

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

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 where 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.

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 1.3.3/A3/2022

16/03/2026

Item no	Items	Unit	Qty	Estimated Cost without tax	Estimated Bidding Price (Euro) without tax	Type of procurement Method of Procurement /Review
1.3.3	Construction of 3 Rooms Barrack type staff quarters with toilet/kitchen facility	No	1	Rs 87,00,000.00/-	1,06,097.56	Works / NCB /Lumpsum / Post
Total				Rs 87,00,000.00/-	1,06,097.56	

The Community 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 3 Rooms Barrack type staff quarters with toilet/kitchen facility.”**

The Forestry and Water Conservation Society, Manipur now invites sealed Bids from eligible Bidders for **“Construction of 3 Rooms Barrack type staff quarters with toilet/kitchen facility.”**

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 Ukhrul, Range Forest Office Complex, Manipur and project has been allotted a time duration of 180 days.

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: cosfom.pmu.manipur@gmail.com].

Interested bidders may download the complete set of bidding documents, from tender/procurement section on the website www.cosfom.mn.gov.in from 16th March, 2026 onwards or shall obtain from CF&WCS-M office. 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 document on or before [insert time and date]. Late Bids will be rejected. Bids will be publicly opened in the presence of the bidders' designated representatives.

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 3 Rooms Barrack type staff quarters
with toilet/kitchen facility, At Ukhrul, Manipur**

Community Forestry and Water Conservation Society-Manipur

March, 2026

RFP Number – 1.3.3/A3/2022

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PART 1 – BIDDING PROCEDURES

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

- (a) Section I. Instructions to Bidders (ITB);
- (b) Section II. Bid Data Sheet (**BDS**);
- (c) Section III. Evaluation and Qualification Criteria;
- (d) Section IV. Bidding and Qualification Forms;
- (e) Section V. Eligibility Criteria;
- (f) Section VI. KfW Policy - Corrupt and Fraudulent Practices - Social and Environmental Responsibility;

PART 2 Works Requirements

- (g) Section VII. Works Requirements;

PART 3 Conditions of Contract and Contract Forms

- (h) Section VIII. General Conditions (GC);
- (i) Section IX. Particular Conditions (PC);
- (j) 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 be identified 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 **BDS** after 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:

(a) 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

(b) 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:
- (a) Bear the name and address of the Bidder;
 - (b) Be addressed to the Employer in accordance with ITB 22.1;
 - (c) Bear the specific identification of this bidding process specified in the **BDS** 1.1; and

- (d) 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:
 - (a) 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
 - (b) 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:

(a) "Deviation" is a departure from the requirements specified in the Bidding Documents;

(b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and

(c) "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 the Employer 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.

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: Procurement of Construction of 3 Rooms Barrack type staff quarters with toilet/kitchen facility. The identification/procurement plan number is: 1.3.3
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: <i>JV not allowed</i>
ITB 5.2	The Bidder shall submit with its Qualification Document the following additional documents: 1. Average annual financial amount of construction work over a period of last 3 years. INR 1,74,00,000.00/-. 2. To showcase Experience as prime contractor in the construction of at least 3 works of Works over the period of 5 years. Such that total value of construction works satisfactorily completed by the bidder, is at least INR 1,74,00,000.00/-. 3. Liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, – to showcase the same need equal to amount INR 8,70,000.00/-. Certificate from Bank and/or Chartered accountant. 4. The Bidders shall have satisfactorily completed, as a Prime Contractor (and not as a member of joint venture or sub-contractor) during the last 5 years, starting 1st February 2021, under the authority of State/Central Government, State/Central undertakings / Statutory Bodies constituted under the statute of the Central/State Government, Similar Works having a magnitude of : a) One similar completed works costing not less than the amount equal to 40% of the estimated cost. OR b) Two similar completed works costing each not less than the amount equal to 30% of the estimated cost OR

	c) One similar running work which has been completed to the extent of 80% or more and value of which is not less than the desired value at (a) above.										
B. Bidding Documents											
ITB 7.1	For <u>clarification purposes</u> only, the Employer's address is Attention: CCF cum Project Director CF&WCS-Manipur Address: Room No. 202(A) Forest Head Office Sanjenthong, Imphal -795001, Manipur, India, Fax: :+91-385-2450165 Email address: cosfom.pmu.manipur@gmail.com										
ITB 7.1	Web page: www.cosfom.mn.gov.in										
ITB 7.4	<i>A Pre-Bid meeting shall take place at the following date, time and place: Manipur</i> <i>Date: 2nd April, 2026</i> <i>Time: 11:30 AM IST</i> <i>Place: Main Conference hall, Forest Headquarters, Sanjenthong,</i> <i>A site visit conducted by the Employer shall be organized. No logistical arrangements will be made.</i>										
ITB 8.2	Web page: www.cosfom.mn.gov.in										
C. Preparation of Bids											
ITB 10.1	The language of the Bid is English All 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: - <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S.no</th><th>Activity Schedules</th></tr> </thead> <tbody> <tr> <td>1</td><td>Survey, site, soil, working planning and approval</td></tr> <tr> <td>2</td><td>Construction of Plinth Level / foundation</td></tr> <tr> <td>3</td><td>Block work and Joinery till ground floor lintel</td></tr> <tr> <td>4</td><td>Ground floor Roof casting</td></tr> </tbody> </table>	S.no	Activity Schedules	1	Survey, site, soil, working planning and approval	2	Construction of Plinth Level / foundation	3	Block work and Joinery till ground floor lintel	4	Ground floor Roof casting
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1	Survey, site, soil, working planning and approval										
2	Construction of Plinth Level / foundation										
3	Block work and Joinery till ground floor lintel										
4	Ground floor Roof casting										

		5	Electrical finishing	
		6	Plumbing finishing	
		7	Carpentry	
		8	Tilling	
		9	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 13.4 Technical alternatives designed by the Employer <i>[if not permitted under BDS 13.1 above, delete]</i>	Not Applicable			
ITB 14.5	The prices quoted by the Bidder shall be: <i>fixed</i> .			
ITB 14.7	<i>No exemptions from the payment of import duties, taxes, fees, levies and other charges.</i>			
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).			
ITB 18.1	The bid validity period shall be 120 days.			
ITB 19.1	The amount and currency of the bid security shall be: INR 87,000.00/- Bid security will have to be in any one of the forms as specified in the bidding document and shall have to be valid for 45 days beyond the validity of the bid.			
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 than Date: 6 th April, 2026 Time: 3:00 PM IST			

	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, Sanjenthong Address: Community Forestry and Water Conservation Society, Manipur City: Imphal, Manipur ZIP Code: 795001 Country: <i>India</i>
ITB 25.1	The Bid opening shall take place at: Address: Main Conference Hall, Forest Headquarters, Sanjenthong City: Imphal, Manipur ZIP Code: 795001 Country: <i>India</i> Date: <i>8th April, 2026</i> Time: <i>11:30 AM IST</i> 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: Not Applicable Bidders shall Quote in Indian Rupees (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:

- (a) For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year;
- (b) 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.

2. 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 successfully completed;
- (c) 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

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

JV not allowed for this tender.

Section IV. Bidding and Qualification 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:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 8) _____;
- (b) We have no conflict of interest in accordance with ITB 4;
- (c) 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;
- (d) We offer to execute in conformity with the Bidding Documents the following Works: _____;
- (e) The total price of our Bid, excluding taxes and excluding any discounts offered in item (f) below is:
 - i) Total price (excluding taxes) of the Bid _____ (lumpsum)
- (f) The discounts offered and the methodology for their application are:
 - i) The discounts offered are: _____
 - ii) The exact method of calculations to determine the net price after application of discounts is shown below: _____
- (g) 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;
- (h) If our Bid is accepted, we commit to obtain a performance security in accordance with ITB 42 of the Bidding Documents;
- (i) We are 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 Bid

This 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		_____
(g) The bill of quantities		_____
Technical Proposal		
Financial Proposal		
(h) Schedule of payment terms (Lumpsum)		
(i) 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	10%
3	Block work and Joinery till ground floor lintel	5%
4	Ground floor Roof casting	15%
5	Electrical finishing	5%

6	Plumbing finishing	5%
7	Carpentry	10%
8	Tilling	5%
9	Overall Finish	15%

2) 25% of the subtotal amount of the works upon issue of completion certificate

(i)

Time for Completion..... 1.1.9..... 180 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..... Shri L. Joykumar,
CCF cum Project Director
CF&WCS-Manipur

Performance security (if any):

Amount..... 4.4..... 10% of contract amount

Form..... 4.4..... In the form of Bank Gurantee(details)

Time for delivery of security 4.4..... Within 28 days of the Commencement Date.

*Employer to amend as appropriate

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Item	Sub-Clause	Data
Requirements for Contractor's design (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	180 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

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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

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Declaration of Undertaking

Reference name of the Application/Offer/Contract: ("Contract")²

To: ("Project Executing Agency")

1. We recognise and accept that KfW only finances projects of the Project Executing Agency ("PEA")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 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".

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.

- 2.7) being guilty of misrepresentation in supplying the information required as condition to participation in this Tender Procedure.
3. 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:
 - i. 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;
 - ii. 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;
4. 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.
5. 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.
6. 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 Organisation⁴ (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.

7. 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.
8. 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 of⁵: _____

Signature:

Dated:

⁴In 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.

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.

Summary of Cost (Lumpsum cost)

Item	Total Cost {Bidders must state the proposed Costs with the BOQ } INR
Construction of 3 Rooms Barrack type staff quarters with toilet/kitchen facility.	
(1) Total amount without GST	
(2) Total amount of GST (<i>other indirect tax</i>)	
Total Cost of the Financial Proposal with GST;	

DETAILED COST

**Name of Work - Construction of 3 Rooms Barrack type
staff quarters with toilet/kitchen facility.**

SL.No.	Sub-Head/Items of Work	Quantity	Unit	Rate	Amount	Remarks
1	Earth work in excavation by Mechanical means(Hydraulic Excavator)/manual means in foundation trenches or drains (not exceeding 1.50 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms lift upto 1.5 metres including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres a) All kinds of soil.	77.19	m ³			
2	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto	38.60	m ³			

	50 metres lift upto 1.5 metre					
3	Supplying and filling in plinth with sandy soil under floors including watering ramming, consolidating and dressing complete.	120.77	m ³			
4	CEMENT CONCRETE WORK Providing and laying in position cement concrete specified grade excluding the cost of centering and shuttering All work upto - plinth level. a) 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size)	15.63	m ³			
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : a) 1:1.5:3 (1 cement: 1.5	43.71	m ³			

	coarse sand: 3 graded stone aggregate 20 mm nominal size).					
6	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : a) 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size).	13.77	m ³			
7	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement: 1.5 coarse sand 3	47.35	m ³			

	graded stone aggregate 20 mm nominal size)					
8	Reinforcement for R.C.C. work i/c straightening, cutting, bending placing in position and binding all complete. Above plinth level (a) Thermo-Mechanically Treated bars.	14775.92	kg			
9	FORM WORKS Centering and shuttering including strutting, propping etc and removal of form for: (a) Foundation, footings, bases of column etc. and mass concrete. (b) Columns, pillars, piers, Abutments, posts and struts. (c) Suspended floors, roofs, landings, balconies and access platforms (d) Lintels, beams, plinth beams, Girders, bressumers and cantilevers, with water proof ply 12 mm thick.	62.74 225.87 207.17 433.79	m² m² m² m²			
10	Brick work with 1st class common burnt	21.58	m ²			

	clay F.P.S. (non-modular) bricks in foundation and plinth in: a) Cement mortar 1: 4 (1 cement: 4 coarse sand)					
11	Half brick with 1st class common burnt clay F.P.S. (non-modular) bricks in superstructure above plinth level upto floor V level in: a) Cement mortar 1:3 (1 cement: 3 coarse sand)	311.74	m ²			
12	Providing wood works in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fastener of required dia. and length (holdfast lugs or dash fastener shall be paid for separately: (a) Local best quality Teak wood.	5.13	M ³			
13	P/F panelled or paneled and glazed shutters for doors, windows and clerestory windows i/c ISI mark M.S butt hinges bright finished of required size with necessary screws,	49.87	m ²			

	excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (with ordinary type) necessary screws (a) Local best quality teak wood, 35 mm thick shutters.					
	FLOORING WORKS					
14	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps, etc. complete. a) 40mm thick with 20mm nominal size stone aggregate.	207.35	m ²			
15	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08% and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar	193.52	m ²			

	1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Double charge vitrified tile polished finish of size Size of tile 600 x 600 mm					
16	Tile work in skirting, risers of steps and dado (upto 2 m height)over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete. a) Marble tiles (polished) Raj Nagar - 8 mm thick. a) Marble tiles (polished) Raj Nagar - 8 mm thick.	47.25	m ²			
17	Steel work in built up tubular (round, square or rectangular tubes, etc.) trusses, etc. including cutting, hoisting fixing in position and applying a priming coat of approved	3210.85	kg			

	steel primer, including welding and bolted including special shaped washers, etc. complete. Electric resistance or induction butt welded tubes					
18	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and GI limpet washers or with GI limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. -0.63mm thick with zinc coating not less than 275qm/sqm	299.75	sqm			
19	Providing ridges or hips of width 60cm over all width plain GS sheet fixed with polymer	18.70	sqm			

	coated J or L hooks, bolts and nuts 8mm dia GI limpet and bitumen washers complete. -0.63mm thick with zinc coating not less than 275gm/sqm					
	FINISHING					
20	12 mm cement plaster of mix: 1:4 (1 cement : 4 c/sand)	564.07	m ²			
21	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 fine sand)	128.99	m ²			
22	Distempering with oil bound washable distemper of approved brand manufacture to give even shade and a) New work (two or more coats) with over and i/c priming coat with cement primer:	1128.14	m ²			
23	Finishing walls with textured exterior paint of required shade: a) New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm.	322.48	m ²			

24	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand or manufacture.	14.31	m ²			
25	Painting steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand or manufacture.	35.55	m ²			
26	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	84.60	m ²			
27. Others						
All others items						

a.....						
b.....						
c.....						
Total						

Details of Measurement

Name of work:- Construction of 3 Rooms Barrack Type Staff Quarters with toilet/kitchen facility

Details of Measurement

Name of work :- Construction of 3 Rooms Barrack Type Staff Quarters with toilet/kitchen facility

- 1 Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 metres including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres

Footing	1	x	18	x	5.00	x	5.00	x	4.50	=	2025.00 cft
Tie beam	1	x	1	x	1.00	x	30.00	x	1.75	=	52.50 cft
	1	x	1	x	4.00	x	46.83	x	1.75	=	327.81 cft
	1	x	1	x	4.00	x	45.50	x	1.75	=	318.50 cft
										=	2723.81 cft
										=	77.19 cum

- 2 Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 metres lift upto 1.5 metre

$$\frac{1.00}{2} \times 77.19 = 38.60 \text{ cum}$$

- 3 Filling in plinth with sandy soil under floors including watering ramming, consolidating and dressing complete.

	1	x	1	x	46.83	x	45.50	x	2.00	=	4261.53 cft
	1	x	1	x	2.00	x	10.00	x	10.00	=	200.00 cft
										=	120.77 cum

CEMENT CONCRETE WORKS

- 4 Providing and laying cement concrete in foundation and plinth excluding the cost of centering and shuttering in

a) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)

Footing	1	x	18	x	4.50	x	4.50	x	0.50	=	182.25 cft
Tie beam	1.00	x	1.00	x	4.00	x	46.83	x	0.50	=	93.66 cft
	1.00	x	1.00	x	4.00	x	45.50	x	0.50	=	91.00 cft
Plinth beam	1.00	x	1.00	x	4.00	x	46.83	x	0.50	=	93.66 cft
	1.00	x	1.00	x	4.00	x	45.50	x	0.50	=	91.00 cft
										=	551.57 cft
										=	15.63 cum

REINFORCED CEMENT CONCRETE WORKS

- 5 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :

Footing	1	x	18	x	4.50	x	4.50	x	1.00	=	364.50 cft
	18	x	$\frac{1.5}{3}$	x	$\{ \frac{20.25}{3} + 1.00 + \frac{20.25}{3} \}$					=	231.75 cft
Tie beam	1	x	4.00	x	46.83	x	1.00	x	1.00	=	187.32 cft
	1	x	4.50	x	45.50	x	1.00	x	1.00	=	204.75 cft
Plinth beam	1	x	4.00	x	46.83	x	1.00	x	1.50	=	280.98 cft
	1	x	4.00	x	45.50	x	1.00	x	1.50	=	273.00 cft
										=	1542.30 cft
										=	43.71 cum

- 6 Reinforced cement concrete work in walls (any thickness) including attached pilasters ...columns, pillars, piers,

Column	1	x	18	x	1.00	x	1.00	x	27.00	=	486.00 cft
										=	486.00 cft
										=	13.77 cum

- 7 Reinforced cement concrete work in beam, suspended floors, roofs, landing, and reinforcement (a) 1:1.5:3 (1c:1.5 c/sand:3 g/s/aggrt. 20mm nominal size.

