) | 5.30 |  | Cum |  |  |
| 9 | Sub-Head: Finishing12mm cement plaster 1:4(1cement 3coarse sand) | 10.80 |  | Sqm |  |  |
| 10 | 15 mm cement plaster 1:3 (1 cement:3 coarse sand) | 2.00 |  | Sqm  |  |  |
| 11 | 3rd class (local mixed class) brick 10mm size inside soak pit (upperLayer) | 0.47 |  | Cum |  |  |
| 12 | 3rd class (local mixed class) brick bat inside soak pit (lower layer) 3rd class (local mixed class) brick bat inside soak pit (lower layer) | 1.41 |  | Cum |  |  |
| 13 | C. I. cover with frame (Manhole and Chambers) d) 600mm x 450mm (Light) | 1 |  | Each |  |  |
| 14 | 50 mm dia. C.I. ventilating pipe | 1 |  | Each |  |  |

**DETAILS MEASUREMENT**

**Name of work: Proposed Construction Water Supply and Sanitary Installation**

**of Staff Quarter at Motbung,**

(SH:Septic Tank and Soak Pit)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SL NO** | **Sub-Heads** | **No** | **Length** | **Breadth** | **Height** | **Qnty** | **Unit** |
| 1 | Sub-Head:-Earth workEarth work in excavation in foundation trenches.1. Loose soft soil

Septic tankSoak-pit up to 3m depthSoak-pit lower portion | 111 | 2.801.770.79 | 1.70 | 1.903.000.20 | 9.045.300.16 | CumCumcum |
|  | **Sub-Head:- Cement Concrete work** |  |  |  |  |  |  |
| 2 | 1:3:6-Foundation | 1 | 2.70 | 1.70 | 0.15 | 0.69 | cum |
| 3 | 1:2:4-Floor | 1 | 2.00 | 1.00 | 0.10 | 0.20 | cum |
| 4 | RCC work in suspended floor.............(a) 1:1.5:3Slab Septic Tank Slab Soak pitR.C.C support of pipe insoak pitBaffle wall in septic Tank | 1111 | 2.501.771.202.25 | 1.500.150.10 | 0.150.150.060.75 | 0.560.260.830.010.171.01 | CumCumCumCumCumcum |
| 5 | Reinforcement for RCC workSlab | 1% | 0.83 | 7850 | Kg/cum | 64.95 | kg |
| 6 | **Sub-Head:-Form work**Providing formworks l/c centering and shuttering. (b) Flat surface | 222222222 | 111111111 | 2.701.702.002.501.501.771.202.250.10 | 0.150.150.150.150.150.150.150.750.75 | 0.810.510.600.750.450.530.363.380.157.54 | SqmSqmSqmSqmSqmSqmSqmSqmSqmsqm |
| 7 | **Sub-Head: Brick Work**2nd class (local 1st class) brick work in foundation and plinth. (a) 1:3... | 22 | 2.501.50 | 0.250.25 | 1.801.80 | 2.251.353.60 | Cumcum |
| 8 | 2nd class (local 1st class) brick work in soak pit (Honey comb 1:4 | 1 | 1.77 |  | 3.00 | 5.30 | cum |
| 9 | **Sub-Head: Finishing** 12 mm cement plaster 1:3. | 22 | 2.001.00 | 1.801.80 |  | 7.203.6010.80 | Sqmsqm |
| 10 | 20 mm cement plaster 1:3.Floor | 1 | 2.00 | 1.00 |  | 2.00 | Sqm |
| 11 | 3rd class (local mixed class) brick 10mm size | 1 | 0.79 |  | 0.60 | 0.47 | cum |
| 12 | 3rd class (local mixed class) brick bat inside | 1 | 0.79 |  | 1.80 | 1.41 | cum |
| 13 | C. I. cover with frame (Manhole and Chambers) | 1 |  |  |  | 1.00 | Nos |
| 14 | 50 mm dia. C.l. ventilating pipe for septic tank | 1 |  |  |  | 1.00 | Nos |

