

	The Energy and Resources Institute	ISSUE NO.	20	DATED	12-09-2024
	Tender	REVISION NO.	00	DATED	00-00-0000
		DOC. NO.	F/Mat/20		

**Tender for Integrated rural development of communities for Social development
in and around Mandideep in Madhya Pradesh.**

TERI/MAT/2024–25/20

Tender Date: 12-09-2024

Last Date for Submission of Bids: 27-09-2024

The Energy and Resources Institute (TERI)

6-C, Darbari Seth Block

IHC Complex, Lodhi Road

New Delhi – 110003, India

Tel: 011 – 24682100, 41504900

Fax: 011 – 24682144

Mandatory to read all the terms and conditions before signing the tender



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Tender Notice

The Energy and Resources Institute (TERI)
6-C, Darbari Seth Block, India Habitat Centre,
Lodhi Road, New Delhi – 110003, Delhi, India

Part 1: General Information

TERI invites Bids from Prospective Bidder through tendering for setting of **WASH infrastructure in schools and community along with rejuvenation of pond** in Jharkhand, as per the details given in tender document.

Table 1: Particulars of Items

S No.	Item	Tender No.	Quantity Required	Fee of Tender Document	Earnest Money Deposit or MSME Certificate
1	Integrated rural development of communities for Social development in and around Mandideep in Madhya Pradesh	<u>TERI/MAT/2024–25/20</u>	As Mentioned,	5,000.00	9,00,000.00

****Bidder has to submit single EMD in the form of demand draft**

The tender document is available on TERI's, website: <http://www.teriin.org/Announcements/> from **12th September, 2024**. Interested bidders may view/download the Bid document, seek clarification, and submit their Bid up to the date and time mentioned in the table 2.



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Table 2: Schedule of activities

SI No.	Milestone	Date and Time (dd-mm-yyyy; hh:mm)
1	Release of tender	12.09.2024
2	Last date for submission of written questions by bidders	20.09.2024 16:00 Hrs
3	Response to the queries by TERI	23.09.2024; 16:00 Hrs
4	Last date for submission of technical bid and financial bid response	27.09.2024; 16:00 hrs
5	Opening of technical bid	30.09.2024; 11:00 hrs
6	Shortlisted firms on the basis of technical evaluation	30.09.2024; 15:00hrs
7	Financial bid opening of only of technically qualified bidders	01.10.2024; 11:00 Hrs
8	Finalization of Bidder	Intimation to be given only to finalized Bidder(s)
9	Venue of opening of technical and financial details	The Energy and Resources Institute, 6C, Darbari Seth Block, India Habitat Centre, Lodhi Road, New Delhi – 110 003
10	Project Timeframe	06 months

The bidders need to submit the cost of the bid document and the EMD as stated above in the table through Demand Draft as bid document fees and as EMD in favour of The Energy and Resources Institute (TERI), payable at Delhi. MSME's are exempted from payment of earnest money deposit but they have submitted the Original Notarized copy of MSME registration. MSME bidders shall be manufacturers of indented items to claim MSE Benefits. Bidder must provide the details like- Name of MSME Registering Body (NSIC/ DIC/ KVIC/KVIB etc. MSME Registration no. (with copy of registration). TERI reserves the right to reject any or all tenders without assigning any reason thereof. The decision of TERI will be final and binding **on all matters with respect to this tender**.