Lintel	1	x	1	x	0.50	x	0.67	x	324.00	=	108.54 cft
Floor beam	1	x	4.00	x	45.00	x	1.00	x	1.67	=	300.60 cft
	1	x	4.00	x	43.67	x	1.00	x	1.67	=	291.72 cft
	1	x	1.00	x	30.00	x	1.00	x	1.67	=	50.10 cft
Top beam	1	x	0.00	x	45.00	x	0.83	x	1.00	=	0.00 cft
	1	x	0.00	x	43.67	x	0.83	x	1.00	=	0.00 cft
	1	x	1.00	x	30.00	x	0.83	x	1.00	=	24.90 cft
floor slab:	1	x	1	x	45.50	x	46.83	x	0.42	=	894.92 cft
										=	1670.78 cft
										=	47.35 cum

8 Steel reinforcement for RCC work a) Thermo mechanical treated bars

Footing: 12mm dia bar @4" c/c

No. of bars	=	$\frac{50}{4}$	+	1	=	14.00 nos.
Total no. of bars in both direction	=	2	x	14	=	28.00 nos.
Length of one bar	=	4.17	ft		=	1.27 m
Total length of bars	=	28.00	x	1.27	=	35.56 m
For 18 nos. of footing, total length	=	18	x	35.56	=	640.08 m
Weight of steel bars @ 0.89Kg/m	=	0.89	x	640.08	=	569.67 Kg

Column: 4 nos. each of 16mm & 12mm dia bar

Height of column	=	27.00	ft		=	8.23 m
16mm dia bar: For 4 nos. of bars, length	=	4	x	8.23	=	32.93 m
For 18 nos. of column, C, total length	=	18	x	32.93	=	592.74 m
Weight of steel bars @ 1.58Kg/m	=	1.58	x	592.74	=	936.53 Kg

12mm dia bar:

Weight of steel bars @ 0.89 Kg/m	=	0.89	x	592.74	=	527.54 Kg
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Stirrups: 8mm dia bar @ 5" c/c

No. of bars	=	$\frac{324}{5}$	+	1	=	66.00 nos.
Rectangular: Length of 1 stirrup	=	4	x	10	+	6
					=	46.00 inches
					=	3.83 ft
					=	1.17 m
Total length of stirrup	=	66	x	1.17	=	77.13 m
Weight of steel bars @ 0.4Kg/m	=	0.4	x	77.13	=	30.85 Kg
For 18 nos. of column, weight	=	18	x	30.85	=	555.30 Kg

Diamond

Length of 1 stirrup	=	4	x	8	+	6
					=	38.00 inches
					=	3.17 ft
					=	0.97 m
Total length of stirrup	=	66	x	0.97	=	63.72 m
Weight of steel bars @ 0.4Kg/m	=	0.4	x	63.72	=	25.49 Kg
For 18 nos. of column, weight	=	18	x	25.49	=	458.82 Kg

Tie beam:

- 4 nos. of 16mm dia bar

Total length	=	392.07	ft		=	119.53 m
For 4 nos., length	=	4.00	x	119.53	=	478.13 m
Weight of steel bars @ 1.58Kg/m	=	1.58	x	478.13	=	755.45 Kg

Stirrups: 8mm dia bar @ 5" c/c

No. of bars	=	$\frac{4704.84}{5}$	+	1	=	942.00 nos.
Length of 1 stirrup	=	2	x	10		= 46.00 inches
		2	x	10	+	6
					=	3.83 ft
					=	1.17 m
Total length of stirrup	=	942	x	1.17	=	1100.91 m
Weight of steel bars @ 0.4Kg/m	=	0.4	x	1100.91	=	440.36 Kg

Plinth beam: - 4 nos. of 16mm dia bar & 2 nos. of 12mm dia bar

Total length	=	392.07	ft		=	119.53 m
16mm dia bar: For 4 nos., length	=	4.00	x	119.53	=	478.13 m
Weight of steel bars @ 1.58Kg/m	=	1.58	x	478.13	=	755.45 Kg

12mm dia bar:

For 2 nos., length	=	2.00	x	119.53	=	239.07 m
Weight of steel bars @ 0.89Kg/m	=	0.89	x	239.07	=	212.77 Kg

Stirrups: 8mm dia bar @ 6" c/c

No. of bars	=	$\frac{4704.84}{5}$	+	1	=	942.00 nos.
Length of 1 stirrup	=	2	x	10		= 50.00 inches
		2	x	12	+	6
					=	4.17 ft
					=	1.27 m
Total length of stirrup	=	942	x	1.27	=	1196.65 m
Weight of steel bars @ 0.4Kg/m	=	0.4	x	1196.65	=	478.66 Kg

<u>Lintel:</u> - 4 nos. of 12mm dia bar									
	Total length	=	324.00	ft	=	98.78	m		
	For 4 nos., length	=	4.00	x	98.78	=	395.12	m	
	Weight of steel bars @ 0.89Kg/m	=	0.89	x	395.12	=	351.66	Kg	
<u>Stirrups:</u> 8mm dia bar @ 6" c/c									
	No. of bars	=	<u>3888.00</u>	+	1	=	649.00	nos.	
			6						
	Length of 1 stirrup	=	2	x	4	=	22.00	inches	
			2	x	4	+	6	=	1.83 ft
									0.56 m
	Total length of stirrup	=	649	x	0.56	=	362.75	m	
	Weight of steel bars @ 0.4Kg/m	=	0.4	x	362.75	=	145.10	Kg	
<u>Floor beam:</u> - 6 nos. of 16mm dia bar bar									
	Total length	=	392.07	ft	=	119.53	m		
	For 6 nos., length	=	6.00	x	119.53	=	717.20	m	
	Weight of steel bars @ 1.58Kg/m	=	1.58	x	717.2	=	1133.18	Kg	
<u>Stirrups:</u> 8mm dia bar @ 6" c/c									
	No. of bars	=	<u>4704.84</u>	+	1	=	942.00	nos.	
			5						
	Length of 1 stirrup	=	2	x	10	=	58.00	inches	
			2	x	16	+	6	=	4.83 ft
									1.47 m
	Total length of stirrup	=	942	x	1.47	=	1388.11	m	
	Weight of steel bars @ 0.4Kg/m	=	0.4	x	1388.11	=	555.24	Kg	
<u>Top beam:</u> - 6 nos. of 16mm dia bar bar									
	Total length	=	392.07	ft	=	119.53	m		
	For 6 nos., length	=	6.00	x	119.53	=	717.20	m	
	Weight of steel bars @ 1.58Kg/m	=	1.58	x	717.2	=	1133.18	Kg	
<u>Stirrups:</u> 8mm dia bar @ 6" c/c									
	No. of bars	=	<u>4704.84</u>	+	1	=	942.00	nos.	
			5						
	Length of 1 stirrup	=	2	x	10	=	58.00	inches	
			2	x	16	+	6	=	4.83 ft
									1.47 m
	Total length of stirrup	=	942	x	1.47	=	1388.11	m	
	Weight of steel bars @ 0.4Kg/m	=	0.4	x	1388.11	=	555.24	Kg	
<u>Slab: 12mm dia bar @ 6" c/c in both direction</u>									
	Area of first floor slab	=	1	x	45.50	x	46.83	=	2130.77 sq. ft
	Weight of steel bar @ 2.3 Kg/sq. ft	=	2.3	x	2130.77	=	4900.77	Kg	
	Total weight of slab reinforcement	=				=	4900.77	Kg	
							Total weight of steel bar	=	14464.92 Kg
							Add 2% extra for lapping, wastage, etc.	=	<u>311.00 Kg</u>
									14775.92 Kg

FORM WORKS

- 9 Centering and shuttering including strutting, propping etc. and removal of form for:

- a) Foundation, footings, bases of columns etc. and mass concrete.

Footing	18	x	5	x	5	x	0.50	=	225.00 sqft
	18	x	5	x	5	x	1.00	=	450.00 sqft
								=	675.00 sqft
								=	62.74 sqm

- (b) Columns, pillars, piers, Abutments, posts and struts.

Column	18	x	4	x	27.00	x	1.25	=	2430.00 sqft
								=	2430.00 sqft
								=	225.87 sqm

- (c) Suspended floors, roofs, landings, balconies and access platforms

floor slab	1	x	1	x	45.50	x	46.83	=	2130.77 sqft
	1	x	1	x	7	x	14.00	=	98.00 sqft
								=	2228.77 sqft
								=	207.17 sqm

(d) Lintels, beams, plinth beams, Girders, bressumers and cantilevers, with water proof ply 12 mm thick.

tie beam	1	x	2	x	1.00	x	392.07	=	784.14 sqft
Plinth beam	1	x	2	x	1.00	x	392.07	=	784.14 sqft
	1	x	1	x	1.34	x	392.07	=	525.37 sqft
Lintel	1	x	2	x	1.00	x	324.00	=	648.00 sqft
	1	x	1	x	1.00	x	324.00	=	324.00 sqft
floor beam	1	x	2	x	1.50	x	384.00	=	1152.00 sqft
	1	x	1	x	1.17	x	384.00	=	449.28 sqft
									4666.93 sqft
									433.79 sqm

BRICK WORKS

- 10 Brick work with 1st class common burnt clay F.P.S. (non-modular) bricks in foundation and plinth in :

a) Cement mortar 1 : 4 (1 cement : 4 coarse sand)

1	x	1	x	435.07	x	1.75	=	761.37 cft
								761.37 cft
								21.58 cum

- 11 Half brick with 1st class common burnt clay F.P.S. (non-modular) bricks in superstructure above plinth level upto floor V level in :

a) Cement mortar 1 : 3 (1 cement : 3 coarse sand)

1	x	1	x	392.07	x	8.50	=	3332.60 sqft
1	x	1	x	185.00	x	3.75	=	693.75 sqft
								4026.35 sqft
								374.25 sqm

Less for Openings, Doors & Windows

D	3	x	3.50	x	7.00	=	73.50 sqft
D ₁	3	x	2.50	x	7.00	=	52.50 sqft
D ₂	1	x	4.00	x	7.00	=	28.00 sqft
Openings	2	x	8.00	x	8.50	=	136.00 sqft
W	12	x	6.00	x	5.00	=	360.00 sqft
V	3	x	3.00	x	2.50	=	22.50 sqft
							672.50 sqft
							62.51 sqm
							Net Area = 311.74 sqm

WOOD WORKS

- 12 Providing wood work in frames of doors, windows, a) Local best quality teak wood.

D	3	x	3	x	3.50	x	0.250	x	0.42	=	3.31 cft
	3	x	2	x	7.00	x	0.250	x	0.42	=	4.41 cft
D ₁	3	x	3	x	2.50	x	0.250	x	0.42	=	2.36 cft
	3	x	2	x	7.00	x	0.250	x	0.42	=	4.41 cft
D ₂	1	x	1	x	4.00	x	0.250	x	0.42	=	0.42 cft
	1	x	1	x	7.00	x	0.250	x	0.42	=	0.74 cft
W	12	x	3	x	6.00	x	0.250	x	0.42	=	22.68 cft
	12	x	2	x	5.00	x	0.250	x	0.42	=	12.60 cft
V	3	x	2	x	3.00	x	0.250	x	0.42	=	1.89 cft
	3	x	3	x	2.50	x	0.250	x	0.42	=	2.36 cft
											55.18 cft
											5.13 sqm

13	P/F panelled or panelled and glazed shutter.. a) Local best quality Teak wood									
	D	3	x	1	x	3.50	x	7.00	=	73.50 sqft
	D ₁	3	x	1	x	2.50	x	7.00	=	52.50 sqft
	D ₂	1	x	1	x	4.00	x	7.00	=	28.00 sqft
	W	12	x	1	x	6.00	x	5.00	=	360.00 sqft
	V	3	x	1	x	3.00	x	2.50	=	22.50 sqft
									=	536.50 sqft
									=	49.87 sqm

FLOORING WORKS

14	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps, etc. complete.									
	a) 40mm thick with 20mm nominal size stone aggregate.									
		1	x	1	x	45.50	x	46.83	=	2130.77 sq. ft
		1	x	1	x	10.00	x	10.00	=	100.00 sq. ft
									=	2230.77 sq. ft
									=	207.35 sqm

15	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.									
	Double charge vitrified tile polished finish of size									
	Size of tile 600 x 600 mm									

1	x	2	x	17.50	x	17.50	=	612.50 sq. ft
1	x	1	x	17.50	x	16.34	=	285.95 sq. ft
1	x	1	x	27.34	x	16.34	=	446.74 sq. ft
1	x	2	x	7.00	x	4.83	=	67.62 sq. ft
1	x	1	x	10.00	x	38.58	=	385.80 sq. ft
1	x	1	x	10.00	x	18.34	=	183.40 sq. ft
1	x	1	x	10.00	x	10.00	=	100.00 sq. ft
							=	2082.01 sq. ft
							=	193.52 sqm

- 16 Tile work in skirting, risers of steps and dado (upto 2 m height) over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete. a) Marble tiles (polished) Raj Nagar - 8 mm thick.
- a) Marble tiles (polished) Raj Nagar - 8 mm thick.

1	x	2	x	70.00	x	0.50	=	70.00 sq ft
1	x	1	x	67.68	x	0.50	=	33.84 sq ft
1	x	1	x	87.36	x	0.50	=	43.68 sq ft
1	x	1	x	47.32	x	6.00	=	283.92 sq ft
1	x	1	x	153.84	x	0.50	=	76.92 sq ft
							=	508.36 sq ft
							=	47.25 sqm

ROOF WORKS:

- 17 Steel work in built up tubular (round, square or rectangular tubes, etc.) trusses, etc. including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, including welding and bolted including special shaped washers, etc. complete.

- Electric resistance or induction butt welded tubes

Total weight of 1 truss for Speed 47 as per the **Annexure I** enclosed = **235.97 Kg**

1 x 4.00 x 235.97 = 943.88 Kg

Purlins:

2 x 7.00 x 15.49 = 216.86 m

2 x 5.00 x 3.70 = 37.00 m

253.86 m

Using 65mm (NB) Heavy tube @ 7.93 Kg/m,

Weight = 7.93 x 253.86 = **2013.11 Kg**

Grand Total weight = **3210.85 Kg**

- 18 Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and GI limpet washers or with GI limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.

-0.63mm thick with zinc coating not less than 275gm/sqm

2 x 8.52 x 15.10 = 257.30 sqm

2 x 3.61 x 5.88 = 42.45 sqm

299.75 sqm

- 19 Providing ridges or hips of width 60cm over all width plain GS sheet fixed with polymer coated J or L hooks, bolts and nuts 8mm dia GI limpet and bitumen washers complete.

-0.63mm thick with zinc coating not less than 275gm/sqm

1 x 1.00 x 15.10 = 15.10 sqm

1 x 1.00 x 3.60 = 3.60 sqm

18.70 sqm

FINISHING WORKS

- 20 12 mm cement plaster 1:3 (1 cement : 3 c/sand)

Internal walls 2 x 4 x 17.50 x 8.50 = 1190.00 sqft

1 x 2 x 17.50 x 8.50 = 297.50 sqft

1 x 2 x 16.34 x 8.50 = 277.78 sqft

1 x 2 x 27.34 x 8.50 = 464.78 sqft

1 x 2 x 16.34 x 8.50 = 277.78 sqft

1 x 2 x 38.58 x 8.50 = 655.86 sqft

1 x 2 x 10.00 x 8.50 = 170.00 sqft

2 x 2 x 18.34 x 8.50 = 623.56 sqft

2 x 2 x 7.00 x 8.50 = 238.00 sqft

2 x 2 x 4.83 x 8.50 = 164.22 sqft

1 x 2 x 15.00 x 8.50 = 255.00 sqft

1 x 2 x 4.50 x 8.50 = 76.50 sqft

Ceiling 1 x 1 x 45.50 x 46.83 = 2130.77 sqft

6821.75 sqft

634.09 sqm

Less for Door / Window

D 1 x 3 x 3.50 x 7.00 = 73.50 sqft

D₁ 1 x 3 x 2.50 x 7.00 = 52.50 sqft

D₂ 1 x 1 x 4.00 x 7.00 = 28.00 sqft

Openings 1 x 2 x 8.00 x 8.50 = 136.00 sqft

1 x 1 x 9.50 x 8.50 = 80.75 sqft

W 1 x 12 x 6.00 x 5.00 = 360.00 sqft

V 1 x 3 x 3.00 x 2.50 = 22.50 sqft

753.25 sqft

70.02 sqm

Net Area = 564.07 sqm

- 21 15 mm cement plaster on rough side of single or half brick wall of mix:
 External walls 1 x 1 x 184.67 x 10.00 = 1846.70 sqft
 = **171.65 sqm**
 Less for Door / Window
 Opening 1 x 1 x 9.00 x 8.50 = 76.50 sqft
 W 1 x 12 x 6.00 x 5.00 = 360.00 sqft
 V 1 x 3 x 3.00 x 2.50 = 22.50 sqft
 = **459.00 sqft**
 = **42.66 sqm**
Net Area = 128.99 sqm
- 22 Distempering with oil bound washable distemper of approved brand and manufacture to give even shade
 a) New work (two or more coats) with over and i/c priming coat with cement primer:
 Internal wall = **1128.14 Sqm**
- 23 Finishing walls with textured exterior paint of required shade :
 a) New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm.
 External wall = **322.48 Sqm**
- 24 Painting wood work with Deluxe Multi Surface Paint of required shade.Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand or manufacture.
 D 3 x 3.50 x 7.00 = 73.50 sqft
 D₁ 3 x 2.50 x 7.00 = 52.50 sqft
 D₂ 1 x 4.00 x 7.00 = 28.00 sqft
 = 154.00 sqft
 = **14.31 sqm**
- 25 Painting steel work with Deluxe Multi Surface Paint to give an even shade.Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand or manufacture.
 W 12 x 6.00 x 5.00 = 360.00 sqft
 V 3 x 3.00 x 2.50 = 22.50 sqft
 = 382.50 sqft
 = **35.55 sqm**
- 26 Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.
 1 x 1.50 x 56.40 = **84.60 sqm**

Internal Electrical Installation and Water supply & Sanitary Installation

SL.No.	Item of Work	Qty	Unit	Rate	Amount	Remark
1	Wiring for light point fan point / exhaust fan point/ call bell point with 1.5sq mm FRLS PVC insulated copper conductor single core cable in surface or recessed medium class PVC conduit with modular type switch, modular plate suitable GI box and earthing the point with 1.5sqmm FRLS PVC insulated copper. conductor single core etc. as required					
	1.Group A	20	Pt			
	2. Group B	26	Pt			
	3. Group C	10	pt			
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surfac/ recessed medium class PVC conduit, 2 way 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	pt			
3	Wiring for light point / power plug with 2x4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 1 no.s 4sq. mm FRLS PVC insulated copper	17	pt			

	conductor single core cable for loop earthing etc. as reqd.					
4	Wiring for circuit / sub-main wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit etc. as reqd.					
A	2x1.5mm ² + 1x2.5mm ² earth wire	170	Mtr.			
B	2x2.5mm ² + 1x2.5mm ² earth wire	320	Mtr.			
C	2 x 4mm ² + 1 x 4mm ² earth wire.	360	Mtr.			
D	2x 10mm ² + 1 x 10mm ² earth wire.	30	Mtr.			
E	2X 16 sq. mm + 1 X 6 sq. mm earth wire	20	Mtr.			
F	4x 16mm ² +2x 16mm ² earth wire.	50	Mtr.			
5	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
A	1 or 2 module(75mmX75mm)	2	Nos			
B	3 Module (100mmX75mm)	4	Nos			
C	4 Module (125mmX75mm)	12	Nos			
D	6 Module(200mmX75mm)	2	Nos			
E	8 Module (125mmX125mm)	5	nos			
F	12 Module(200mmX150mm)	5	nos			

6	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc.as required.					
A	5/6 A switch	12	nos			
B	15/16A Switch	14	nos			
C	3 pin 5/6 A socket outlet	12	nos			
D	6 pin 15/16 A socket outlet	17	nos			
E	S/F Havells Coral series mini MCB 1 module Modular type 16A single pole C series.	13	nos			
f	S/F Havells Coral series Indicator lamp 1 module Modular type AHCIPIG061.	16	nos			
7	Supplying and fixing following modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	20	Nos			
8	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.	4	nos			
	Lighting and other Fixtures					
9	S/F Havells JETA QUANTO PLUS LED Flood light fixtures 30W complete with accessories i/c connection etc. as reqd.	3	nos			
10	S/F Havell's GLOW 15W surface mounted LED downlighter with integrated electronic driver complete with	24	nos			

	accessories i/c connection etc. as					
11	S/F Havell's BRILLANTE ROUND WALL WASHER 4H 4W 3K decorative wall light complete with accessories i/c connection etc. as reqd.	12	nos			
12	S/F Philips LED Bulkhead light(white) 10W complete with accessories i/c connection etc. as reqd.	6	nos			
13	Supplying and fixing brass batten/ angle holder including connection etc. as required.	4	nos			
14	S/F Havells Inverter bulb with B22 Base, 9W in the existing bulb holder.	4	nos			
15	S/F Havell' Stealth Prime Marbel BLDC 1200mm sweep 5 star rating Ceiling fan complete with accessories i/c connection, testing, etc. as reqd.	4	nos			
16	S/F Havells 250mm sweep Venti Air DX Exhaust fan complete with accessories i/c connection, testing, etc. as reqd.	3	nos			
17	S/F V-GuardX20 Neo Filterless kitchen chimney, 90cm, one-touch heat auto- clean, touch panel with gesture control, complete with accessories i/c ducting, connection etc. as reqd.	1	nos			
18	S/F Havells Monza Digi GHWAMJSIB015 15L 2kW Geyser complete with accessories i/c	4	nos			
19	Fire Extinguisher	2	nos			