**Name of work: Proposed Construction of Barrack Type Staff Quarter Motbung, Kangpokpi, Manipur. Water Supply and Sanitary Installation (SH:Water Tank)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL NO** |  **Sub-heads or item of work** | **Qnty** | **Rate** | **Unit**  | **Amount** | **Remarks** |
| 1 | **Su-Head:- Earth Work**Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 m including getting out the excavted soil and disposal od surplus excavated soil as directed within a lead of 50 m (a) Hard/dense soil. | 13.50 |  | cum |  |  |
| 2 | **Sub-Head: Concrete work**P/L cement concrete in foundation and plinth excluding the cost of centering and shuttering (a) 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 40 mm nominal size) | 1.80 |  | sqm |  |  |
| 3 | **Sub-Head: Reinforced cement concrete**Reinforced cement concrete work in beams, suspended floors, roofs, having slope upto 15 landing, balconies, shelves chajjas, lintels ,bands, plain windowsill, Staircases and spiral staircase upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with (a) 1:1.5:3(1 Cement: 1.5 Kanhaighatcoarse sand :3 graded stone aggregate | 4.95 |  | cum |  |  |
| 4 | Steel Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo Mechanically Treated bars. | 175.22 |  | kg |  |  |
| 5 | **Sub-Head:-Form work**Providing formworks l/c centering and shuttering so as to give a rough finish, strutting and propping etc. height of propping and centering below suppoting floor to ceiling not excceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in(b) Flat surface such as suspended floor, roofs landing and like floors etc. upto 200mm in thickness. | 23.13 |  | sqm |  |  |
|  | Sub-Head: Finishing |  |  |  |  |  |
| 6 | 12 mm cement plaster 1:4(1cement:4 coarse sand) | 18.00 |  | sqm |  |  |
| 7 | 15 mm cement plaster 1:4 (1 cement:4 coarse sand) | 8.00 |  | sqm |  |  |
| 8 | C. I. cover with frame (Manhole and Chambers) d) 600mm x450mm (Light) | 1 |  | each |  |  |

**DETAILS MEASUREMENT**

**Name of work: Proposed Construction of Barrack Quarter at Motbung, Kangpokpi, Manipur. Water Supply and Sanitary Installation**

**(SH:Water tank)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SL NO** | **Sub-Heads** | **No** | **Length** | **Breadth** | **Height** | **Qnty** | **Unit** |
| 1 | Sub-Head: - Earth workEarth work in excavation in foundation trenches.... (a) Loose soft soil | 1 | 2.25 | 4.00 | 1.50 | 13.50 | CUM |
| 2 | Sub-Head: - Cement Concrete workP/L cement concrete 1:3:6 | 1 | 2.25 | 4.00 | 0.20 | 1.80 | CUM |
| 3 |  Sub-Head: - RCCReinforced cement concrete work in beams suspended floors, roofs, havingSLAB | 1221 | 2.002.004.002.25 | 4.000.200.204.00 | 0.201.501.500.15 | 1.601.202.401.354.95 | CUMCUMCUMCUMCUM |
| 4 | Reinforcement for RCC workSlabBottom layer (8)Top layer: | Estimate to be provided |
|  | JalliBottom layerTop layer |
|  | Bottom layerTop layer |
|  | Sub-Head: -Form work |  |  |  |  |  |  |
| 5 | Providing formworks l/c centering and shuttering (b) Flat surface | 222222 | 111111 | 2.254.002.254.002.254.00 | 0.200.201.501.500.150.15 | 0.901.606.7512.000.681.2023.13 | SqmSqmSqmSqmSqmSqmSqm |
| 6 | 12 mm cement plaster 1:4. | 22 | 2.004.00 | 1.501.50 |  | 6.0012.0018.00 | SqmSqmsqm |
| 7 | 15 mm cement plaster 1:4. | 1 | 2.00 | 4.00 |  | 8.00 | Sqm |
| 8 | C. I. cover with frame (Manhole and Chambers) | 1 |  |  |  | 1.00 | Nos |

**BOQ**

**Name of work: Proposed Construction of Barrack Type Staff Quarter at Mothing, Kangpokp Manipur. Water Supply and Sanitary Installation**