(Head-Materials)
TERI

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Checklist of Annexures

(The following information/documents are to be annexed and flagged by the Bidders along with the bid)

Table 3:: Description of annexures

S. No.	Annexure No.	Particulars	Yes/No Flag No.
1	Annexure I (a)	Details of Tender document fees (Demand Draft no., date, amount, and bank name)	
2	Annexure I (b)	Details of Earnest money (Demand Draft no., Date, Amount, and bank name)	
3	Annexure I (c)	General Particulars of the bidder as per tender document	
4	Annexure I(d)	Declaration by the bidder as per tender document	
5	Annexure II	A copy of valid GST registration certificate and PAN	
6	Annexure III	Overall Average Annual Turnover of the Company/Firm/Corporation-- in the latest last three financial years (A summarized sheet of turnover of last three Financial Years certified by a registered CA) along with the latest balance sheet	
7	Annexure IV	A summarized sheet of cumulative experience, of past five years in successfully construction of civil project along-with Work Order (WO) /and completion certificates from Central / State Government Agencies / PSU/ Private Firms*	
8	Annexure V	(i) An undertaking that the service center/ office is operational. The details of service center / office should be submitted with technical bid. (ii) An undertaking by the bidder, that no child labour will be used.	
9	Annexure VI	Duly filled and signed technical bid and technical specifications	

Please flag the annexure and write flag number in the box.

*Bidder's experience should be in supply, construction /commissioning (contracts executed, completed, and handed over) in civil construction sector

Note:

- Bids received without supporting documents for the various requirements mentioned in the tender document may be rejected.
- The tender document should be in proper spiral binding and all annexures, and their flags should be in proper order.

(Signature of Bidder with seal)



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Table 4: Particulars of Tender

1	Tender No.	<u>TERI/MAT/2024-25/20</u>
2	Particulars of Work	Integrated rural development of communities for Social development in and around Mandideep in Madhya Pradesh Details in Annexure A
3	Last date and time of submission of tender documents	27.09.2024; 16:00 hrs
4	Period of validity of rates for acceptance	06 months from opening of financial bid
5	Date and time of opening of tender (Technical bid)	30.09.2024; IST 11:00Hrs
6	Date and time of opening of tender (Financial bid)	01.10.2024; IST 11:00Hrs
7	Venue for opening of financial bids/ Pre-bid meeting	The Energy and Resources Institute (TERI), 6-C, Darbari Seth Block, India Habitat Centre, Lodhi Road, New Delhi – 110003, Delhi, India

1. Bidders are advised to study the tender Document carefully. Submission of bid against this tender shall be deemed to have been done after careful study and examination of the procedures, terms, and conditions of the tender document with full understanding of its implications.
2. The Bids will be opened in the presence of bidder's representatives, who choose to attend the bid-opening, at the venue; date and time as mentioned in the above Table.

(Signature of Bidder with Seal)

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Part 2: Instruction to bidders

Section 1: Contents of the Tender document

1.1 CONTENT OF TENDER DOCUMENT

1.1.1 The tender procedure and contract terms are prescribed in the tender documents. In addition to the tender Notice, the Bidding documents include.

A. Technical Bid

i. Tender Notice

- Tender Notice
- Covering Letter
- Checklist of Annexures
- Particulars of Tender
- General Particulars of Bidder
- Declaration by Bidder

ii. Instruction to Bidders

- Section-1: Contents of tender document
- Section-2: Eligibility condition
- Section-3: Preparation of tender
- Section-4: Submission of tender
- Section -5: Tender opening and evaluation
- Section-6: Procedure for finalization of Bid

iii. General Condition of Contract

iv. Technical details


- Scope of Work
- Drawing and Specifications

B. Financial Bid

- To be submitted as per the format

C. Formats & Annexures

The Bidder is expected to examine all instructions, forms, terms, and specifications as mentioned in the tender document. Failure to furnish all information required by the tender documents or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Bidder's risk and is likely to result in out-right rejection of the bid.

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1.2 LOCAL CONDITIONS

It shall be imperative for each bidder to fully understand the local conditions and factors, which may have any effect on the execution of the works covered under these documents and specifications. TERI shall not entertain any request for clarifications from the Bidder, regarding such local conditions.

1.2.1.1 Bidders eligible for bidding: Bidding is open to bidders having office(s) in Employer's (TERI) country.

1.2.2 Cost of bidding: The Bidder shall bear all costs associated with the preparation and submission of its bid including site visit, and the Employer will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

1.2.3 Language of the Bid: The bid prepared by the Bidder and all correspondence and documents related to the bid exchanged between the Bidder shall be written in English language.