	S/F carbon dioxide type Fire					
20	EARTHING Earthing with copper earth plate 600mm X 600mm X 3mm 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.	2	nos			
21	Supplying and laying 25mm x 5mm copper strip at 0.50 metre below ground as strip earth electrode, including connection / terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of GI nut bolt & spring washer spaced at 50 mm)	20.256	mtrs			
22	Providing and fixing 4.00mm dia copper wire on surface or in recess for loop earthing as required	30	mtrs			
23	Service Connection Supply of 3.5 c x 25 sq.mm 1.1KV grade armoured Aluminium conductor XLPE cable	130	mtrs			
24	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					

	a. Upto 35 sq.mm	115	mtrs			
25	Switcgear Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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) a. 8 way (4+24), Double door	1	nos			
26	Supplying and fixing following ways single pole and neutral, sheet steel, MCB distribution board, 240V, 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).					
A	6 way, double door	2	Nos			
B	12 way, double door	1	nos			
27	S/F L&T s Exora Miniature Circuit Breaker (following pole, rating & code) C-Curved in the existing MCB DB complete with accessories including connection, testing, etc. as required.					
	Four Pole BB40630C 63A	1	nos			

28	Supplying and fixing 5A to 32A rating, 240/415V, 10kA, "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 reqd.					
A	Single pole.	28	Nos			
B	Double pole	1	Nos			
C	Single pole blanking plate	10	nos			
29	Supplying and fixing following rating, double pole, (single phase and neutral), 240V, residual current circuit breaker(RCCB), having a sensitive current 30mA in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.					
	25A	1	nos			
30	Supplying and fixing following rating, four pole, (three phase and neutral), 415V, residual current circuit breaker(RCCB), having a sensitive current 30mA in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.					
	63A	1	nos			
31	S/F L&T s Exora MCB type Changeover switch Double Pole, 40A, AUC00204000 in the existing MCB DB complete with accessories including					

	connection, testing, etc. as required.					
	UPS SYSTEM					
32	SITC of Luminous Inverter and Battery Combo (Icon 1100 Pure Sine Wave 900VA/12V Inverter with RC 24000 PRO Tall Tubular 180 Ah Battery), complete with accessories, etc as reqd.	1	set			
33	Miscellaneous items Cost of 20 mm iron staples/saddles/ screws	5	nos			
34	Cost of Al.Alloy/Cadmium plated iron screws, 20mm	5	nos			
35	S/F Havells Self Priming Monobloc pum A series "MHPAAJ1X00' 1.00HP complete with connection, testing, etc as	1	nos			
36 <i>Others</i> <i>All others items</i> <i>a.....</i> <i>b.....</i> <i>c.....</i> <i>Total</i>						

DETAILS OF MEASUREMENT

Name of work:- Internal Electric Installation of 3 Rooms Barrack Type Staff Quarters with toilet/kitchen facility

Sl. No.	Sub-Heads	No.	Qty.	Unit
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5sq mm FRLS PVC insulated copper conductor single core cable in surface or recessed medium class PVC with modular type switch, modular plate, suitable GI box and earthing the point with 1.5sqmm FRLS PVC insulated copper conductor single core cable etc. as required			
	1. Group A	1 X 20 =	20	pt.
	2. Group B	1 X 26 =	26	pt.
	3. Group C	1 X 10 =	10	pt.
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 GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.as required.			
		1 X 1 =	1	pt.
3	Wiring for light point / power plug with 2x4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit alongwith 1 no.s 4sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing etc. as reqd.			
		1 X 17 =	17	pt.
4	Wiring for circuit / sub-main wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit etc. as reqd.			
	a. 2x1.5mm ² + 1x2.5mm ² earth wire	1 X 170 =	170	mtr.
	b. 2x2.5mm ² + 1x2.5mm ² earth wire	1 X 320 =	320	mtr.
	c. 2 x 4mm ² + 1 x 4mm ² earth wire.	1 X 360 =	360	mtr.
	d. 2x 10mm ² + 1 x 10mm ² earth wire.	1 X 30 =	30	mtr.
	e. 2 X 16 sq. mm + 1 X 6 sq. mm earth wire	1 X 20 =	20	mtr.
	f. 4x 16mm ² + 2x 16mm ² earth wire.	1 X 50 =	50	mtr.
5	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.			
	a. 1 or 2 module(75mmX75mm)	1 X 2 =	2	nos.
	b. 3 Module (100mmX75mm)	1 X 4 =	4	nos.
	c. 4 Module (125mmX75mm)	1 X 12 =	12	nos.
	d. 6 Module(200mmX75mm)	1 X 2 =	2	nos.
	e. 8 Module (125mmX125mm)			

Sl. No.	Sub-Heads	No.		Qty.	Unit
		1	X	5 =	5 nos.
	f. 12 Module(200mmX150mm)	1	X	5 =	5 nos.
6	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc.as required.				
	a. 5/6 A switch	1	X	12 =	12 nos.
	b. 15/16A Switch	1	X	14 =	14 nos.
	c. 3 pin 5/6 A socket outlet	1	X	12 =	12 nos.
	d. 6 pin 15/16 A socket outlet	1	X	17 =	17 nos.
	e. S/F Havells Coral series mini MCB 1 module Modular type 16A single pole C series .	1	X	13 =	13 nos.
	f. S/F Havells Coral series Indicator lamp 1 module Modular type AHCIPIG061.	1	X	16 =	16 nos.
7	Supplying and fixing following modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	1	X	20 =	20 nos.
8	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.	1	X	4 =	4 nos.
Lighting and other Fixtures					
9	S/F Havells JETA QUANTO PLUS LED Flood light fixtures 30W complete with accessories i/c connection etc. as reqd.	1	X	3 =	3 Nos.
10	S/F Havell's GLOW 15W surface mounted LED downlighter with independent electronic driver complete with accessories i/c connection etc. as reqd.	1	X	24 =	24 Nos.
11	S/F Havell's BRILLANTE ROUND WALL WASHER 4H 4W 3K decorative wall light complete with accessories i/c connection etc. as reqd.	1	X	12 =	12 nos.
12	S/F Philips LED Bulkhead light(white) 10W complete with accessories i/c connection etc. as reqd.	1	X	6 =	6 nos.
13	Supplying and fixing brass batten/ angle holder including connection etc. as required.	1	X	4 =	4 nos.
14	S/F Havells Inverter bulb with B22 Base, 9W in the existing bulb holder.	1	X	4 =	4 Nos.
15	S/F Havell' Stealth Prime Marbel BLDC 1200mm sweep 5 star rating Ceiling fan complete with accessories i/c connection, testing, etc. as reqd.	1	X	4 =	4 Nos.
16	S/F Havells 250mm sweep Venti Air DX Exhaust fan complete with accessories i/c connection, testing, etc. as reqd.	1	X	3 =	3 nos
17	S/F V-GuardX20 Neo Filterless kitchen chimney, 90cm, one-touch heat auto-clean, touch panel with gesture control, complete with accessories i/c ducting , connection etc. as reqd.	1	X	1 =	1 nos

Sl. No.	Sub-Heads	No.		Qty.	Unit
18	S/F Havells Monza Digi 'GHWAMJSIB015' 15L 2kW Geyser complete with accessories i/c connection etc. as reqd.	1	X 4 =	4	nos
19	S/ F Carbondioxide type fire extinguisher.	1	X 2 =	2	nos
<u>EARTHING</u>					
20	Earthing with copper earth plate 600mm X 600mm X 3mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering	1	X 2 =	2	nos.
21	Supplying and laying 25mm x 5mm copper strip at 0.50 metre below ground as strip earth electrode, including connection / terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of GI nut bolt & spring washer spaced at 50 mm)	1	X 20 =	20.256	mtrs.
22	Providing and fixing 4.00mm dia copper wire on surface or in recess for loop earthing as required	1	X 30 =	30	mtrs.
<u>Service Connection</u>					
23	Supply of 3.5 c x 25 sq.mm 1.1KV grade armoured Aluminium conductor XLPE cable	1	X 130 =	130	mtrs.
24	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a.	Upto 35 sq.mm	1	X 115 =	115	mtrs.
<u>Switchegear</u>					
25	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)				
a.	8 way (4 + 24), Double door	1	X 1 =	1	nos.
26	Supplying and fixing following ways single pole and neutral, sheet steel, MCB distribution board, 240V, 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).				
a.	6 way, double door	1	X 2 =	2	nos.
b.	12 way, double door	1	X 1 =	1	nos.
27	S/F L&T's Exora Miniature Circuit Breaker (following pole, rating & code) C-Curved in the existing MCB DB complete with accessories including connection, testing, etc. as required.				
	Four Pole BB40630C 63A	1	X 1 =	1	nos.
28	Supplying and fixing 5A to 32A rating, 240/415V, 10kA, "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 reqd.				
a.	Single pole.	1	X 28 =	28	nos.
b.	Double pole	1	X 1 =	1	nos.

Sl. No.	Sub-Heads	No.		Qty.	Unit
	c. Single pole blanking plate	1	X 10 =	10	nos.
29	Supplying and fixing following rating, double pole,(single phase and neutral), 240V, residual current circuit breaker(RCCB), having a sensitive current 30mA in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
	a. 25A	1	X 1 =	1	nos.
30	Supplying and fixing following rating, four pole,(three phase and neutral), 415V, residual current circuit breaker(RCCB), having a sensitive current 30mA in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
	a. 63A	1	X 1 =	1	nos.
31	S/F L&T' s Exora MCB type Changeover switch Double Pole, 40A , AUC00204000 in the existing MCB DB complete with accessories including connection, testing, etc. as required.				
		1	X 1 =	1	nos.
<u>UPS SYSTEM</u>					
32	SITC of Luminous Inverter and Battery Combo (Icon 1100 Pure Sine Wave 900VA / 12V Inverter with RC 24000 PRO Tall Tubular 180 Ah Battery), complete with accessories, etc as reqd.				
		1	X 1 =	1	set
<u>Miscellaneous items</u>					
33	Cost of 20 mm iron staples/ saddles/ screws				
		1	X 5 =	5	Nus
34	Cost of Al.Alloy/Cadmium plated iron screws, 20mm				
		1	X 5 =	5	Nos
35	S/F Havells Self Priming Monobloc pum A series "MHPAAJ1X00" 1.00HP complete with connection, testing, etc as required				
		1	X 1 =	1	Nos

Name of work:- Internal water supply & sanitary installation of 3 rooms Barrack type staff quarters with toilet/Kitchen facility.

SL.No.	Sub-head & Items of work	Quantity	Unit	Rate	Amount	Remark
1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and	6.00	Each			

	brackets, cutting and making good the walls wherever required: a) White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap					
2	Providing and fixing providing and fixing GI pipes complete with GI fittings and clamps i/c cutting and making good the walls etc (Internal work)					
	(a) 15 mm dia	98.84	Rm			
	(b) 25 mm dia	195.00	Rm			
3	Providing and fixing UPVC soil, waste, rain water and vent pipes including all requisite fittings, jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of a) 160 mm dia.	140.00	Rm			
4	Providing and fixing PVC traps with 100 mm inlet and 100 mm outlet of self cleaning design with	5.00	Each			

	screwed down of hinged grating with or without vent arm complete i/c cost of cutting and making good the walls and					
5	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: a) W.C. pan with ISI marked white solid plastic seat and lid.	5.00	Each			
6	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from	5.00	Each			

	wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.					
7	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick a) Rectangular shape 453x357 mm	5.00	Each			
8	Providing and fixing C.P. brass bib cock of approved quality conforming to 18:8931: a) 15mm nominal bore	2.00	Each			
9	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. a) 15mm nominal bore	5.00	Each			
10	Providing and fixing Stainless	1.00	sqm			

	Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required: a) Kitchen sink with drain board i) 510x1040 mm bowl depth 250 mm					
11	Providing and fixing toilet paper holder: a) C.P. brass	5.00	sqm			
12	complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and a) 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	5.00	cum			
13	Providing and placing on terrace (at all floor levels)	5000.0	Litre			

	polyethylene water storage tank, IS: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for					
	SH: Septic tank & Soakpit					
14	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) 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	49.04	M ³			
15	Filling available excavated earth (excluding	16.35	M ³			

	rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.					
16	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - -All work upto plinth level: 12 mm cement plaster of mix, 1:4 (1 cement: 4 coarse sand)					
	a) 1:2:4 (1 Cement:4 coarse sand:8 graded stone aggregate: 20 mm nominal size)	4.28	m ³			
	b) 1:3:6 (1 Cement:4 coarse sand:8 graded stone aggregate: 20 mm nominal size)	5.70	m ³			
17	Reinforced cement concrete work in beams,	4.85	m ³			

	suspended floors, roofs having slope up to 15" landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size					
18	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. i) Thermo-Mechanically Treated bars	761.06	kg			
19	Centering and shuttering including strutting, propping etc. and removal of form					
	a) Walls (any thickness)	15.00	m ²			

	including attached pilasters, buttresses, plinth and string courses etc.					
	b) Suspended floors, roofs, landings, balconies and access platform.	20.70	m ²			
20	Brick work with 1st class common burnt clay F.P.S. (non modular) bricks in foundation and plinth in: a) Cement mortar 1: 4 (1 cement: 4coarse sand)	12.60	m ³			
21	Honey-comb brick work 10/11.4 cm thick with 1st class common burnt clay F.P.S. (non modular) bricks in superstructure above plinth level and upto floor V level in cement mortar 1:4 (1 cement: 4 coarse sand)	12.15	m ²			
22	12 mm cement plaster of mix, 1:4 (1 cement: 4 coarse sand)	115.20	m ²			
23	Providing and fixing UPVC soil, waste, rain water and vent pipes including					

	all requisite fittings, jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in charge.					
	160 mm dia	80.00	Rm			
	75mm dia	20.20	Rm			
24 Others						
All others items						
a.....						
b.....						
c.....						
Total						

DETAILS OF MEASUREMENT

Name of work:- Internal water supply & sanitary installation of 3 rooms Barrack type staff quarters with toilet/Kitchen facility.

SH: Water supply, Sanitary & Plumbing.

- 1 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever
 - a) White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap

For Toilet & Kitchen :	6	x	1	=	6.00 Nos.
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- 2 Providing and fixing providing and fixing GI pipes complete with GI fittings and clamps i/c cutting and making good the walls etc (Internal work)

(a) 15 mm dia	1	x	98.84	=	98.84 Rm
(b) 25 mm dia	1	x	195.00	=	195.00 Rm
- 3 Providing and fixing UPVC soil, waste, rain water and vent pipes including all requisite fittings, jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of
 - a) 160 mm dia.

	2	x	70	=	140.00 Rm
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- 4 Providing and fixing PVC traps with 100 mm inlet and 100 mm outlet of self cleaning design with screwed down of hinged grating with or without vent arm complete i/c cost of cutting and making good the walls and

	1	x	5	=	5.00 Nos.
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- 5 Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :
 - a) W.C. pan with ISI marked white solid plastic seat and lid.

	1	x	5	=	5.00 Nos.
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- 6 Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.

	1	x	5	=	5.00 Nos.
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- 7 Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :
 - a) Rectangular shape 453x357 mm

	1	x	5	=	5.00 Nos.
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- 8 Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :
 - a) 15mm nominal bore

	1	x	2	=	2.00 Nos.
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- 9 Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to
 - a) 15mm nominal bore

	1	x	5	=	5.00 Nos.
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- 10 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls
 - a) Kitchen sink with drain board
 - i) 510x1040 mm bowl depth 250 mm

	1	x	1	=	1.00 Nos.
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- 11 Providing and fixing toilet paper holder:
 - a) C.P. brass

	1	x	5	=	5.00 Nos.
--	---	---	---	---	------------------
- 12 Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.
 - a) 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.

	1	x	5	=	5.00 Nos.
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- 13 Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.

$$5 \times 1000 = 5000.00 \text{ litre}$$

SH: Septic tank & Soakpit

- 14 Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) 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 All kinds of soil.

Septic tank:	2	x	4.60	x	3.10	x	1.55	=	44.21 m ³
Soakpit:	2	x	r^2	x	1.45			=	4.83 m ³
	2	x	3.14	x	0.53	x	1.45	=	49.04 m ³

- 15 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and

$$\frac{1}{3} \times 49.04 = 16.35 \text{ m}^3$$

- 16 Providing and laying in position cement concrete of specified grade excluding the cost of centering and

-All work upto plinth level:

a) 1:2:4 (1 Cement:4 coarse sand:8 graded stone aggregate: 20 mm nominal size)

Septic tank:	2	x	4.60	x	3.10	x	0.15	=	4.28 m ³
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b) 1:3:6

Septic tank:	2	x	4.60	x	3.10	x	0.20	=	5.70 m ³
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- 17 Reinforced cement concrete work in **beams, suspended floors**, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)

Septic tank cover:	2	x	4.50	x	3.10	x	0.125	=	3.49 m ³
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Soak pit cover:	2	x	r^2	x	0.125			=	0.42 m ³
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	2	x	3.14	x	0.53	x	0.125	=	0.94 m ³
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Baffle wall :	2	x	2.50	x	1.50	x	0.125	=	4.85 m ³
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- 18 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.

i) Thermo-Mechanically Treated bars

Septic tank, Soakpit pit cover & Baffle wall (12 mm dia.):	2 %	x	4.85	x	7850	=	761.06 Kg
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- 19 Centering and shuttering including strutting, propping etc. and removal of form for:

a) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.

Baffle wall :	4	x	2.50	x	1.50	=	15.00 Sqm
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b) Suspended floors, roofs, landings, balconies and access platform.

Septic tank cover:	2	x	4.50	x	2.30	=	20.70 Sqm
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- 20 Brick work with 1st class common burnt clay F.P.S. (non modular) bricks in foundation and plinth in:

a) Cement mortar 1 : 4 (1 cement : 4coarse sand)

Septic tank wall:	4	x	4.50	x	0.25	x	1.80	=	8.10 m ³
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	4	x	2.50	x	0.25	x	1.80	=	4.50 m ³
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$$12.60 \text{ m}^3$$

- 21 Honey-comb brick work 10/11.4 cm thick with 1st class common burnt clay F.P.S. (non modular) bricks in superstructure above plinth level and upto floor V level in cement mortar 1 : 4 (1 cement : 4 coarse sand)

Soak pit :	2	x	2.00	x	1.825				
	2	x	2.00	x	3.14	x	0.53	x	1.825
									= 12.15 Sqm

- 22 12 mm cement plaster of mix, 1:4 (1 cement: 4 coarse sand)

External wall :	4	x	4.50	x	1.80				= 32.40 Sqm
	4	x	2.50	x	1.80				= 18.00 Sqm
Internal wall :	4	x	4.00	x	1.80				= 28.80 Sqm
	8	x	2.50	x	1.80				= 36.00 Sqm
									115.20 Sqm

- 23 Providing and fixing UPVC soil, waste, rain water and vent pipes including all requisite fittings, jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of

a) 160 mm dia.

Waste pipe (Inlet & Outlet etc.):	2	x	40.00						= 80.00 Rm
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a) 75 mm dia.