**(SH:Inspection Chamber)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL****NO** | **Sub-heads or items of work** | **Quantity** | **Rate** | **Unit** | **Amount** | **Remarks** |
|  |  |  |  |  |  |  |
| 1 | **Sub-Head: -Earth Work**Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m (a) Hard/dense soil. | 0.74 |  | Cum |  |  |
| 2 | **Sub-Head: Concrete work**P/L cement concrete in foundation and plinth excluding the cost of centering and shuttering (a) 1:3:6 (1 cement: 3 coarse sand :6 graded stone aggregate 40 mm nominal size) | 0.19 |  | Sqm |  |  |
| 3 | Reinforced cement concrete work in beams, suspended floors, roofs, having slope upto 15 landing, balconies, shelves, chajjas, lintels, bands, plain windowsill, Staircases and spiral staircase upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with (a) 1:1.5:3(1 Cement: 1.5 Kanhaighat coarse sand :3 graded stone aggregate | 0.16 |  | Cum |  |  |
| 4 | Steel Reinforcement for R.C.C. work including straightening, cutting. bending, placing in position and binding all complete. Thermo Mechanically Treated bars | 12.30 |  | Kg |  |  |
| 5 | **Sub-Head: -Form work**Providing formworks, I/c centering and shuttering so as to give a rough finish, strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in(b) Flat surface such as suspended floor, roofs landing and like floors etc. upto 200mm in thickness. | 2.09 |  | Sqm |  |  |
| 6 | **Sub-Head: Brick Work**2nd class (Local 1st class) brick work in foundation and plinth in cement mortar 1:3 (1 cement:3 coarse sand) | 0.32 |  | Cum |  |  |
| 7 | **Sub-Head: Finishing**12mm cement plaster 1:4(1cement:3coarse sand) | 1.26 |  | Sqm  |  |  |
| 8 | 25 mm cement concrete flooring 1:2:4(1 cement: 2 coarse sand :4 stone aggregate 20 mm & down gauge) finished with a floating coat of neat cement.Add 6,0% for difference of cost above MSR 2017 upto Jan, 2018 on (A)Add 6.0% for difference of cost from January 2018 to Jan. 2019 on (B)Add 6.0% for difference of cost from January 2019 Jan. 2020 on (C)Add 6.0% for difference of cost from January 2020 to Jan. 2021on (D) | 0.27 |  | sqm |  |  |
| 9 |  |  |  |  |  |  |

**DETAILS OF MEASUREMENT – Inspection Chamber**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SL****NO** | **Sub-Heads**  | **No.** | **Length** | **Breadth** | **Height** | **Qnty** | **Unit** |
| 1 | **Sub-Head: -Earth work**Earth work in excavation in foundation trenches.......... (a) Loose soft soil | 1 | 1.30 | 0.95 | 0.60 | 0.74 | CUM |
| 2 | **Sub-Head: - Cement Concrete work**1:3:6-Foundation | 1 | 1.30 | 0.95 | 0.15 | 0.19 | CUM |
| 3 | RCC work in suspended floor.............(a) 1:1.5:3 Slab | 1 | 1.10 | 0.95 | 0.15 | 0.16 | CUM |
| 4 | Reinforcement for RCC workSlab | 1 | 0.16 | 7850 | KG/CUM | 12.30 | KG |
| 5 | **Sub-Head: -Form work** Providing formworks l/c centering and shuttering (b) Flat surface | 2 | 1 | 1.10 | 0.95 | 2.09 | SQM |
| 6 | **Sub-Head: Brick Work** 2nd class (local 1st class) brick work in foundation and plinth (a) 1:3............... | 22 | 0.600.45 | 0.250.25 | 0.600.60 | 0.180.140.32 | CUM |
| 7 | 12 mm cement plaster 1:4…… | 22 | 0.600.45 | 0.600.60 |  | 0.720.541.26 | SQM |
| 8 | 25 mm cement concrete flooring 1:2:4(1 cement: 2... Floor | 1 | 0.60 | 0.45 |  | 0.27 | SQM |