1.3 Clarification:

A prospective Bidder requiring any clarification of the Tender Documents may contact TERI in writing or via email only at TERI's mailing address indicated in the invitation for tender.

Enquiries/clarifications may be sought by the Bidder as per the following:

Technical queries: Ms. Rashmi Murali, Fellow & AC, Social Transformation & CSR division, TERI

E-mail: rashmi.murali@teri.res.in

Tender related queries: Mr. Manoj Kumar Tiwari, Head - Materials, TERI

E-mail: manoj.tiwari @ teri.res.in


1.4 AMENDMENT OF TENDER DOCUMENTS

At any time prior to the submission of the tender the TERI may for any reason, whether at its own initiative or in response to a clarification requested by the Bidder, modify the tender documents by amendments. Such document shall be made available on websites, time to time.

All are requested to remain updated with the website. No separate reply/intimation will be given elsewhere.


1.5 DISCLAIMER

- I. This Document includes statements, which reflect various assumptions, which may or may not be correct. Each Bidder should conduct its own estimation and analysis and should check the accuracy, reliability, and completeness of the information in this Document and obtain independent advice from appropriate sources in their own interest.
- II. Other person under the law or contract, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage whatsoever which may arise from or be incurred or suffered in connection with anything contained in this Document, any matter deemed to form part of this Document, provision of Services and any other information supplied by or on behalf of Employer or its employees, or otherwise arising in any way from the selection process for the Supply.

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- III. Though adequate care has been taken while issuing the Bid document, the Bidder should satisfy itself that Documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately.
- IV. This Document and the information contained herein are Strictly Confidential and are for the use of only the person(s) to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors).

(Signature of Bidder with seal)

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Section 2: Eligibility Conditions

Eligibility Conditions for Bidders

All completed tenders received will be evaluated by a panel comprising of experts from “The Energy Resources Institute (TERI)”, though they may seek information from respective bidders wherever they consider that necessary.

1. Minimum Eligibility Conditions:

- i. The bidder should be a registered/incorporated construction company.
- ii. Bidders should not be under a declaration of ineligibility for corrupt and fraudulent practice. In this regard an undertaking (self-certificates) has to be provided that the bidder has not been blacklisted/debarred by any central/state government or any other institution
- iii. The bidder should have minimum ten years of experience in executing contract of construction of WASH infrastructure (Toilet, drinking water etc.)/Buildings/ponds etc. (viz. supplied/commissioned/running) across the India/globe. Purchase Order/ Completion Certificate of past five years should be enclosed.
- iv. The Bidder should have valid GST and PAN registration certificate. A copy of which should be enclosed.
- v. Overall Average Annual Turnover of the Company/Firm/ Corporation in the last three financial years (FY 2021-22, 2022-23 & 2023-24) should be at least INR 3 Crore (Three crore). This must be the individual Company /Firm/ Corporation turnover and not that of any group of Company/Firm/ Corporation. A summarized sheet of average cumulative turnover certified by registered CA should be compulsorily enclosed along with corresponding balance sheets.
- vi. The Bidder must submit the certificate issued by the Employer/ Client certifying the operation without any adverse remark along-with copy of purchase order prior to the date of bid submission, shall be provided.
- vii. Consortium/ Joint Venture of the firms as partners is not allowed.

Note: After award of contract, no deviation is acceptable in performance. In case any bidder is found unsatisfactory during the execution process, the award will be cancelled. In such an event, TERI/ reserves the right to terminate the contract, impose strict action against the bidder(s), which inter-alia extends to other provisions of tender.