Vent pipe:	2	x	10.10						= 20.20 Rm
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TECHNICAL PROPOSAL

- Site Organization and Method Statement
- Construction Schedule –
- Personnel proposed
- Equipment proposed
- Suggestions on Stagewise payment – to improve upon payment terms.

The Bidder must provide the documentation based on the requirements below which should be aligned with the relevant 'works Requirements' as outlined under Section VII. This information will be incorporated into the Contract accordingly.

- **Site Organization and Method Statement**

Note to Bidders:

- Please provide details on the contract management set up showing key positions, responsibilities and line of command including subcontractors in an organogram.
- Please describe in detail (not more than three pages) on how to manage and execute the works in line with the above organogram and Construction Schedule below. Explain in particular the integration of a quality management plan for site supervision and the number and deployment schedule for work teams, logistics, material supply chain, incorporation of local labour and subcontractors. The tenderer must comprehensively identify all possible risks to the delivery schedule and the proposed measures to be put in place to mitigate such risks. The tenderer must identify all contingency plans that could be put in place to address possible problems in availability of materials, labour, etc.
- Provide details on separate sheets and bind into submission by securely affixing behind this page

- **Construction Schedule**

Note to Tenderers:

- A detailed Gantt chart combining all activities in one program for the completion of all works. The chart shall clearly indicate the start and finish date of each activity, the interdependencies of the activities, the responsible work team/sub-contractor, required equipment, key dates for progress measurement and payments due, and all milestones during construction.
- The tenderer must submit a complete programme for the completion of all of the works.
- The programme must be accompanied by a provisional cash flow of milestone payments.
- Provide details on separate sheets and bind into submission by securely affixing behind this page

- **Environmental, Social, Health and Safety (ESHS) Management**

Note to Tenderers:

- Refer to Works Requirements (Section VII, Item 1b)

- **Quality Management Plan**

Note to tenderers:

- Provide details of the QAP, Procedures and attached hereto the Company Quality Certification (ISO or similar)

- Provide details on separate sheets and bind into submission by securely affixing behind this page

- **Personnel proposed**

- **Equipment proposed**

Qualification Information

*[The information to be filled in by **bidders** in the following pages shall be used for purposes of qualification as provided for in ITB 5. This information shall not be incorporated in the Contract. Attach additional pages as necessary. Pertinent sections of attached documents should be translated into English].*

1. Individual Bidders or Individual Members of Joint Ventures

- 1.1 Constitution or legal status of Bidder: *[attach copy]*
- Place of registration: *[insert]*
- Principal place of business: *[insert]*
- Power of attorney of signatory of Bid: *[attach]*
- 1.2 Annual amounts of construction works performed during the last 3 years of at least 2 times the value of bids.
- 1.3 3 (three) Number of works of a nature and amount similar to the Works performed as prime Contractor over the last 5 years.

Project name and country	Name of client and contact person	Type of work performed and year of completion	Value of contract (national currency equivalent)
(a)		<i>[The similarity should be based on the physical size, complexity, methods or other characteristics as described under Section VII, Works Requirements]</i>	
(b)			

- 1.4 Major items of Contractor's Equipment proposed for carrying out the Works. *[List all information requested below. Refer also to ITB Sub-Clause 5.3 (d).]*

Item of equipment	Description, make, and age (years)	Condition (new, good, poor) and number available	Owned, leased (from whom?), or to be purchased (from whom?)
(a)	The list of equipment shall be as per Para ITB 5.2 (C)		
(b)			

- 1.5 Qualifications and experience of key personnel proposed for administration and execution of the Contract. *[Attach biographical data. Refer also to ITB Sub-Clause 5.3 (e) and GC Sub-Clause 9.1.]*

Position	Name	Years of experience (general)	Years of experience in proposed position
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a) Project Engineer and quality Control Engineer				
b) Project Supervisor cum Safety Officer				

1.6 Proposed subcontracts and firms involved. Refer to GC Clause 7.

Sections of the Works	Value of subcontract	Subcontractor (name and address)	Experience in similar work
(a)			
(b)			

1.7 Financial reports for the last *[insert number; usually 5]* years: balance sheets, profit and loss statements, auditors' reports, etc. *[List below and attach copies.]*

1.8 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List below and attach copies of support documents.

1.9 Name, address, and telephone, telex, and facsimile numbers of banks that may provide references if contacted by the Employer.

1.10 Information on current litigation(s) in which the Bidder is involved.

Other party(ies)	Cause of dispute	Amount involved
(a)		
(b)		

1.11 Proposed Program (work method and schedule). Descriptions, drawings, and charts, as necessary, to comply with the requirements of the Bidding Documents.

- 2. Joint Ventures**
- 2.1 The information listed in 1.1 - 1.10 above shall be provided for each partner of the joint venture.
 - 2.2 The information in 1.11 above shall be provided for the joint venture.
 - 2.3 Attach the power of attorney of the signatory(ies) of the Bid authorizing signature of the Bid on behalf of the joint venture.
 - 2.4 Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:
 - (a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
 - (b) one of the partners shall be nominated as being in charge, authorized to incur liabilities, and receive instructions for and on behalf of any and all partners of the joint venture; and
 - (c) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.
- 3. Additional Requirements**
- 3.1 Bidders should provide any additional information required in the BDS.

Section V. Eligibility Criteria

Eligibility in KfW-Financed Procurement

1. Consulting Services, Works, Goods, Plant and Non-Consulting Services are eligible for KfW financing regardless of the country of origin of the Contractors (including Subcontractors and suppliers for the execution of the Contract), except where an international embargo or sanction by the United Nations, the European Union or the German Government applies.
2. Applicants/Bidders (including all members of a Joint Venture and proposed or engaged Subcontractors) shall not be awarded a KfW-financed Contract if, on the date of submission of their Application/Offer or on the intended date of Award of a Contract, they:
 - 2.1 are bankrupt or being wound up or ceasing their activities, are having their activities administered by courts, have entered into receivership, or are in any analogous situation;
 - 2.2 have been
 - (a) convicted by a final judgement or a final administrative decision or subject to financial sanctions by the United Nations, the European Union and/or the German Government 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;
 - (b) convicted by a final court decision or a final administrative decision by a court, the European Union or national authorities in the Partner Country or in Germany for Sanctionable Practice during any Tender Process or the performance of a Contract or for an irregularity affecting the EU's financial interests, unless they provide supporting information together with their Declaration of Undertaking (Form available as Appendix to the Application/Offer which shows that this conviction is not relevant in the context of this Contract and that adequate compliance measures have been taken in reaction;
 - 2.3 have been subject within the past five years to a Contract termination fully settled against them for significant or persistent failure to comply with their contractual obligations during Contract performance, unless this termination was challenged and the dispute resolution is still pending or has not confirmed a full settlement against them;
 - 2.4 have not fulfilled applicable fiscal obligations regarding payments of taxes either in the country where they are constituted or the PEA's country;
 - 2.5 are subject to an exclusion decision of the World Bank or any other multilateral development bank and are listed in the respective table with debarred and cross-debarred firms and individual available on the World Bank's website or any other multilateral development bank unless they

provide supporting information together with their Declaration of Undertaking which shows that this exclusion is not relevant in the context of this Contract or

2.6 have given misrepresentation in documentation requested by the PEA as part of the Tender Process of the relevant Contract.

3. State-owned entities may compete only if they can establish that they (i) are legally and financially autonomous, and (ii) operate under commercial law. To be eligible, a state-owned entity shall establish to KfW's satisfaction, through all relevant documents, including its charter and other information KfW may request, that it: (i) is a legal entity separate from their state (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to their state, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt.

Section VI. KfW Policy – Sanctionable Practice – Social and Environmental Responsibility

1. Sanctionable Practice

The PEA and the Contractors (including all members of a Joint Venture and proposed or engaged Subcontractors) must observe the highest standard of ethics during the Tender Process and performance of the Contract.

By signing the Declaration of Undertaking the Contractors declare that (i) they did not and will not engage in any Sanctionable Practice likely to influence the Tender Process and the corresponding Award of Contract to the PEA's detriment, and that (ii) in case of being awarded a Contract they will not engage in any Sanctionable Practice.

Moreover, KfW requires to include in the Contracts a provision pursuant to which Contractors must permit KfW and in case of financing by the European Union also to European institutions having competence under European law to inspect the respective accounts, records and documents relating to the Tender Process and the performance of the Contract, and to have them audited by auditors appointed by KfW.

KfW reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- (a) reject an Offer for Award of Contract if during the Tender Process the Bidder who is recommended for the Award of Contract has engaged in Sanctionable Practice, directly or by means of an agent in view of being awarded the Contract;
- (b) declare misprocurement and exercise its rights on the ground of the Funding Agreement with the PEA relating to suspension of disbursements, early repayment and termination if, at any time, the PEA, Contractors or their legal representatives or Subcontractors have engaged in Sanctionable Practice during the Tender Process or performance of the Contract without the PEA having taken appropriate action in due time satisfactory to KfW to remedy the situation, including by failing to inform KfW at the time they knew of such practices.

KfW defines, for the purposes of this provision, the terms set forth below as follows:

Coercive Practice	The impairing or harming, or threatening to impair or harm, directly or indirectly, any person or the property of the person with a view to influencing improperly the actions of a person.
Collusive Practice	An arrangement between two or more persons designed to achieve an improper purpose, including influencing improperly the actions of another person.
Corrupt Practice	The promising, offering, giving, making, insisting on, receiving, accepting or soliciting, directly or indirectly, of any

illegal payment or undue advantage of any nature, to or by any person, with the intention of influencing the actions of any person or causing any person to refrain from any action.

Fraudulent Practice Any action or omission, including misrepresentation that knowingly or recklessly misleads, or attempts to mislead, a person to obtain a financial benefit or to avoid an obligation.

Obstructive Practice Means (i) deliberately destroying, falsifying, altering or concealing evidence material to the investigation or the making of false statements to investigators, in order to materially impede an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice, or threatening, harassing or intimidating any Person to prevent them from disclosing their knowledge of matters relevant to the investigation or from pursuing the investigation, or (ii) any act intended to materially impede the exercise of KfW's access to contractually required information in connection with an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice.

Sanctionable Practice Any Coercive Practice, Collusive Practice, Corrupt Practice, Fraudulent Practice or Obstructive Practice (as such terms are defined herein) which is unlawful under the Financing Agreement.

2. Social and Environmental Responsibility

Projects financed in whole or partly in the framework of Financial Cooperation have to ensure compliance with international Environmental, Social, Health and Safety (ESHS) standards (including issues of sexual exploitation and abuse and gender based violence) Contractors in KfW-financed projects shall consequently undertake in the respective Contracts to:

- (a) comply with and ensure that all their Subcontractors and major suppliers, i.e. for major supply items comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the respective Contract and the fundamental conventions of the International Labour Organisation⁶ (ILO) and international environmental treaties and;
- (b) implement any environmental and social risks mitigation measures, as identified in the environmental and social impact assessment (ESIA) and further detailed in the environmental and social management plan (ESMP)

⁶In 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.

as far as these measures are relevant to the Contract and implement measures for the prevention of sexual exploitation and abuse and gender-based violence.

PART 2 – WORKS REQUIREMENTS

Section VII. Works Requirements

Contents

1. Specifications

- a) Technical Specifications
- b) List of Technical Personnel for the Key Position
- c) Specifications for Project Area Environmental, Social, Health and Safety Management (ESHS)

2. Drawings

1. Specifications

a) Technical Specifications and Scope of Work

1) Name of The Work – Construction of 4 rooms barrack types staff quarter with Toilet/ kitchen facility and 1 Computer room.

b) List of Technical Personnel for the Key Position

The Contractor will have to appoint the following key personnel during the execution and entire contract period, apart from other key personnel and support staff as necessary.

S No	Position	Educational Requirement	Experience Requirement	Total Nos
1.	Project Engineer and quality Control Engineer	Graduate in Civil Engineering with postgraduate in Management	At least 7 years' experience on execution of civil engineering projects & Experience in Similar Works.	1
2.	Project Supervisor cum Safety Officer	Graduate in Civil Engineering Or Diploma in Civil Engineering	At least 3 years' experience on civil engineering projects for Graduate Engineer. Or At least 5 years' experience on civil engineering projects for Diploma Engineer. Experience of construction supervision of at least 2 civil constructions similar nature of works as per this tender.	1

Note:

1. Aforesaid personnel shall be deployed within the period starting from the date of award of contract as stipulated in the contract.

2. Approval of the competent authority about suitability of personnel shall be obtained before deployment.

3. The Bidder shall submit CVs of proposed personnel confirming eligibility, experience and suitability of the personnel for the project.

c) Specifications for Environmental, Social, Health and Safety Management (ESHS) of the Works

A. General Requirements for ESHS Management		
<i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
1. Responsibilities and liabilities	1.1. In conjunction with his obligations defined under the Contract, the Contractor will plan, execute and document construction works pursuant to the present Environment, Social, Health and Safety specifications (ESHS).	
	1.2. The Contractor is liable for all damages to the environment and people caused by the execution of the works or the methods used for execution, unless it is established that the execution or methods were necessary, according to the provisions of the Contract or an Engineer's instruction.	
	1.3. Under the Contract and as introduced by the present ESHS Specifications, the term "Project Area" means: a) The land where work will be carried out; or b) The land necessary for the implantation of construction facilities (work camp, workshops, offices, storage areas, concrete production plants) and including special access roads; or c) Quarries for aggregates, rock material and riprap; or d) Borrow areas for sand and other selected material; or e) Stockpiling areas for backfill material or other demolition rubble; or f) Any other location, specifically designated in the Contract as a Project Area. The term "Project Area" encompasses any individual Project Area or all Project Areas. For the sake of clarity, Project Area is a different concept than Site under CC Sub-Clause 1.1.17.	

A. General Requirements for ESHS Management		
<i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
	Project Area defines an area within which the Contractor is to comply with environmental, social, health and safety obligations defined in the present ESHS Specifications. Site is the places where the Permanent Works are to be executed and to which Plant and Materials are to be delivered, and where right of access to, and possession of, is to be given by the Employer to the Contractor. The Employer is under no similar obligation for any area located outside the Site, even if within the Project Area, where access is at Contractor's risk. In term of physical footprint, the CC Sub-Clause 1.1.17 Site is included in the Project Area. The Project Area is then of greater geographical extent than the Site.	
	1.4. The ESHS Specifications refer to: a) Protection of the natural environment (water, air, soil, vegetation, biological diversity) in areas within any Project Area and its surroundings, i.e. including but not limited to access roads, quarries, borrow areas, stockpiling of backfill material, camps or storage areas; b) Health and safety conditions to be maintained for the Contractor's personnel and any other person present on the Project Areas, or along access routes; c) Working practices and the protection of people and populations living near the Project Area but exposed to the general disturbance caused by works.	
	1.5. Subcontractors The Contractor shall ensure that all Subcontractors and Suppliers (in particular those for major supply items) are familiar with the ESHS requirements and guidelines valid on Site and Project Area.	
	1.6. Applicable regulations The Contractor must comply with all applicable national laws, permits and regulations and the World Bank Group's	

A. General Requirements for ESHS Management <i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
	Environmental and Social Health and Safety Standards in relation to the protection of the environment and people during construction (e.g. management of impacts and disturbances related to water, air, soils, noise, vibration, vegetation, fauna, flora, waste, groundwater, national labour standards, if relevant indigenous populations, standards on occupational exposure, other). For identifying the applicable regulations, the Contractor may seek external support from a specialist.	
	1.7 Notwithstanding the Contractor's obligation under the above clauses, the Contractor shall implement all measures necessary to avoid undesirable adverse environmental and social impacts wherever possible, restore work sites to acceptable standards, and abide by any environmental performance requirements.	
3. Management of Non-conformities	3.1 Non-conformities detected during inspections carried out by the Supervisor, shall be addressed through measures adapted to the severity of the situation and which may include deductions from Interim Payments in accordance with GC 11.3.	

A. General Requirements for ESHS Management <i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
4. Resources allocated to ESHS management	4.1 Environment, Social, Health and Safety Officer 4.1.1 The Contractor appoints at least one or several Environment, Social, Health and Safety persons in charge, who is/are fully or in part, time in charge of implementing the ESHS requirements. The ESHS person in charge speaks fluently the language of communication of the Contract. The Contractor informs all staff and workers of the name and authority of the ESHS person in charge. 4.1.2 The ESHS person in charge holds the power within the Contractor's organization to escalate non-conformities, and in the event of severe ESHS non-conformities and in agreement with the Employer, suspend the works if considered necessary, and allocate all resources, personnel and equipment required to take any corrective action considered necessary.	
	4.2 Personnel in charge of relations with stakeholders 4.2.1 If applicable, the Contractor nominates a Stakeholders Relations Officer (or Community Liaison Officer if appropriate) who is responsible for relations and engagement with local communities, administrative authorities, and other stakeholders and representatives of economic activities. For contracts with a low level of ESHS risks and impacts, this could also be the Contractors site staff. The Community Liaison Officer must speak the language of the local population in the Project Area. The Stakeholder Relation Officer speaks fluently the language of the local population. 4.2.2 The Stakeholders Relations Officer will be located onsite or within reasonable travelling time from the Project Area. 4.2.3 Local authorities will be informed of the existence of this person as of the start of works and will be provided with telephone	

A. General Requirements for ESHS Management		
<i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
	contact details so as to be able to contact this person if a problem arises during the execution of works, or concerning the behaviour of the Contractor's Personnel, inside or outside the Project Area or any other public disturbances caused by the works.	
	4.3 Both the ESHS and Stakeholder Relations Officer [Community Liaison Officer] will be equipped with the necessary resources to operate independently and get to all location of the Project Area without delay.	
5. Inspections	5.1 The Employer will regularly inspect the Project Area and Project sites for adherence to the contract conditions including the ESHS requirements. State environmental authorities may carry out similar inspection duties. The Contractor shall comply with directives from such inspectors to implement the required measures.	
6. Reporting	6.1 The Contractor prepares regular ESHS progress reports as part of the contractually agreed reporting requirements to the Employer. This will include reporting of accidents and incidents in line with Paragraph 24.	
7. Code of Conduct	7.1. The Contractor establishes a Code of Conduct and displays it clearly within the Project Area. The Contractor will regularly make personnel and workers aware of the Code of Conduct and the associated provisions. The Code of Conduct addresses the following issues: 1. Compliance with applicable laws, rules, and regulations 2. Compliance with applicable health and safety requirements to protect the local community (including vulnerable and disadvantaged groups), the Employer's personnel and the Contractor's personnel, including sub-contractors and day workers (including wearing prescribed personal protective	

A. General Requirements for ESHS Management		
<i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
	equipment, preventing avoidable accidents and a duty to report conditions or practices that pose a safety hazard or threaten the environment) 3. The use of illegal substances 4. Non-Discrimination in dealing with the local community (including vulnerable and disadvantaged groups), the Employer's personnel and the Contractor's personnel, including sub-contractors and day workers (for example on the basis of family status, ethnicity, race, gender, religion, language, marital status, age, disability (physical and mental), sexual orientation, gender identity, political conviction or social, civic, or health status) 5. Interactions with the local community(ies), members of the local community(ies), and any affected person(s) (for example to convey an attitude of respect, including to their culture and traditions) 6. Sexual harassment 7. Violence including sexual and/or gender-based violence 8. Exploitation including sexual exploitation and abuse 9. Protection of children (including prohibitions against sexual activity or abuse, or otherwise unacceptable behavior towards children, limiting interactions with children, and ensuring their safety in the Project Area). 10. Sanitation requirements (for example, to ensure workers use specified sanitary facilities provided by their employer and not open areas) 11. Avoidance of conflicts of interest 12. Respecting reasonable work instructions (including regarding environmental and social norms) 13. Protection and proper use of property (for example, to prohibit theft, carelessness or waste)	

A. General Requirements for ESHS Management <i>[Employer: Please do not delete]</i>		
Topic / Potential Impact	Requirements for Mitigation, Management and Enhancement	Bidder's signature
	14. Duty to report violations of this Code 15. Non-retaliation against workers who report violations of the Code, if that report is made in good faith.	
8. ESHS training	The Contractor provides ESHS inductions and trainings to the workforce, in particular regarding Health and Safety risks and mitigation measures tailored to the project scope. The Contractor makes personnel aware about the importance to protect species, habitats, fauna and flora and the safety and rights of neighbouring communities.	
9. Standards	The Contractor complies with all applicable national norms, standards and discharge, emission etc. limit values defined in the national regulations.	