**BOQ**

**Name of work: Proposed Construction of Barrack Type Staff Quarter at Mott, Water Supply and Sanitary Installation**

**(SH:Plumbing)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL** **NO** | **Sub Head or items of work** | **Quantity** | **Rate** | **Unit** | **Amount** | **Remarks** |
| 1 | **Sub-Head: -Sanitary**Providing and fixing white vitreous china extended wall mounting water closet of size 780X370X690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fitting, nuts, bolts and gasket etc. complete. | 3.00 |  | each |  |  |
| 2 | Providing and fixing white vitreous china flat back half stall urinal of size 580X380X350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P brass flush pipe, fitting as per IS: 2556, C.1. trap with outlet grating and other coupling in C.P. brass, including painting of fitting and cutting and making good the walls and floors wherever required: 25.8.1) Single half stall urinal with 5 litre P.V.C automatic flushing cistern | 1.00 |  | each |  |  |
| 3 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I brackets, 15 mm CP brass pillar taps and stainless steel plug 40 mm, including painting of fitting and brackets, cutting and making good the walls wherever required:24.12.1) Kitchen sink with drain board | 1.00 |  | each |  |  |
| 4 | Providing and fixing wash basin with C.l brackets, 15mm dia. CP brass single hole basin mixer of approved quality and make. including painting of fitting and brackets, cutting and making good the walls wherever required:24.14.1) White Vitreous China Wash basin size 550X400 mm with a 15 mm CP brass single hole basin mixer | 2.00 |  | each |  |  |
| 5 | Providing and fixing in position 2.5 mm diameter mosquito proof coupling of approved Municipal design. | 8.00 |  | each |  |  |
| 6 | Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic molded frame of approved make and shade with 6 mm thick hard board backing24.39.1) Rectangular shape 453X357 mm | 2.00 |  | each |  |  |
| 7 | Providing and fixing C.P brass toilet paper holder. C.P. brass screws | 1.00 |  | each |  |  |
| 8 | Providing and fixing 610X20 mm Diplomat brass towel rail completes with C.P brass brackets fixed to wooden cleats with C.P. brass screw. | 1.00 |  | each |  |  |
| 9 | Providing and fixing liquid soap container of glass with C.P lid and brackets fixed to wooden cleats with C.P brass screws | 1.00 |  | each |  |  |
| 10 | Providing and fixing 100 mm dia. H.C.I. soil, waste and vent pipes | 20 |  | R,m |  |  |
| 11 | Providing and fixing H.C.I. traps with 100 mm inlet and 50 mm outlet of self-cleaning design with HCI screwed down of hinged grating with or without vent arm complete i/c cost of cutting and making good the walls and floors | 6 |  | each |  |  |
| 12 | Providing and fixing UPVC soil, waste, rain water and vent pipes including all requisite fittings, joining of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in charge | 93.00 |  | m |  |  |
| 13 | Providing and fixing G.I pipes complete with G.I fittings Vc trenching and refilling etc. (external work) | 85.00 |  | m |  |  |
| 14 | Providing and fixing G.I pipes complete with G.I fittings and clamps i/c cutting and making good the walls | 89.00 |  | m |  |  |
| 15 | Providing and fixing brass ferrule C.I mouth cover i/c boring and tapping 25.15.2) 20 mm diameter | 1.00 |  | sqm |  |  |
| 16 | Providing and fixing C.P brass Shower Rose with 12.5 mm or 19 mm inlet 25.17.2) 150 mm diameter | 1.00 |  | sqm |  |  |
| 17 | Providing and fixing C.P brass bib-cock of approved quality conforming to IS: 8931 25.19.1) 15 mm nominal bore | 10.00 |  | each |  |  |
| 18 | Providing and fixing C.P brass stop-cock (concealed) of standard design and of approved make conforming to IS: 8931 25.20.1) 15 mm nominal boreAdd 6.0% for difference of cost above MSR 2017 upto Jan. 2018 on (A)Add 6.0% for difference of cost from January 2018 to Jan. 2019 on (B)Add 6.0% for difference of cost from January 2019 to Jan. 2020 on (C)Add 6.0% for difference of cost from January 2020 to Jan. 2021on (D) | 17.00 |  | each |  |  |
| 19 | Providing and fixing 25 litres Geyser with all accessories | 2.00 |  | sqm |  |  |
| 20 | Providing and fixing 1000 litre water tank | 2.00 |  | sqm |  |  |
| 21 | Providing and fixing 1HP Texmo Pump | 1.00 |  | Sqm  |  |  |