2. Evaluation Criterion

The ‘Financial bids’ of only those bidders shall be opened, who qualify in ‘Minimum Eligibility Conditions’ as above and score at least 70% (Seventy percent) Points in ‘technical evaluation’. The ‘Points’ for the ‘technical evaluation’ shall be assigned as under:



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Table 5: Detailed technical evaluation criteria and scheme of evaluation

Sr. No.	Criteria for Single Bidder	Point/ Marks
1	CPWD/ PWD/ PHED/ZP registered companies/firms	10
2	Cumulative Experience* of the Bidder in executing contracts of toilets/buildings/ponds work /Integrated rural development project in association with Government agencies/multilateral /bilateral agency/CSR projects of PSUs, Corporates Minimum three years More than three years	5 10
3	Value of a ' Single Order ' * of toilets/ buildings /ponds executed by the Bidder : <ul style="list-style-type: none"> Valued up to Rs 3 crore Valued more than Rs 3 crore 	5 10
4	The bidder to certify that they have technical capability, minimum workers strength (e.g. masons, labours and technical staffs). Detailed plan for BOQ as per Scope of Work is required to be provided.(Pls. refer attached drawing)	20
5	The bidder has strong local experience in Madhya Pradesh or within 300 Km distances from project site in Madhya Pradesh and multiple States in India capable of providing 24x7 services for timely completion.	10

Note: In case of same score obtained, highest technical score obtained will be given preference.

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Section 3: Preparation of tender

3.1 LANGUAGE OF BID AND MEASURE

- 3.1.1 All the tender related documents exchanged between Bidder and TERI shall be written in English language provided that any printed literature furnished by the Bidder may be written in another language as long as accompanied by an English translation of its pertinent passages in which case, for purpose of interpretation units of measurement shall be MKS system.

3.2 DOCUMENTS COMPRISING THE BID

- 3.2.1 The tender prepared by the Bidder shall comprise the following components:


- a) A covering letter as provided in tender document as Format – 1.
- b) General particulars of bidder, as provided in tender document as Format - 2.
- c) Declaration by the Bidder, as provided in tender document as Format - 3.
- d) Price Fall Clause to be provided by the Bidder, as provided in tender document as Format-4
- e) Details of EMD to be furnished by the bidder, as per tender document no Format-5.
- f) For submission of Performance Bank Guarantee, format no 6 to be used.
- g) Power of Attorney to be provided by the bidder, as per Format no 7.
- h) Experience letter as per format no 8.
- i) Details of CA audited balanced sheet to be provided by the bidder in Format 9.
- j) Documentary evidence establishing that the bidder is eligible to Tender and is qualified to perform the contract if its tender is accepted. Check list of Annexures as provided in tender document.
- k) Tender document signed on each page, as a confirmation by the Bidder to accept all technical specifications/ commercial conditions along with all necessary enclosures/ annexures.
- l) Duly filled technical bid format.
- m) Declaration by the Bidder that no child labour has been employed and work has been carried out keeping in mind the health Hazards.
- n) All COVID 19 guidelines of State and Central Government must be followed.

3.3 PRICE BID

- 3.3.1 The bidder shall indicate prices on the appropriate financial bid schedule (in INR).

3.3.2 DUTIES AND TAXES

The price quoted should include all taxes and duties, GST, surcharge on income tax, etc., if any. A Bidder shall be entirely responsible for all taxes, duties, license fees, etc. All taxes payable as per Government income tax & GST norms will be payable by the Bidder. TDS will be deducted from the payment of the Bidder as per the prevalent laws and rules of Government of India and Government of Jharkhand in this regard. All compliances (State/Central/Local - GST /ESI/PF/Labour laws etc. is to be met by the Bidder/ Contractor) and the same is to be produced by the Bidder / Contractor at the time of payment. The project cost/ Bid Price shall be inclusive of all duties and taxes, insurance etc. The prices quoted by the firm shall be complete in all respect and no price variation/adjustment shall be payable once price bid is accepted by TERI.

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3.3.2.1 Variation in taxes, duties & levies:

- I. PURCHASE ORDER value shall not be subject to any variation on account of variation in Exchange rate(s)
- II. Any variation and introduction of any new taxes, duties, and statutory levies will only be accepted by TERI. ESI/PF has to be borne by the contractor.