B. Specific Requirements for ESHS Management

[Employer: Please adjust to the specific ESHS requirements of the works].

B 1 Protection of the Environment and People

Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Com- pliance Yes/No	Please explain in case of No
10. Protection of adjacent areas	10.1 Establish means of protection to avoid or minimise adverse effects on vegetation, soils, groundwater and surface water, biodiversity, natural drainage and the water quality within the works area. Use construction methods to minimise impacts to the extent possible.		
	10.2 Restrict excavation activities during periods of intense rainfall. Use temporary bunding to reduce the risk of sediment, oil or chemical spills to the receiving waters.		
	10.3. Carry out excavation works in cut off ditches to prevent water from entering excavations.		
	10.4 Bring work site boundaries and limits in accordance with plans agreed upon in advance. All construction activities should be carried out within boundaries.		
	10.5 Stay out of surrounding wetland areas.		
	10.6 Keep distances in compliance with national regulations and as appropriate: a) from any permanent water course and outside of floodable areas; b) from sensitive urban services and buildings (health centre, school, water supply for populations); c) from any housing; cultural sites, archaeological areas, sensitive wetlands, forest reserves or any other valued ecosystem component, or on high or steep ground or in areas of high scenic value. d) Where it is not possible to keep distances, permission shall be obtained from the appropriate authorities.		
	10.7 Discourage construction workers from engaging in the exploitation of natural resources such as hunting, fishing, and collection of forest products or any other activity that might have a negative impact on the social and economic welfare of the local communities.		

B 1 Protection of the Environment and People			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
	10.8 After construction, form reshaped land so that it is inherently stable, adequately drained and suitable for the desired long-term land use and allows natural regeneration of vegetation.		
	10.9 Minimize long-term visual impacts.		
11. Selection of borrow areas, backfill material stockpile sites and access road	11.1 Prevent and minimize the impacts of borrow areas or areas to be excavated, backfill material stockpile locations and access roads, quarrying, earth borrowing, piling and building of temporary construction camps and access roads on the biophysical environment including protected areas and arable lands; local communities and their settlements. After termination of the works, in as much as possible restore/rehabilitate all sites to acceptable standards.		
	11.2 Locate stockpile areas in areas where trees can act as buffers to prevent dust pollution. Build perimeter drains around stockpile areas. Locate sediment and other pollutant traps at drainage exits.		
	11.3 Obtain appropriate licenses/permits from relevant authorities, including traditional authorities if appropriate, to operate quarries or borrow areas.		
	11.4 Deposit any excess material in areas approved by local authorities.		
	11.5 Take measures to avoid that stagnant water in uncovered borrow pits creates breeding grounds for mosquitoes.		
	11.6 If disposal sites for clean spoil are necessary, locate them in areas approved by the Employer, of low land use value and where they will not result in material being easily washed into drainage channels. Whenever possible, place spoil materials in low-lying areas, compact and plant with species indigenous to the locality.		
12. Pollution prevention	12.1 For all works minimize pollution risk (e.g. liquid effluents; air emissions; noise and vibration management; vehicle and equipment maintenance and selection; fuel, oil and chemical storage and handling).		

B 1 Protection of the Environment and People			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
	12.2 Identify potentially toxic overburden and screen with suitable material to prevent mobilization of toxins.		
	12.3 Use in as much as possible, local materials to avoid importation of foreign material and long-distance transportation.		
13. Effluents	13.1 Contain and store construction wastewater appropriately, including sanitary water. Do not discharge untreated effluents.		
14. Emissions and dust	14.1 Comply with national requirements for emissions.		
	14.2 Minimise the effect of dust on the surrounding environment resulting from earth mixing sites, asphalt mixing sites, dispersing coal ashes, vibrating equipment, temporary access roads, etc. to ensure safety, health and the protection of workers and communities living in the vicinity of dust producing activities. Use best practice to ensure minimisation of dust emissions (e.g. proper stockpiling, watering etc.) during dry and windy conditions and transportation.		
	14.3 Use vehicles in appropriate technical conditions and provide emissions control equipment where applicable (e.g. filters).		
	14.4 Switch off vehicles when not in use.		
	14.5 Keep speed limits on site.		
	14.6 Sensitise drivers with regards to all measures with regards to avoiding dust and emissions and safe driving.		
15. Noise and vibration	15.1 Avoid operations and vehicle movements at night. Sensitise drivers.		
	15.2 Set traffic speed limits. Sensitise drivers.		
	15.3 Locate stationary equipment (such as power generators) as far as possible from nearby receptors (e.g. worker resting areas, populated areas and environmentally sensitive areas).		

B 1 Protection of the Environment and People			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
	15.4 Keep noise levels emanating from machinery, vehicles and noisy construction activities (e.g. excavation, blasting) at a minimum for the safety, health and protection of workers within the vicinity of high noise levels and nearby communities.		
16. Waste	16.1 If not otherwise instructed by the Employer, identify waste management facilities and waste management contractors. Ensure disposal through waste contractors, licensed for treatment/removal/recycling of each of the waste types, if existent.		
	16.2 Properly collect all wastes produced including containers, litter and any other waste generated during the construction and dispose and segregate at designated disposal sites in line with applicable government waste management regulations.		
	16.3 Minimise the waste production to the extent possible.		
	16.4 Check that areas for depositing hazardous materials such as contaminated liquid and solid materials are approved by the Employer and appropriate local and/or national authorities before the commencement of work. Use existing, approved sites over the establishment of new sites.		
	16.5 Bund all vessels (drums, containers, bags, etc.) containing oil/fuel/surfacing materials and other hazardous chemicals in order to contain spillage.		
	16.6 Remove construction waste left in stockpiles along the road, and reuse or dispose of on a daily basis.		
17. Vegetation clearing	17.1 Limit vegetation clearing to areas within the site boundary where it is strictly necessary.		
	17.2 Avoid clearing mature trees and endangered species.		
	17.3 Do not clear vegetation more than two months in advance of operations.		

B 1 Protection of the Environment and People			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
18. Biodiversity management	18.1 Avoid to the extent possible areas of ecological value.		
	18.2 Avoid disturbances on flora and fauna and natural habitats.		
	18.3 Avoid forest fires.		
19. Erosion and sediment transport	19.1 If construction takes place on inclined surfaces/slopes, take appropriate erosion control measures (e.g. retain trees and other vegetation, use of natural contours for roads and drainage networks, excavated drainage channels).		
	19.2 Appropriately store removed topsoil. After construction, use topsoil as backfill for restoration of the area.		
	19.3 Topsoil shall not be stored in large heaps. Low mounds of no more than 1 to 2 m high are recommended.		
	19.4 Soils shall not be stripped when they are wet as this can lead to soil compaction and loss of structure.		
	19.5 Re-vegetate stockpiles to protect the soil from erosion, discourage weeds and maintain an active population of beneficial soil microbes.		
20. Site rehabilitation	20.1 To the extent practicable, reinstate construction working areas and natural drainage patterns where they have been altered or impaired after construction activities are completed. Rehabilitate the site progressively so that the rate of rehabilitation is similar to the rate of construction. Revegetate with plant species that will control erosion, provide vegetative diversity and, through succession, contribute to a resilient ecosystem. If appropriate, for larger revegetation areas consult experts.		
	20.2 Avoid that rehabilitated areas pose health and safety risks (such as holes, ponds).		
	20.3 Rehabilitate borrow areas, backfill material stockpile sites and access roads, where applicable.		

B 1 Protection of the Environment and People

Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
	20.4 Re-establish existing water flow regimes in rivers, streams and other natural or irrigation channels where they have been disrupted due to works being carried out.		

B 2 Health and Safety

Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
22. Health and safety plan	22.1 Develop an Occupational Health and Safety (OHS) Plan, appropriate to the ESHS impacts and risks level of the works to be carried out. Set a minimum of OHS Standards for each task. Implement prevention, protection and monitoring measures as described in the OHS Plan. The OHS Plan shall include at least: • Provisions to guarantee a safe and healthy work environment, taking into account inherent risks in its particular sector and specific classes of hazards in the work areas, including physical, chemical, biological, and radiological hazards; • Provisions of preventive and protective measures, including management and safety of hazardous materials; • Training of workers; • Documentation and reporting of occupational accidents, diseases, and incidents; • Emergency preparedness and response arrangements; • Provisions for appropriate securing of the sites and work-places (e.g. fencing, signage); • If appropriate: Appointment of site security personnel; • Road safety measures; • First aid and medical assistance; • ESHS measure at community level to avoid community exposure to health issues (see also Paragraph 47).		

B 2 Health and Safety			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Com- pliance Yes/No	Please explain in case of No
23. Occupa- tional Health and Safety (OHS) Reporting	23.1 Document in a structured and transparent system, (e.g. a Site Accident record sheet) all accidents, dangerous occurrences and investigations.		
	23.2 Produce an OHS report documenting OHS performance and progress (e.g. statistics: month, number of workers, number of health and safety staff on site, number/type of OHS trainings); number of near misses, first aid cases, incidents with more than three days of absence, fatalities; summary of all accidents resulting in more than three days of absence (accident details to be enclosed in the Annex); third party incidents (e.g. community members, road traffic etc.)..		
24. Accident reporting procedure	24.1 Record all health and safety related incidents (e.g. observations, accidents, witness statements) on site and follow up immediately and properly. A reportable incident includes any accident to any person on site requiring medical attention or resulting in the loss of working hours or that resulted, or could have resulted in injury, damage or a danger to the works, persons, property or the environment. If applicable, the Contractor will also notify and report of incidents of subcontractors and suppliers (in particular those for major supply items).		
	24.2 Inform the Employer immediately of any accident involving serious bodily injury to a member of personnel, a visitor or any other third party, caused by the execution of the works or the behaviour of the personnel of the Contractor.		
	24.3 Inform the Employer as soon as possible of any near-accident (or near misses) relating to the execution of the works, which, in slightly different conditions, could have led to bodily injury to people, or damage to private property or the environment.		
28. Personal protective equipment	28.1 Make sure that all workers wear Personal Protective Equipment (PPE) (hardhats, masks, safety glasses, safety boots etc. depending on project type).		

B 2 Health and Safety			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Com- pliance Yes/No	Please explain in case of No
31. Emergency scenarios prevention	31.1 Provide necessary prevention equipment on site in line with applicable regulations to respond to emergency scenarios, e.g. fire, explosion, floods, natural hazards, etc.		
	31.2 Immediately clean any spills and remediate contaminated areas.		
	31.3 Maintain high standard in housekeeping on site to avoid emergencies. Properly store construction materials and light equipment.		
	31.4 Train the workers to handle emergency situations.		
33. First-aid	33.1 Keep minimum first aid equipment and provisions on site (e.g. suitably stocked first-aid kits; a person, respectively an adequate number of trained first-aid helpers, inform staff and workers about first-aid arrangements).		
37. Access to health care and training	37.1 Organize for the workforce access to medical treatment within or in the vicinity of the Project Area.		
	37.2 Make contingency arrangements for transporting injured persons to a hospital as quickly as possible.		
40. Hygiene, accommodation and food	40.1 Provide clean and functional hygienic and sanitary facilities and, if applicable accommodation and food, at the site, including shaded welfare areas, bathrooms, toilets, changing rooms and potable water. Ensure toilets and changing rooms are separated between male and female employees.		
	40.2 Organize for the workforce adequate accommodation if applicable, supply of water, adequate sewage and garbage disposal system, appropriate protection against heat, cold, damp, fire and disease-carrying animals, adequate sanitary and washing facilities, adequate lighting, and basic medical services, in accordance with all applicable health and safety regulations and norms.		

B 3 Local labour and relations with local communities			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Com- pliance Yes/No	Please explain in case of No
42. Labour conditions	42.1 The Contractor complies with labour standards as both per national laws and ILO Fundamental Conventions (e.g. prohibit child labour under minimum age; forced labour; sexual assault; discrimination; ensure non-discrimination and equal opportunities of workers; provide information to workers that is clear and understandable regarding their terms and conditions of employment; respect their rights related to hours of work, wages, overtime, benefits at the beginning of the work; ensure payment on a regular basis etc.). Grant the same rights to contracted workers, community workers and primary supply workers.		
	42.2 Develop and implement labour management procedures which set out the way workers will be managed in accordance with the standards mentioned above in Paragraph 42.		
	42.3 Establish a simple but functional complaints mechanism that all workers have access to (e.g. letter boxes which are emptied regularly) and are aware of so that they can raise workplace relevant complaints anonymously (e.g. about unfair treatment, unsafe driving).		
43. Local recruitment	43.1 Prioritise local employment and staff from local communities for the supply of goods and services to the works and local workforce, where appropriate.		
	43.2 Provide additional specialised training to local workforce in skills required by contractor (i.e. administrator, driving etc.).		
44. Transport	44.1 Organise carpools/buses for worker transportation where needed.		
45. Workers accommodation	45.1 If workers campsites need to be installed, ensure that accommodations provide separate toilets and locker rooms for women and men; hygiene and electrical/fire safety standards are maintained; workers have access to an adequate and convenient supply of free potable water; there are no triple deck bunks; mattresses and linens are provided.		

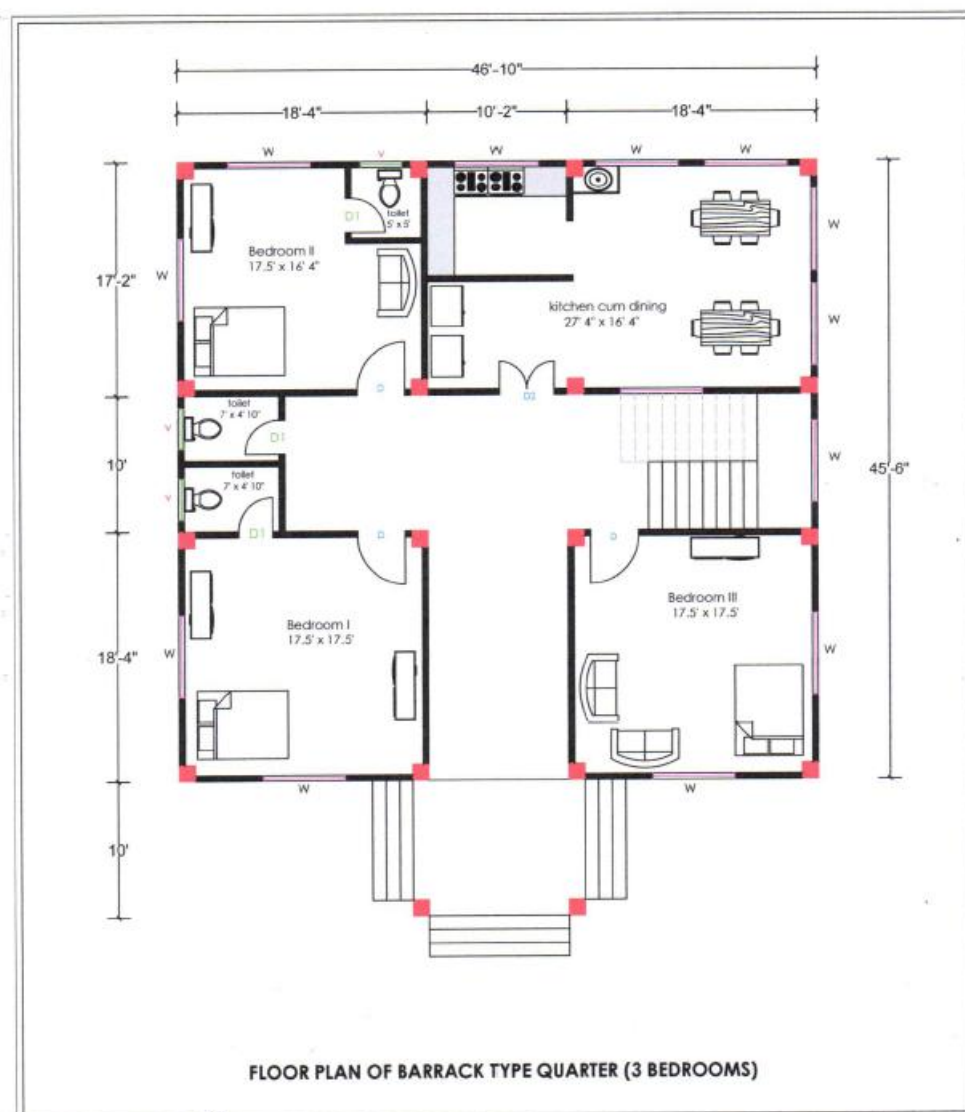
B 3 Local labour and relations with local communities			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Comp- liance Yes/No	Please explain in case of No
46. Meals	46.1 If applicable, provide for at least two meals per shift to local personnel pursuant to proper hygiene conditions. If no canteen is available, pay workers at least for a minimum of 2 meals per day per shift.		
47. Community interaction and safety	47.1 Engage, communicate with and inform communities and local authorities about the works. Obtain local knowledge regarding chance finds and land acquisition matters.		
	47.2 Initiate an efficient grievance mechanism and timely grievance redress to allow potentially affected individuals to raise their concerns regarding damages and disturbances caused by the Contractor or sub-contractors.		
	47.3 Undertake all measures necessary to avoid conflicts with local communities regarding water demands.		
	47.4 Abstract both surface and underground water only after consultation with the local communities and after obtaining a permit from the relevant water authority.		
	47.5 In order to avoid accidents in particular related to the creation of water reservoirs/ ponds or construction site dumps, excavation areas: • Take necessary precaution measures to protect children/residents/workers from falling into ponds, excavation areas, etc. • Restrict access to these areas; install climbing ladders in ponds; install signs and rescue ropes and lifebuoys. • Prepare for emergencies and response arrangements. • Sensitise the population including local primary schools		
48. Damage to people and property	48.1 Train workers and drivers to respect the safety and rights of neighbouring people, communities and their properties to avoid disturbances. Supervise that they respect communities' houses, cultures, animals, properties, customs and practices.		