**DETAILS OF MEASUREMENT**

**Name of work: Proposed Construction Water Supply and Sanitary Installation of Barrack Type Staff Quarter at Motbung,**

**(SH:Plumbing)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SL NO** | **Sub-HeadS** | **No.** | **Length** | **Breadth**  | **Height** | **Qnty** | **Unit** |
| 1 | Sub-Head: Sanitary WorkProviding and fixing white vitreous china extended wall mounting... | 3 |  |  |  | 3.00 | No |
| 2 | Providing and fixing white vitreous china flat back half stall urinal... | 1 |  |  |  | 1.00 | No |
| 3 | Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink ... | 1 |  |  |  | 1.00 | No |
| 4 | Providing and fixing wash basin with C.I brackets, 15mm dia. CP.... | 2 |  |  |  | 2.00 | No |
| 5 | Providing and fixing in position 2.5 mm diameter mosquito proof.... | 8 |  |  |  | 8.00 | No |
| 6 | Providing and fixing mirror of superior glass (of approved quality) .... | 2 |  |  |  | 2.00 | No |
| 7 | Providing and fixing C.P brass toilet paper holder. C.P. brass .... | 1 |  |  |  | 1.00 | No |
| 8 | Providing and fixing 610X20 mm Diplomat brass towel rail ...... | 1 |  |  |  | 1.00 | No |
| 9 | Providing and fixing liquid soap container of glass with C.P lid.... | 1 |  |  |  | 1.00 | No |
| 10 | Providing and fixing 100 mm dia. H.C.I. soil, waste and vent pipes 20 | 20 |  |  |  | 20.00 | No |
| 11 | Providing and fixing H.C.I. traps with 100 mm inlet and 50 mm outlet... | 6 |  |  |  | 6.00 | No |
| 12 | Providing and fixing UPVC soil, waste, rain water and vent... | 93 |  |  |  | 93.00 | No |
| 13 | Providing and fixing G.I pipes complete with G.I fittings i/c.... | 85 |  |  |  | 85.00 | No |
| 14 | Providing and fixing G.I pipes complete with G.I fittings and.... | 89 |  |  |  | 89.00 | No |
| 15 | Providing and fixing brass ferrule C.I mouth cover i/c boring...... | 1 |  |  |  | 1.00 | No |
| 16 | Providing and fixing C.P brass Shower Rose with 12.5 mm..... | 1 |  |  |  | 1.00 | No |
| 17 | Providing and fixing C.P brass bib-cock of approved quality...... | 10 |  |  |  | 10.00 | No |
| 18 | Providing and fixing C.P.brass stop-cock (concealed) of..... | 17 |  |  |  | 17.00 | No |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL NO** | **DESCRIPTION** | **UNIT** | **QNTY** | **RATE** | **AMOUNT** | **REMARKS** |
| 1 | Providing and fixing 25 litres Geyser With all accessories (v-quard) **Labour**MasonWiremanKhallasi Add 15% overhead and profit on (A) | Each  DayDayDay  | 1.00 1.001.001.00  |  |  |  |
| 2 | Providing and fixing 1000 litre water tank **Labour**MasonKhallasi Add 15% overhead and profit on (A) | EachDayDay | 1.001.001.00 |  |  |  |
| 3 | Providing and fixing 1 HP Texmo pump **Labour**MasonAdd 15% overhead and profit on (A) | Each Day  | 1.001.00 |  |  |  |