B 3 Local labour and relations with local communities			
Topic/ Potential Impact	Requirements for Mitigation, Management and Enhancement	Compliance Yes/No	Please explain in case of No
	48.2 Appropriately fence, protect, light and sign-post site areas. Use hazard notices/signs/barriers to protect children and other vulnerable people from harm and prevent access to the sites to non-workers.		
49. Land acquisition and land take	49.1 Check if permissions for building or storing/stocking material have been obtained, including if relevant from local authorities or private landholders. Obtain confirmation that in case of necessary resettlements, people have been compensated and if applicable, have been resettled.		
50. Traffic management	50.1 Establish signage and create public awareness of increased traffic and of potential hazards caused by construction equipment near the Project Area and laydown areas.		
	50.2 Reduce accidents, by minimizing vehicle movements; train drivers for driving and security and check that they have the appropriate permits for driving vehicles.		
51. Fossils/ Archaeological Chance Finds	51.1 If applicable, establish specific procedures to manage the protection of archaeological and historical sites, chance finds and fossils.		
	51.2 Report all finds of cultural heritage (e.g. graves, old ceramic, old building fragments) immediately to the relevant authority and avoid construction in the vicinity of a chance find, fence the chance find and await instructions from the competent authority.		

2. Drawings

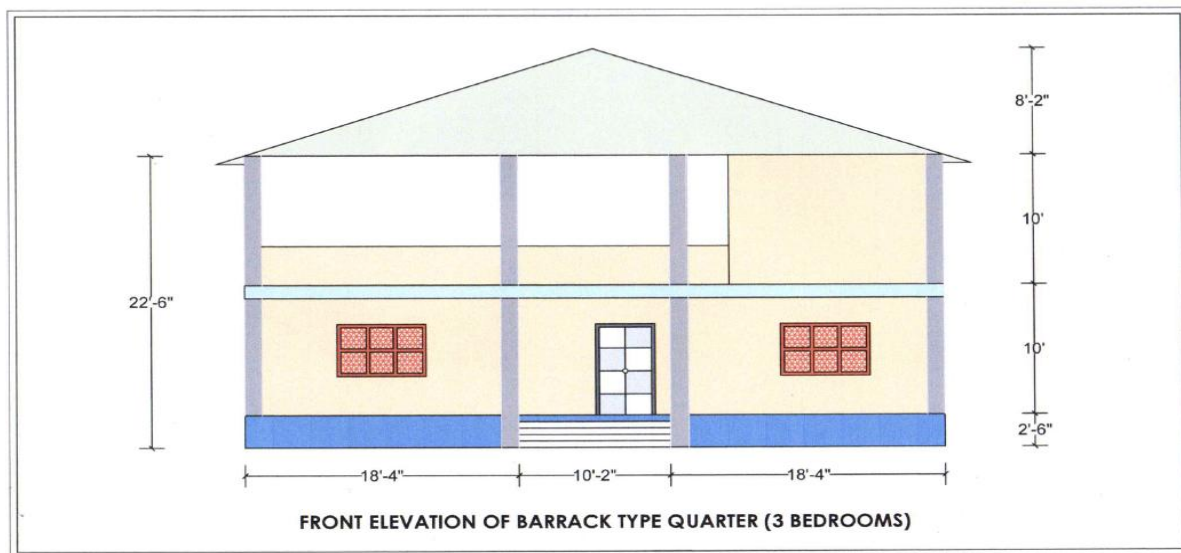
****Disclaimer**** - Final Approved Drawings and any clarification which is required can be obtained from the office of Project Director, Community Forestry and Water Conservation Society

Name of Work:- Construction of 3 Rooms Barrack type staff quarters with toilet/kitchen facility.



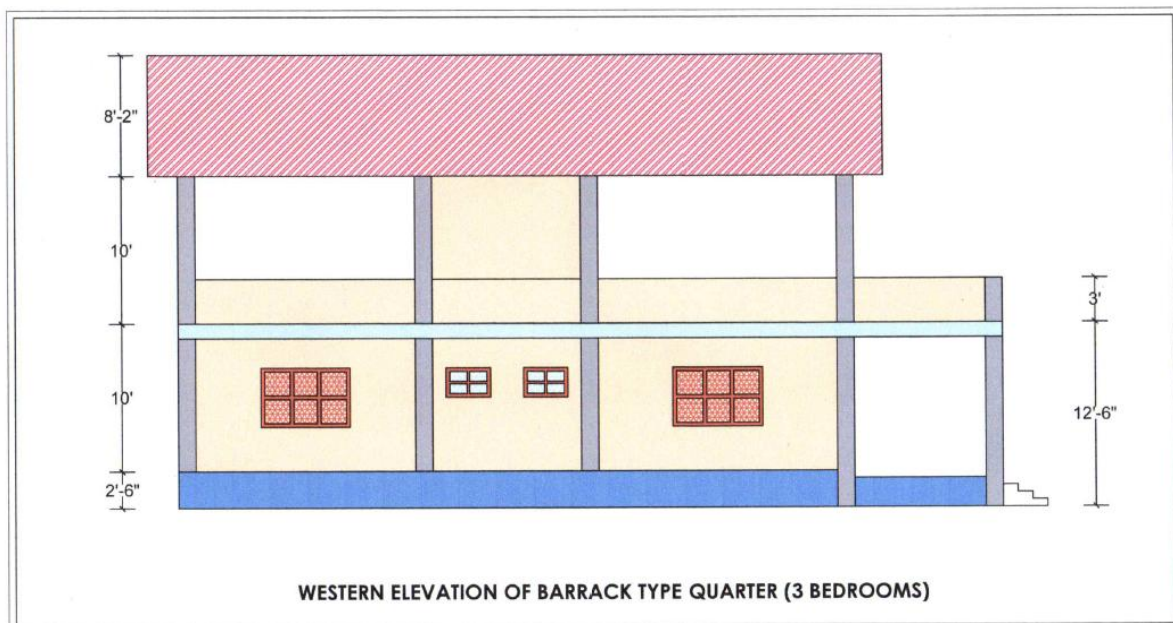
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Assistant Engineer,
Toloi Sub-Division,
Ukhul Division, P.W.D. Manipur

[Signature]
Executive Engineer
Ukhul Division
P.W.D. Manipur



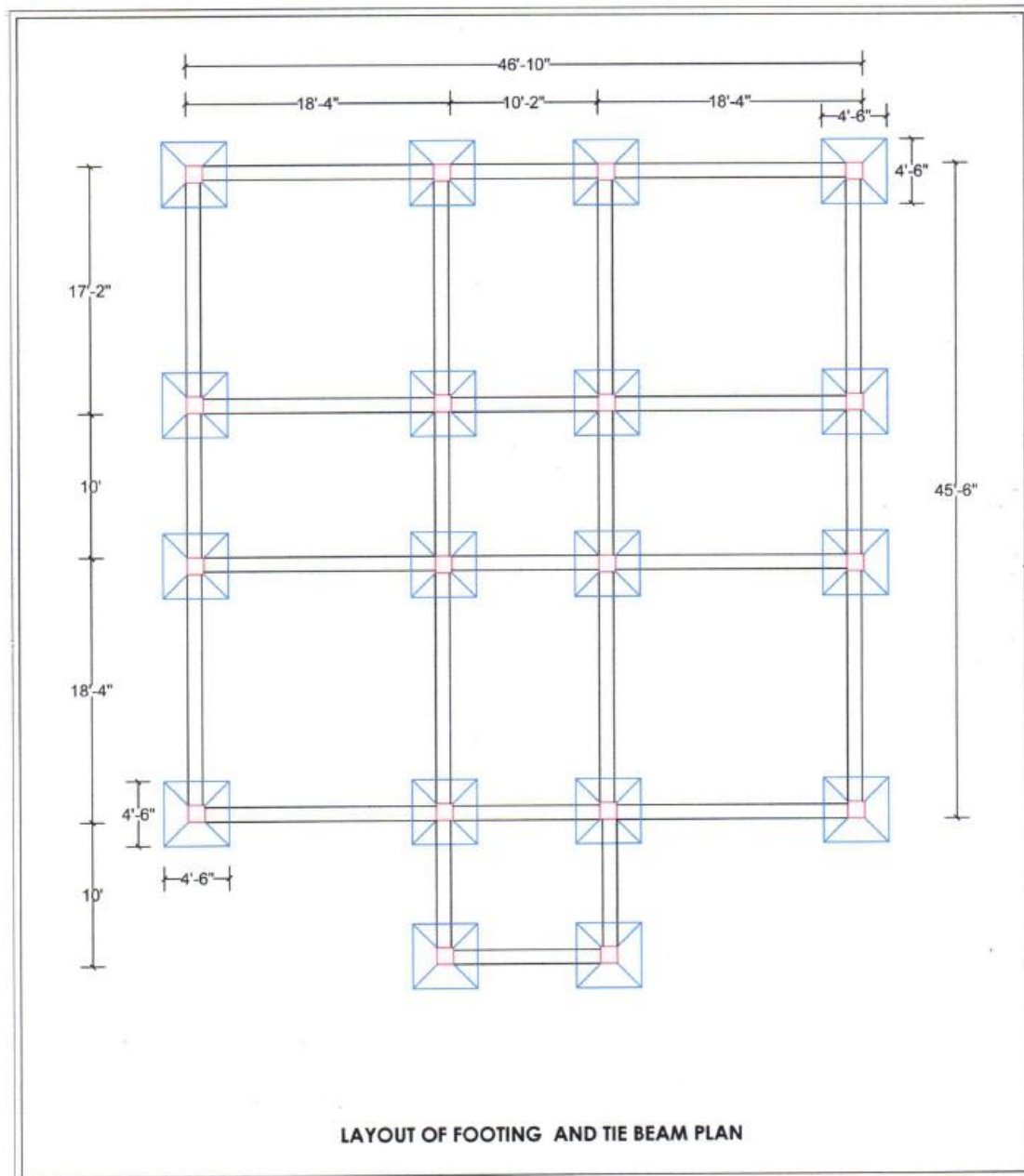
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Ukhrul Division, P.W.D. Manipur

Executive Engineer
Ukhrul Division
P.W.D. Manipur



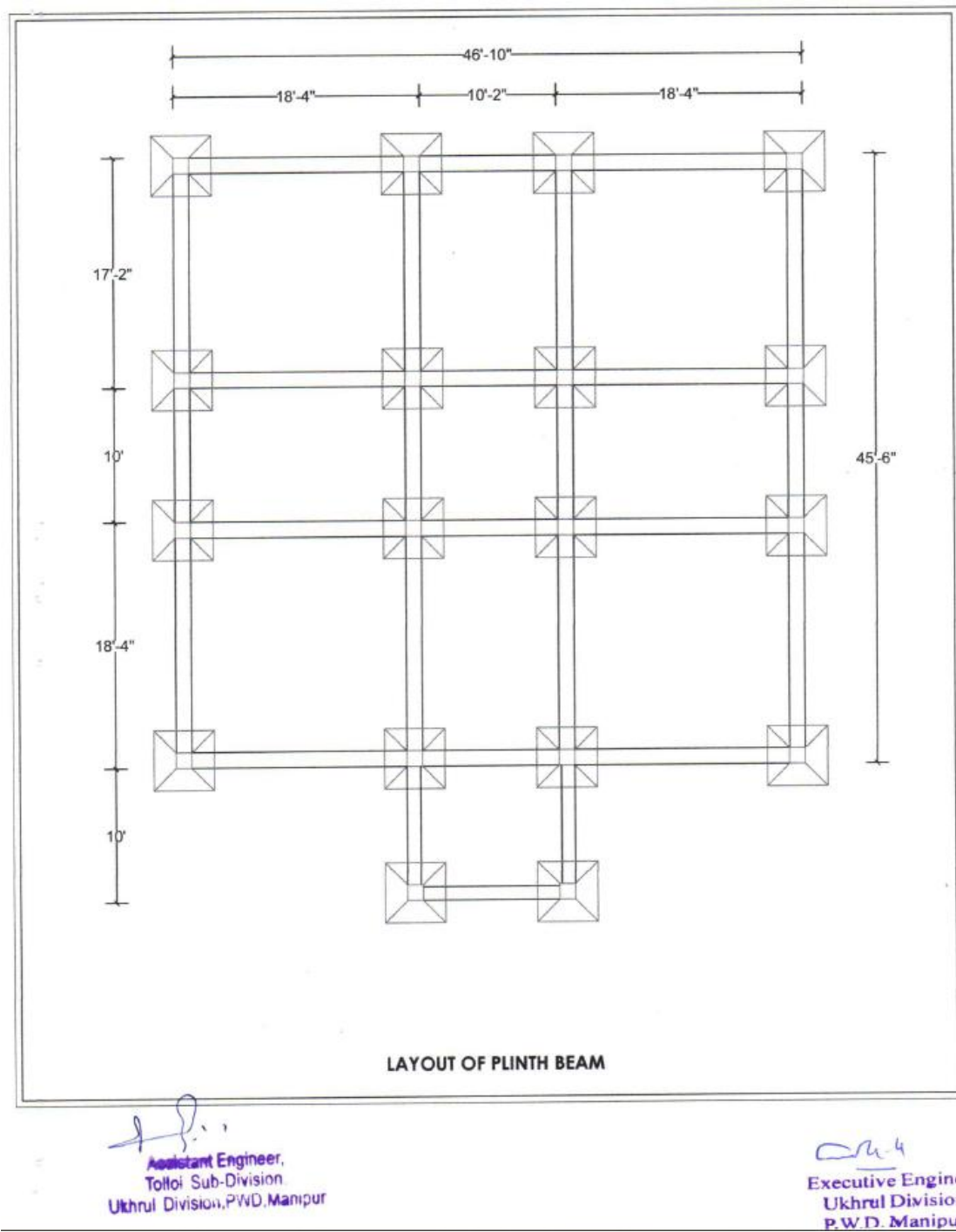
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Ukhrul Division, P.W.D. Manipur

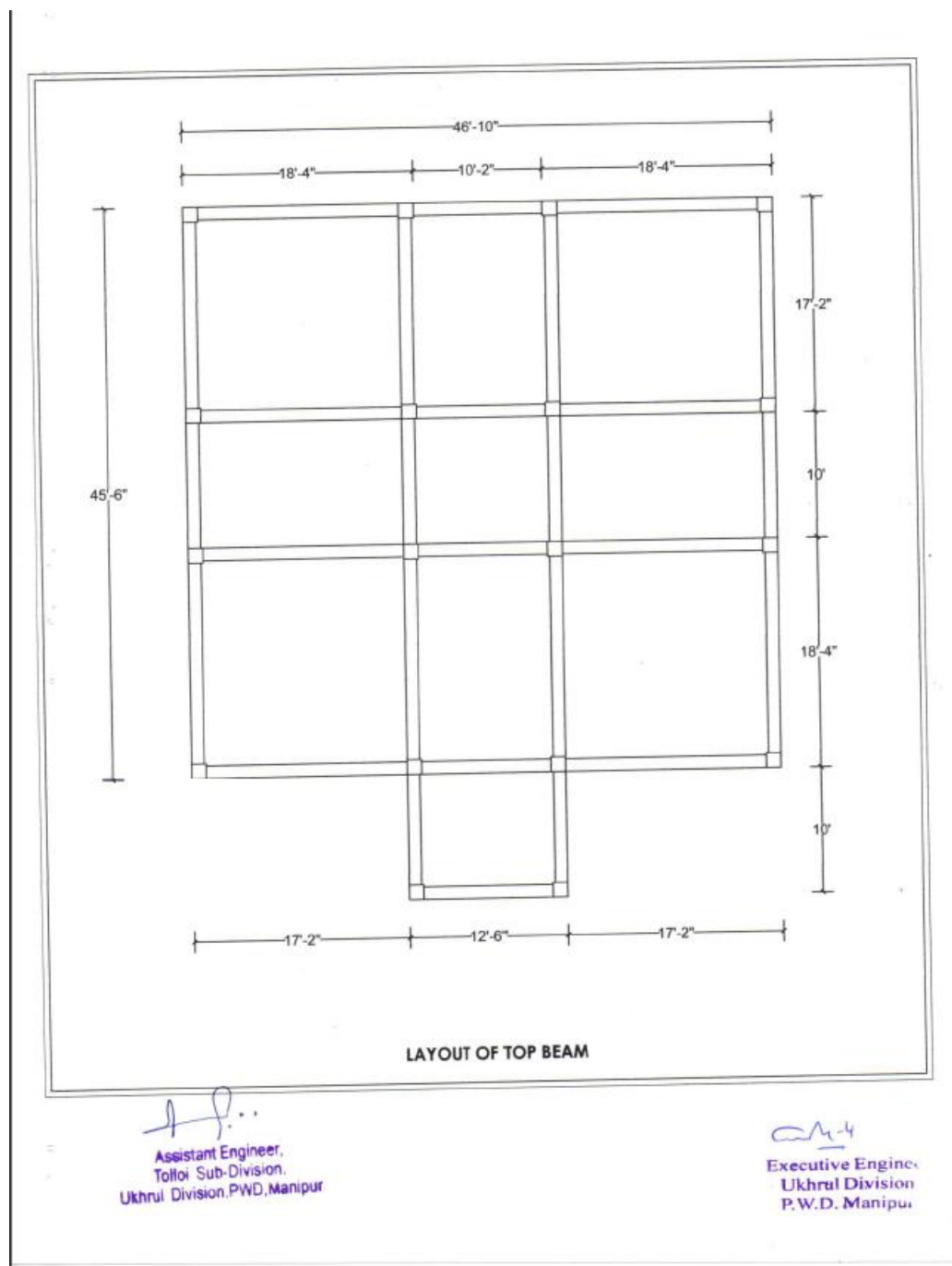
Executive Engineer
Ukhrul Division
P.W.D. Manipur

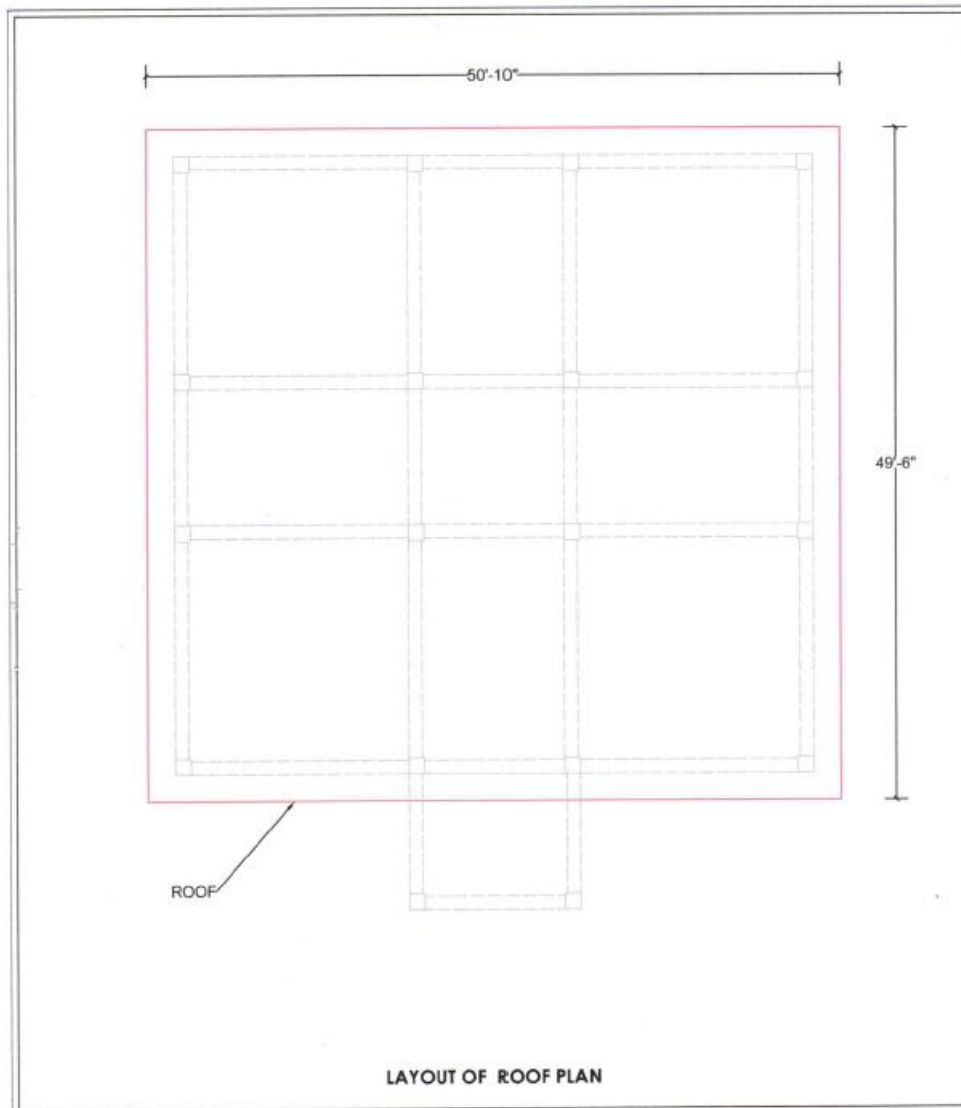


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 Assistant Engineer,
 Tolloi Sub-Division,
 Ukhrul Division, PWD, Manipur

[Signature]
 Executive Engineer,
 Ukhrul Division
 P.W.D. Manipur



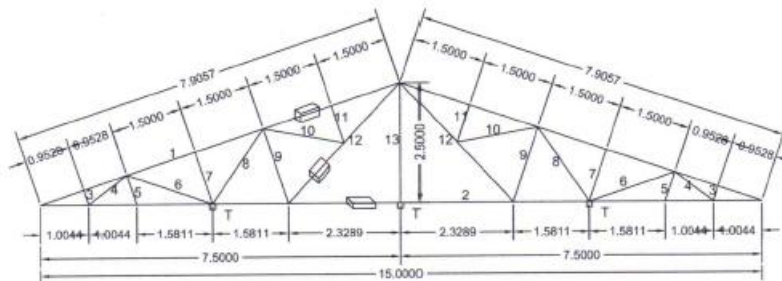




[Signature]
Assistant Engineer,
Toloi Sub-Division,
Ukhul Division, P.W.D. Manipur

[Signature]
Executive Engineer
Ukhul Division
P.W.D. Manipur

Span : 15m
Roof Slope : 1 in 3
Bay : 4.5



SUPPORT CONDITION : ONE PINNED OTHER ROLLER
T : TIE RUNNER

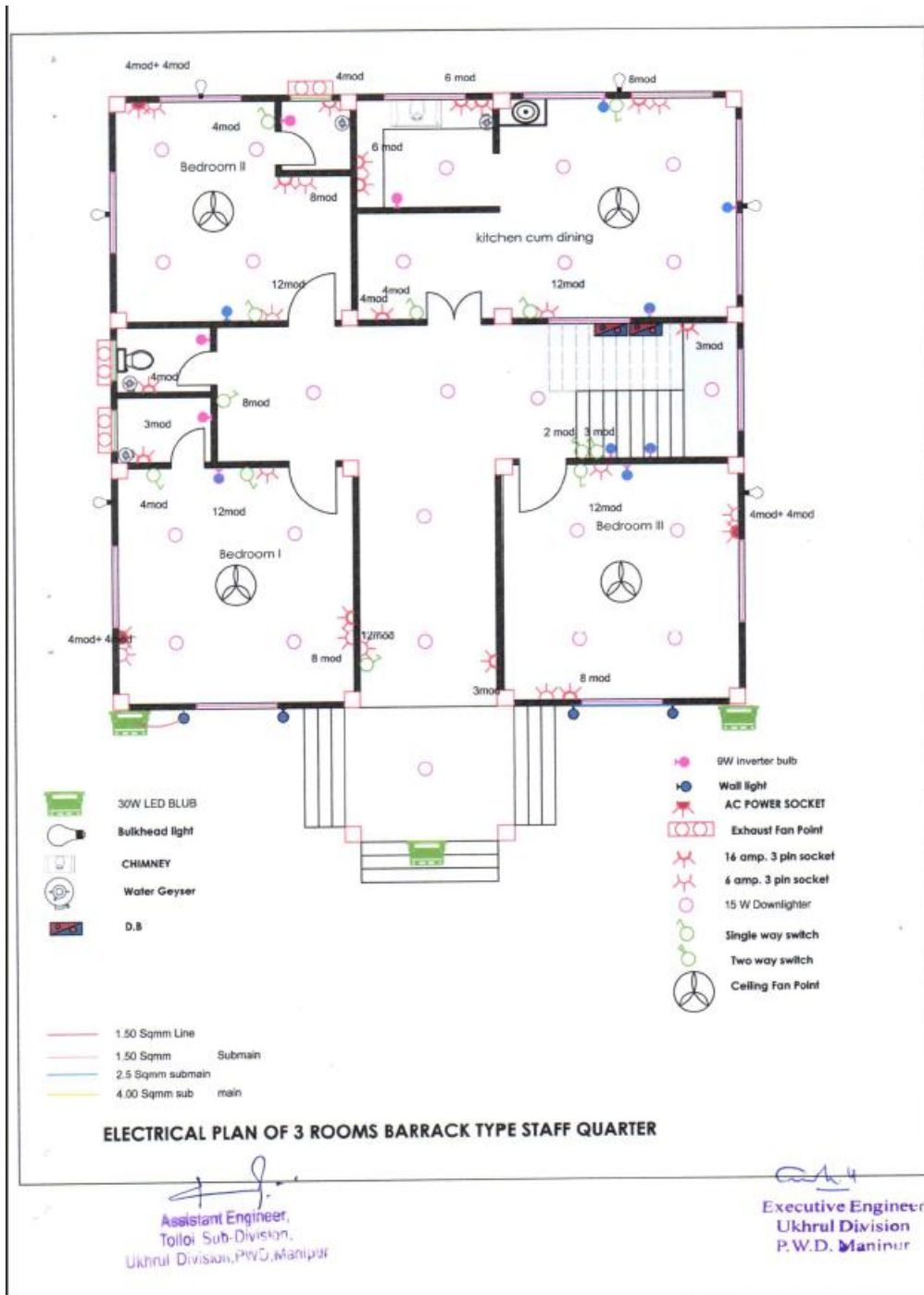
	SPEED 33		SPEED 35		SPEED 44		SPEED 47		SPEED 50		SPEED 55	
MEM NO	SECTION	TOTAL	SECTION	TOTAL	SECTION	TOTAL	SECTION	TOTAL	SECTION	TOTAL	SECTION	TOTAL
1	40X40X4	66.44	40X40X4	86.44	40X40X4	66.44	40X40X4	66.44	60X50X2.6	71.98	60X80X3.2	87.01
	60X33X3.6	73.95	60X40X3.2	82.50	60X48X3.2	100.05	60X48X3.2	100.05	90X48X4	123.30	122X81X3.6	145.05
2	25X25X2.6	1.07	25X25X2.6	1.07	25X25X2.6	1.07	25X25X2.6	1.07	25X25X2.6	1.07	25X25X2.6	1.07
3	25X25X2.6	3.38	25X25X2.6	3.38	25X25X2.6	3.38	25X25X2.6	3.38	25X25X2.6	3.38	25X25X2.6	3.38
4	25X25X2.6	2.16	25X25X2.6	2.16	25X25X2.6	2.16	25X25X2.6	2.16	25X25X2.6	2.16	25X25X2.6	2.16
5	25X25X2.6	6.37	25X25X2.6	6.37	25X25X2.6	6.37	25X25X2.6	6.37	25X25X2.6	6.37	25X25X2.6	6.37
6	25X25X2.6	3.84	25X25X2.6	3.84	25X25X2.6	3.84	25X25X2.6	3.84	25X25X2.6	3.84	25X25X2.6	3.84
7	25X25X2.6	6.35	25X25X2.6	6.35	32X32X2.6	8.50	32X32X2.6	8.50	32X32X2.6	8.50	32X32X2.6	8.50
8	25X25X2.6	5.54	25X25X2.6	5.54	25X25X2.6	5.54	25X25X2.6	5.54	25X25X2.6	5.54	32X32X2.6	7.41
9	25X25X2.6	5.78	25X25X2.6	5.78	25X25X2.6	5.78	25X25X2.6	5.78	25X25X2.6	5.78	32X32X2.6	7.73
10	25X25X2.6	2.77	25X25X2.6	2.77	25X25X2.6	2.77	25X25X2.6	2.77	25X25X2.6	2.77	25X25X2.6	2.77
11	50X25X2.6	18.54	60X33X2.6	25.24	60X33X2.6	25.24	60X33X2.6	25.24	60X33X2.6	27.84	60X33X3.6	32.72
12	25X25X2.6	4.23	25X25X2.6	4.23	25X25X2.6	4.23	25X25X2.6	4.23	25X25X2.6	4.23	25X25X2.6	4.23
13	TOTAL	280.43	TOTAL	215.68	TOTAL	235.87	TOTAL	235.87	TOTAL	266.78	TOTAL	313.24

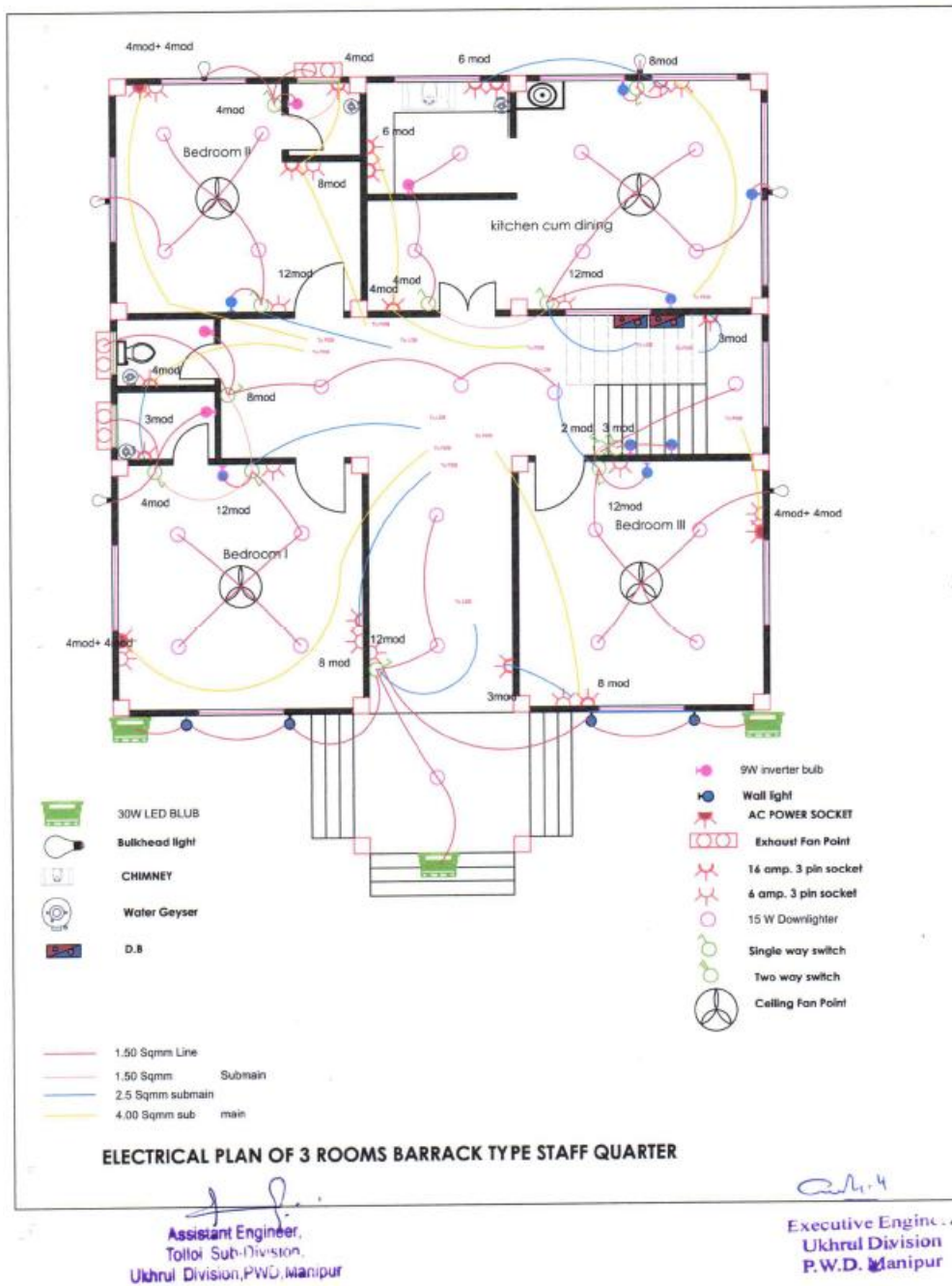
REACTION	FX	FY	FX	FY	FX	FY	FX	FY	FX	FY	FX	FY
DL		6093		6171		6275		6275		6434		6673
LL		14222		14222		14222		14222		14222		14222
WL0+PRE	1840	-19848	-2571	-27728	3272	-35290	3732	-48252	4225	-45571	5111	-55138
		-17403		-24311		-30942		-35282		-39956		-48344
WL0+PRE		-22040		-30789		-39186		-44695		-50602		-61225

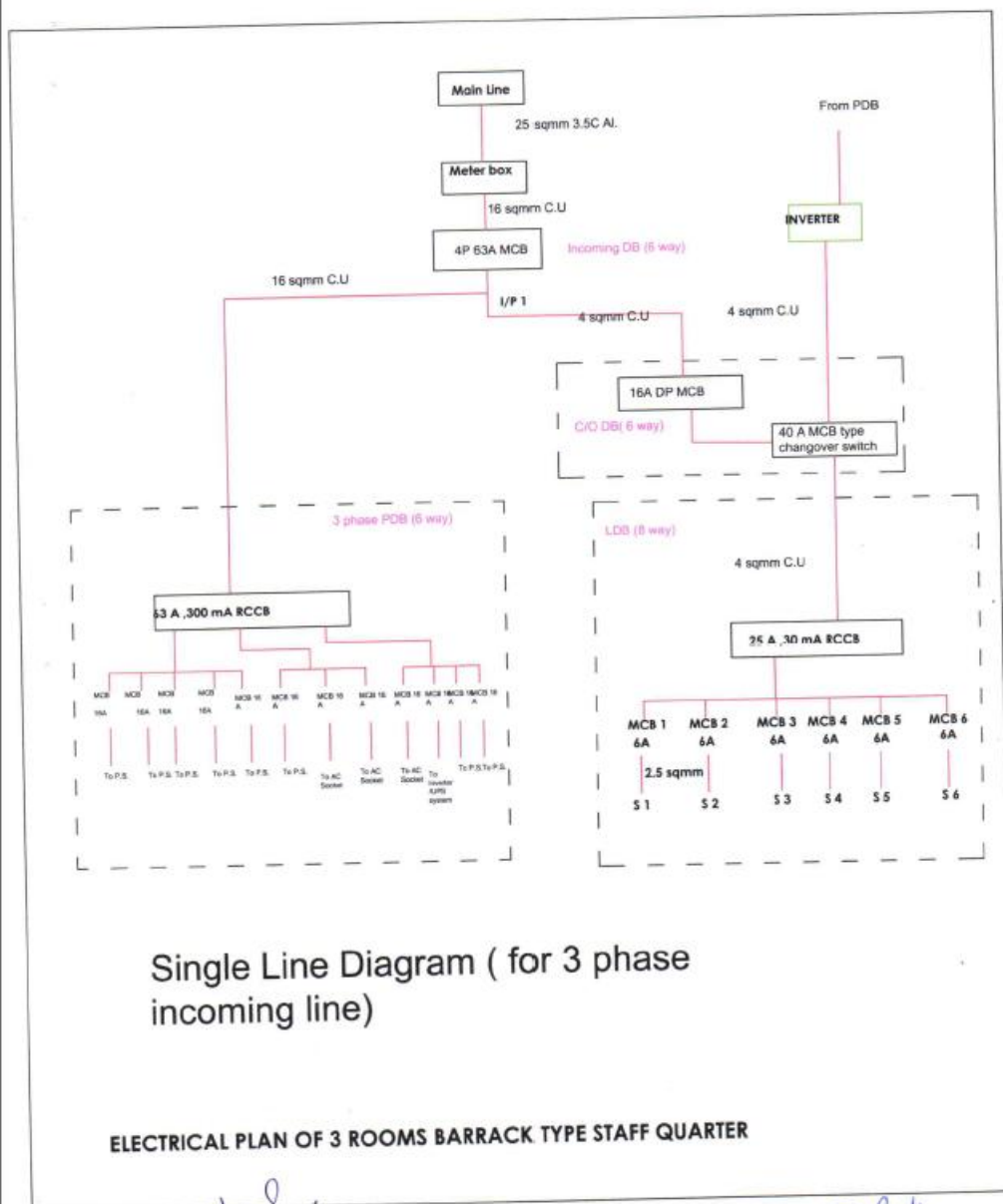
Assistant Engineer,
Toloi Sub-Division,
Ukhrul Division, PWD, Manipur