**BOQ**

**Name of work: Proposed Construction of Barrack Type Staff Quarter Motbung, Water Supply and Sanitary Installation**

**(SH:External Drain)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL** **NO** | **Sub -Heads** | **Quantity** | **Rate** | **Unit** | **Amount** | **Remarks** |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| 1 | **Sub-Head: - Earth Work**Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 m including getting out the excavted soil and disposal of surplus excavated soil as directed within a lead of 50 m (a) Hard/dense soil. | 0.55 |  | Cum |  |  |
| 2 | **Sub-Head: Concrete work**P/L cement concrete in foundation and plinth excluding the of centering and shuttering (a) 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size | 0.08 |  | Sqm |  |  |
| 3 | Reinforced cement concrete work in beams, suspended floors, roofs. having slope upto 15 landing, balconies, shelves, chajjas,lintels, bands, plain windowsill, Staircases and spiral staircase uptofloor five level excluding the cost of centering, shuttering, finishing and reinforcement with (a) 1:1.5:3(1 Cement: 1.5 Kanhaighat coarsesand 3 graded stone aggregate | 0.06 |  | cum |  |  |
| 4 | Steel Reinforcement for R.C.C. work including straightening, cutting. bending, placing in position and binding all complete.ThermoMechanically Treated bars | 4.71 |  | Kg |  |  |
| 5 | Sub-Head: -Form workProviding formworks l/c centering and shuttering so as to give arough finish, strutting and propping etc. height of propping andcentering below suppoting floor to ceiling not excceeding 4m and removal of the same for in-situ reinforced concrete and plainconcrete work in(b) Flat surface such as suspended floor, roofs landing and like floorsetc. upto 200mm in thickness. | 0.20 |  | Sqm |  |  |
| 6 | Sub-Head: Brick Work2nd class (Local 1st class) brick work in foundation and plinth in cement mortar 1:3 (1 cement 3 coarse sand) | 0.06 |  | Cum |  |  |
| 7 | Sub-Head: Finishing 12mm cement plaster 1:4(1cement: 4 coarse sand) | 0.11 |  | Sqm |  |  |
| 8 | 40mm concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 40 mm nominal size) finish with a floating coat of neat cement.Add 6.0% for difference of cost above MSR 2017 upto Jan 2018 on (A)Add 6.0% for difference of cost from January 2018 to Jan 2019 on (B)Add 6.0% for difference of cost from January 2019 to Jan 2020 on (C)Add 8.0% for difference of cost from January 2020 to Jan, 2021on (D) | 0.14 |  | Sqm |  |  |

**DETAILS OF MEASUREMENT**

**Name of work: Proposed Construction Barrack Staff Quarter at Motbung. Water Supply and Sanitary Installation**

**(SH:External Drain (1 RM)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl****no** | **Sub-Heads** | **No** | **Length** | **Breadth** | **Height** | **Qnty** | **Unit** |
| 1 | 1 Sub-Head: Earth work Earth work in excavation in foundation trenches. (a) Loose soft soil | 1 | 1.00 | 1.00 | 0.55 | 0.55 | cum |
| 2 | Sub-Head: - Cement Concrete work P/L cement concrete 1.3.6 | 1 | 1.00 | 0.80 | 0.100 | 0.08 | Cum |
| 3 | RCC work in suspended floor... (a) 1:1.5:3 | 1 | 1.00 | 0.80 | 0.075 | 0.06 | Cum |
| 4 | Reinforcement for RCC workSlab | 1.00% | 0.06 | 7850 | Kg/cum | 4.71 | kg |
| 5 | Sub-Head: -Form workProviding formworks l/c centering and shuttering(b) Flat surface |  | 12 | 1.000.80 | 0.0750.075 | 0.080.120.20 | Sqmsqm |
| 6 | Sub-Head: Brick Work2nd class local 1st class) brick work in foundation and plinth... | 2 | 0.25 | 0.25 | 0.45 | 0.06 | cum |
| 7 | 12 mm cement plaster 1:4 | 1 | 0.45 | 0.25 |  | 0.11 | sqm |
| 8 | 140mm concrete flooring 1:2:4 (1 cement: 2 coarse sand 4 graded | 1 | 0.30 | 0.45 |  | 0.14 | sqm |

1. [↑](#footnote-ref-1)
2. Capitalised terms used, but not otherwise defined in this Declaration of Undertaking have the meaning given to such term in KfW’s “*Guidelines for the Procurement of Consulting Services, Works, Goods, Plant and Non-Consulting Services in Financial Cooperation with Partner Countries”*. [↑](#footnote-ref-2)
3. The PEA means the purchaser, the employer, the client, as the case may be, for the procurement of Consulting Services, Works, Plant, Goods or Non-Consulting Services. [↑](#footnote-ref-3)
4. In case ILO conventions have not been fully ratified or implemented in the Employer’s country the Applicant/Bidder/Contractor shall, to the satisfaction of the Employer and KfW, propose and implement appropriate measures in the spirit of the said ILO conventions with respect to a) workers grievances on working conditions and terms of employment, b) child labour, c) forced labour, d) worker’s organisations and e) non-discrimination. [↑](#footnote-ref-4)
5. In the case of a JV, insert the name of the JV. The person who will sign the application, bid or proposal on behalf of the Applicant/Bidder shall attach a power of attorney from the Applicant/Bidder. [↑](#footnote-ref-5)