Executive Engineer
Ukhrul Division
P.W.D. Manipur

Internal Electrical Installation and Water supply & sanitary installation

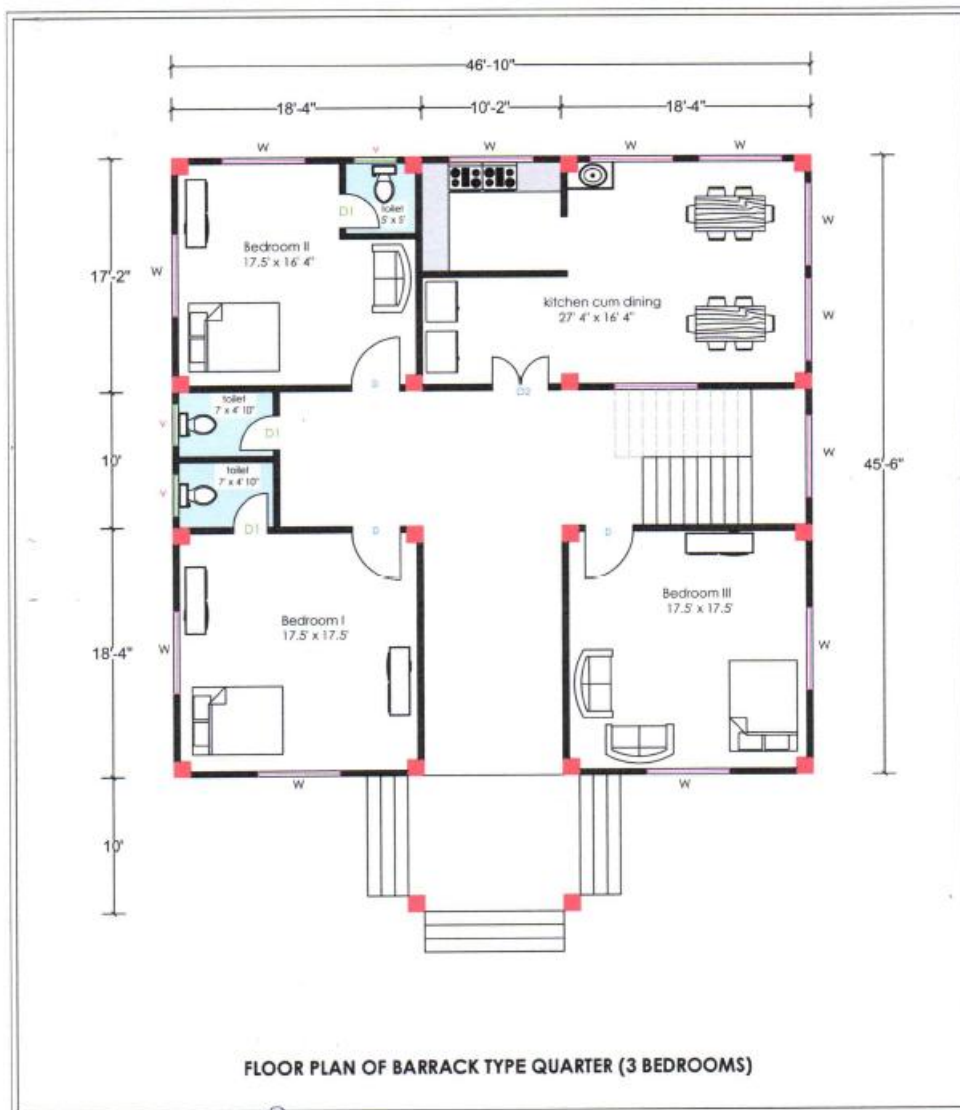






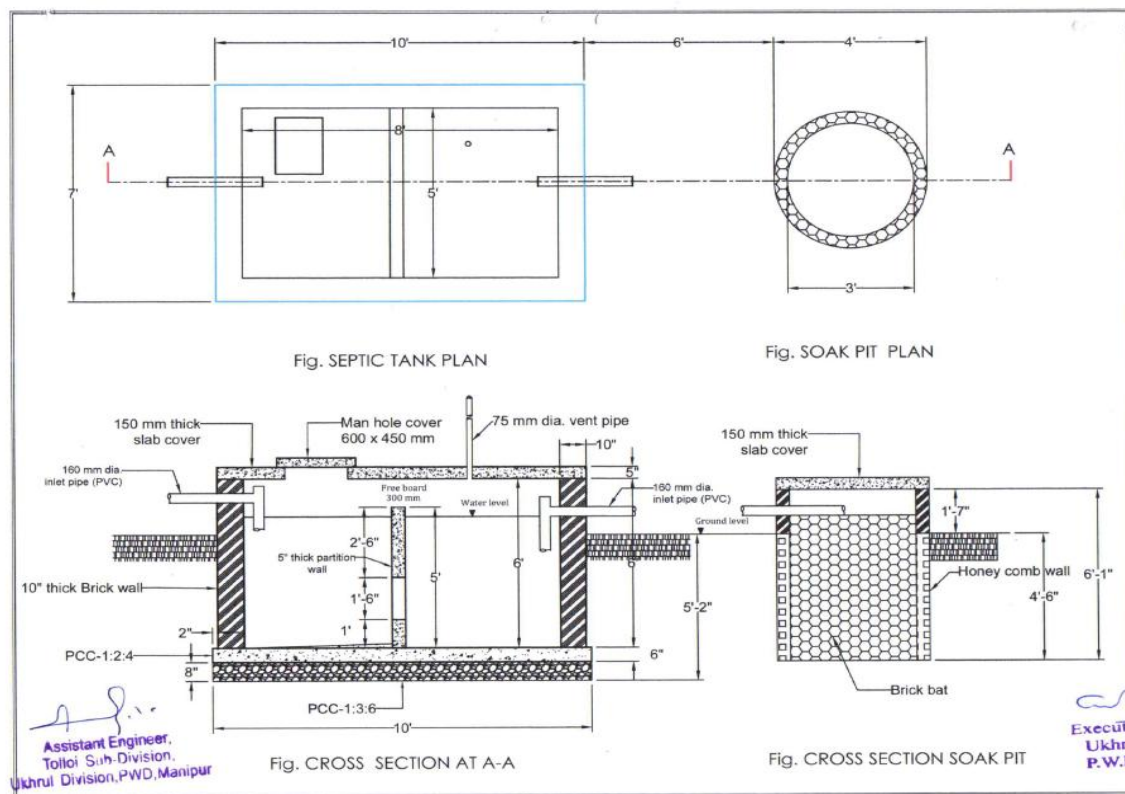
Assistant Engineer,
Toloi Sub-Division,
Ukhrul Division, P.W.D. Manipur

Executive Engineer
Ukhrul Division
P.W.D. Manipur



[Signature]
 Assistant Engineer,
 Tolloi Sub-Division
 Ukhrul Division, P.W.D., Manipur

[Signature]
 Executive Engineer
 Ukhrul Division
 P.W.D., Manipur



PART 3 – CONDITIONS OF CONTRACT (CC) AND CONTRACT FORMS

Section VIII. General Conditions (GC)

These Standard Bidding Documents have been designed for use with the Fédération Internationale des Ingénieurs-Conseils (FIDIC) General Conditions of the Short Form of Contract, 1st edition, 1999. Due to the FIDIC copyrights, these FIDIC General Conditions are not included in these Tender Documents which contain instructions on how these conditions can be acquired.

Community Forestry and Water Conservation Society, Manipur

Construction of 3 Rooms Barrack Types Staff Quarter with Toilet/ Kitchen facility

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The conditions of Contract are the “General Conditions” which form part of the Short Form of Contract first edition 1999 published by the Federation Internationale des Ingenieurs-Conseils (FIDIC) and the following “Particular Conditions” which are the Employer created amendments and additions to such General Conditions.

Copies of the FIDIC Short Form of Contract can be obtained from:

International Federation of Consulting Engineers

World Trade Centre II

P.O. Box 311

CH-1215 Geneva 15

Switzerland

Phone: +41 22 799 49 00

Fax: +41 22 799 49 01

email: fidic@fidic.org

www: <http://www.fidic.org>

Section IX. Particular Conditions

Note	It is intended that the Short Form of Contract will work satisfactorily without any Particular Conditions. However, if the requirement of the project makes it desirable to amend any Clause or to add provisions to the Contract, the amendments and additions should be set out on pages headed Particular Conditions. Care should be taken with the drafting of such Clauses especially in view of the high priority given to the Particular Conditions by Sub-Clause 1.3.
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8.2 – The taking over by the employer will be done after Proper Inspection, Testing and quality check of the work performed by the Contractor. Proper Inspection, Testing and quality check can be done by the employer through a designated person, authorised representative, or by a competent third party.

Appendix 1 to Particular Conditions of Contract

KfW Policy – Sanctionable Practice – Social and Environmental Responsibility

1) Sanctionable Practice

The PEA and the Contractors (including all members of a Joint Venture and proposed or engaged Subcontractors) must observe the highest standard of ethics during the Tender Process and performance of the Contract.

By signing the Declaration of Undertaking the Contractors declare that (i) they did not and will not engage in any Sanctionable Practice likely to influence the Tender Process and the corresponding Award of Contract to the PEA's detriment, and that (ii) in case of being awarded a Contract they will not engage in any Sanctionable Practice.

Moreover, KfW requires to include in the Contracts a provision pursuant to which Contractors must permit KfW and in case of financing by the European Union also to European institutions having competence under European law to inspect the respective accounts, records and documents relating to the Tender Process and the performance of the Contract, and to have them audited by auditors appointed by KfW.

KfW reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- (a) reject an Offer for Award of Contract if during the Tender Process the Bidder who is recommended for the Award of Contract has engaged in Sanctionable Practice, directly or by means of an agent in view of being awarded the Contract;
- (b) declare misprocurement and exercise its rights on the ground of the Funding Agreement with the PEA relating to suspension of disbursements, early repayment and termination if, at any time, the PEA, Contractors or their legal representatives or Subcontractors have engaged in Sanctionable Practice during the Tender Process or performance of the Contract without the PEA having taken appropriate action in due time satisfactory to KfW to remedy the situation, including by failing to inform KfW at the time they knew of such practices.

KfW defines, for the purposes of this provision, the terms set forth below as follows:

Coercive Practice	The impairing or harming, or threatening to impair or harm, directly or indirectly, any person or the property of the person with a view to influencing improperly the actions of a person.
Collusive Practice	An arrangement between two or more persons designed to achieve an improper purpose, including influencing improperly the actions of another person.

Corrupt Practice	The promising, offering, giving, making, insisting on, receiving, accepting or soliciting, directly or indirectly, of any illegal payment or undue advantage of any nature, to or by any person, with the intention of influencing the actions of any person or causing any person to refrain from any action.
Fraudulent Practice	Any action or omission, including misrepresentation that knowingly or recklessly misleads, or attempts to mislead, a person to obtain a financial benefit or to avoid an obligation.
Obstructive Practice	Means (i) deliberately destroying, falsifying, altering or concealing evidence material to the investigation or the making of false statements to investigators, in order to materially impede an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice, or threatening, harassing or intimidating any Person to prevent them from disclosing their knowledge of matters relevant to the investigation or from pursuing the investigation, or (ii) any act intended to materially impede the exercise of KfW's access to contractually required information in connection with an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice.
Sanctionable Practice	Any Coercive Practice, Collusive Practice, Corrupt Practice, Fraudulent Practice or Obstructive Practice (as such terms are defined herein) which is unlawful under the Financing Agreement.

2) **Social and Environmental Responsibility**

Projects financed in whole or partly in the framework of Financial Cooperation have to ensure compliance with international Environmental, Social, Health and Safety (ESHS) standards (including issues of sexual exploitation and abuse and gender based violence) Contractors in KfW-financed projects shall consequently undertake in the respective Contracts to:

- (a) comply with and ensure that all their Subcontractors and major suppliers, i.e. for major supply items comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the respective Contract and the fundamental conventions of the International Labour Organisation⁷ (ILO) and international environmental treaties and;
- (b) implement any environmental and social risks mitigation measures, as identified in the environmental and social impact assessment (ESIA) and

⁷In 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.

further detailed in the environmental and social management plan (ESMP) as far as these measures are relevant to the Contract and implement measures for the prevention of sexual exploitation and abuse and gender-based violence.

Section X. Contract Forms

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Performance Security 146

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Notification of Award

Letter of Acceptance

[Letterhead paper of the Employer]

[Date]

To: *[name and address of the Contractor]*

This is to notify you that your Bid dated *[date]* for execution of the *[name of the Contract and identification number, as given in the Contract Data]* for the Contract Price *[amount in numbers and words] [name of currency]*, as corrected and modified in accordance with the Instructions to Bidders, is hereby accepted by our institution.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section X, Contract Forms, of the Bidding Documents.

Authorized

Signature:

Name	and	Title	of	Signatory:
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Name	of	institution:
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Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made the _____ day of _____, _____, between _____ of _____ (hereinafter "the Employer"), of the one part, and _____ of _____ (hereinafter "the Contractor"), of the other part:

WHEREAS the Employer desires that the Works known as _____ should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein, in the sum of [*insert Contract Price or Ceiling in words and figures, expressed in the Contract currency(ies)*] (hereafter called "the Contract Price").

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - (i) The Letter of Acceptance;
 - (ii) The Letter of Bid and Appendix to Bid (including the signed Declaration of Undertaking);
 - (iii) The addenda Nos _____ (if any);
 - (iv) The Particular Conditions (if any);
 - (v) The General Conditions;
 - (vi) The Specifications;
 - (vii) The Drawings;
 - (viii) The completed Schedules; and
 - (ix) The Contractor's Bid and any other documents forming part of the contract.
 - (x) Payment terms
3. In consideration of the payments to be made by the Employer to the Contractor as specified in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

Signed by _____ (for the Employer)

Signed by _____ (for the
Contractor)

Bid Security

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of the bidder, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called “the Applicant”) has submitted or will submit to the Beneficiary its bid (hereinafter called “the Bid”) for the execution of *[Insert project, object of the contract/brief description of the works]* under Invitation for Bids No. *[Insert National Competitive Bidding number]* (“the NCB”).

We, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary, waiving all objections and defences, any sum or sums not exceeding in total an amount of *[Insert guarantee amount and currency in words and figures]* upon receipt by us of the Beneficiary’s first demand, supported by the Beneficiary’s statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) Has withdrawn its Bid during the period of bid validity set forth in the Applicant’s Bid Submission Form (the Bid Validity Period”); or
- (b) Having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period, (i) has failed to sign the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders (“ITB”) of the Beneficiary’s bidding document.

This guarantee shall expire not later than *[Insert expiry date]*⁸.

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

*[As preferred option regarding guarantee rules insert*⁹*: This guarantee is subject to the Uniform Rule for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.]*

Place, date

Guarantor’s authorized signature(s)

⁸ Pursuant to ITB Clause 19.3 the guarantee must be valid for at least 42 days beyond the bid validity.

⁹ In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank’s branch issuing the guarantee is physically located.

Advance Payment Security

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

ADVANCE PAYMENT GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of contractor, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called “the Applicant”) has entered into Contract No. *[Insert reference number of the contract]* dated *[Insert contract date]* with the Beneficiary, for the execution of *[Insert object of the contract and brief description of Works]* (hereinafter called “the Contract”). Furthermore we understand that, according to the conditions of the Contract, an advance payment in the sum of *[Insert amount and currency in words and figures]*¹⁰, representing *[Insert percentage in words and figures]* % of the contract price, is to be made against an advance payment guarantee.

Waiving all objections and defences, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary, any sum or sums not exceeding in total an amount of *[Insert guarantee amount and currency in words and figures]* upon receipt by us of the Beneficiary’s first demand, supported by the Beneficiary’s statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for the demand or the sum specified therein.

The advance payment guarantee shall come into force and effect as soon as the advance payment has been credited to the Applicant on its account. Minor deductions of the above mentioned amount notably due to bank fees shall have no effect on the entry into force.

[For guarantees issued in foreign currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to KfW, Frankfurt am Main (BIC: KFWIDEFF, BLZ 500 204 00), account no. 38 000 000 00 (IBAN: DE53 5002 0400 3800 0000 00), for the account of *[Insert name of the Purchaser and the Purchaser’s country]*.

[For guarantees issued in local currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to *[Insert the account on which payments are to be made]*, for the account of *[Insert name of the Purchaser and the Purchaser’s country]*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) per cent of the Accepted Contract Amount, less provisional sums, has been certified

¹⁰This guarantee must be issued in the contract currency only.

for payment, or on the *[Insert date]*, whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date, by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

[As preferred option regarding guarantee rules insert¹¹: This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.]

¹¹In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank's branch issuing the guarantee is physically located.

Performance Security

Beneficiary: *[Insert name and Address of Purchaser]*
Date: *[Insert date of issue]*
PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*
Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of contractor, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[Insert reference number of the contract]* dated *[Insert contract date]* with the Beneficiary, for the execution of *[Insert object of the contract and brief description of Works]* (hereinafter called "the Contract"). Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required for *[Insert percentage in words and figures]* % of the contract price.

Waiving all objections and defences, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary, any sum or sums not exceeding in total an amount of *[Insert guarantee amount and currency in words and figures]*¹² upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for the demand or the sum specified therein.

[For guarantees issued in foreign currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to KfW, Frankfurt am Main (BIC: KFWIDEFF, BLZ 500 204 00), account no. 38 000 000 00 (IBAN: DE53 5002 0400 3800 0000 00), for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

[For guarantees issued in local currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to *[Insert the account on which payments are to be made]*, for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

This guarantee shall expire not later than *[Insert expiry date]*¹³.

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

[As preferred option regarding guarantee rules insert¹⁴: This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.]

Place, date

Guarantor's authorized signature(s)

¹²This guarantee shall be issued in the contract currency only.

¹³The guarantee shall be valid for at least 28 days from the date of contractual contract completion (including warranty obligations).

¹⁴In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank's branch issuing the guarantee is physically located.

Retention Money Security

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

RETENTION MONEY GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of contractor, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called “the Applicant”) has entered into Contract No. *[Insert reference number of the contract]* dated *[Insert contract date]* with the Beneficiary, for the execution of *[Insert object of the contract and brief description of Works]* (hereinafter called “the Contract”).

Furthermore we understand that, according to the conditions of the Contract, the Beneficiary retains moneys up to the limit set forth in the Contract (“the Retention Money”), and that when the Taking-Over Certificate has been issued under the Contract and the first half of the Retention Money has been certified for payment, payment of *[insert the second half of the Retention Money or if the amount guaranteed under the Performance Guarantee when the Taking-Over Certificate is issued is less than half of the Retention Money, the difference between half of the Retention Money and the amount guaranteed under the Performance Security]* is to be made against a Retention Money guarantee.

Waiving all objections and defences, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert guarantee amount and currency in words and figures]*¹⁵ upon receipt by us of the Beneficiary’s first demand supported by the Beneficiary’s statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or show grounds for the demand or the sum specified therein.

The retention money guarantee shall come into force and effect as soon as the second half of the Retention Money has been credited to the Applicant on its account. Minor deductions of the above mentioned amount notably due to bank fees shall have no effect on the entry into force.

[For guarantees issued in foreign currency insert the following:

In the event of any claim under this guarantee, payment shall be effected to KfW, Frankfurt am Main (BIC: KFWIDEFF, BLZ 500 204 00), account no. 38 000 000 00 (IBAN: DE53 5002 0400 3800 0000 00), for the account of *[Insert name of the Purchaser and the Purchaser’s country]*.

[For guarantees issued in local currency insert the following:

¹⁵The Guarantor shall insert an amount representing the amount of the second half of the Retention money or if the amount guaranteed under Performance Guarantee when the Taking-Over Certificate is issued, is less than half of the Retention Money, the difference between half of the Retention Money and the amount guaranteed under the Performance Security and denominated in the contract currency(ies) only.

In the event of any claim under this guarantee, payment shall be effected to *[Insert the account on which payments are to be made]*, for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

This guarantee shall expire not later than *[Insert expiry date]*¹⁶.

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

[As preferred option regarding guarantee rules insert¹⁷: This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.]

Place, date

Guarantor's authorized signature(s)

¹⁶Insert the same expiry date as set forth in the performance security, representing the date twenty-eight days after the completion date described in the Appendix to Bid. The Employer should note that in the event of an extension of this date for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to an one-time extension of this guarantee for a period not to exceed [six months] [one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

¹⁷In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank's branch issuing the guarantee is physically located.

Schedule of Payment terms –

- 3) 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	10%
3	Block work and Joinery till ground floor lintel	5%
4	Ground floor Roof casting	15%
5	Electrical finishing	5%
6	Plumbing finishing	5%
7	Carpentry	10%
8	Tilling	5%
9	Overall Finish	15%

- 4) 25% of the subtotal amount of the works upon issue of completion certificate