3.3.2.2 Taxes& Duties on raw materials & bought out components:

Taxes & Duties on raw materials & bought out components are included in Order Value and are not subject to any escalation or variation for any reason whatsoever.

3.4 BID CURRENCIES

Prices shall be quoted in Indian Rupees (INR) only

3.5 PERFORMANCEBANK GUARANTEE (PBG):

The successful Bidders, who execute the agreement with TERI for the work, shall have to furnish a security amount equivalent to 5% of contract price in the form of Performance Bank Guarantee (PBG – as per format no 4) valid for a period of 12months from the date of execution of agreement. The bank guarantee may be issued by a nationalized bank and shall be in favor of 'TERI'. The aforesaid Bank Guarantee shall be furnished within two weeks from signing of the Purchase order along with contract (terms and conditions), if not furnished then EMD amount will be forfeited and purchase order remains cancelled.


3.6 PERIOD OF VALIDITY OF TENDER

- 3.6.1 Validity of the price offered should be 4 (four) months from the date of opening of the financial bid of the tenders. Without this validity the tenders will be rejected.
- 3.6.2 In exceptional circumstances; TERI will solicit the Bidder's consent to an extension of the period of validity. The request and the response thereof shall be made in writing. The contract performance security provided under clause 3.5 above shall also be suitably extended.

3.7 BID SECURITY (Earnest Money)

- 3.7.1 The bidder shall furnish, as part of its bid, bid security of INR 9,00,000/-in the form of demand draft issued by a nationalized bank or share the MSME Certificate. The details of the same to be furnished by the bidder as per format no.5.
- 3.7.2 Any bid not secured with the tender fee and earnest money will be rejected by TERI as non-responsive.
- 3.7.3 No Interest shall be payable on the amount of Earnest Money Deposit (EMD) to the Bidders and the EMD will be released after the finalization of tender
- 3.7.4 The tender security (earnest money) may be forfeited:

- a) If a bidder withdraws its tender during the period of validity of price bid specified by the Bidder in the tender.

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b) If the successful Bidder fails to sign the contract within stipulated period and submit the performance security within the specified period of 15 days from the date of finalization of order.

3.7.5 EMD of successful bidder shall only be released after signing of agreement and submission of 5% (Five percent) of contract price as performance bank guarantee.

3.8 Format and Signing of Tender

3.8.1 The bid must contain the name and places of business of the persons making the tender and must be signed and sealed by the Bidder with the usual signature of the authorized signatory. The name and designations of all persons signing should be typed or printed below the signature.

3.8.2 Tender by Corporation/ Company/ Firm must be signed with the legal name of the Corporation/Company/Firm by the 'President', Managing Director or by the 'Secretary' or other designation or a person duly authorized.

3.8.3 The original copy of the tender shall be typed or written in indelible ink and shall be signed by the bidder or a person duly authorized to bid and bidder to the contract. The letter of authorization shall be submitted along with power-of-attorney. All the pages of the bid shall be initialed by the person or persons signing the tender.

3.8.4 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder in which case such corrections shall be initialed by the person or persons signing the tender.

3.9 Alternative Bids:

Bidders shall submit bids, which comply with the bidding documents. Alternative bids will not be considered. The attention of Bidders is drawn to the provisions of clause 3.12.3 & 3.12.4 regarding the rejection of Bids, which are not substantially responsive to the requirements of the bidding documents.

3.10 Evaluation of Bid


3.10.1 Process to be Confidential:

Information relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process. Any effort by a bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of the bidder's bid.

3.11 Clarification of Bids


To assist in the examination, evaluation and comparison of Bids, the Employer may, at its discretion, ask the bidder for clarification of its Bid. All responses to requests for clarification shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

3.12 Preliminary Examination of Bids / Responsiveness

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- 3.12.1 Employer will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order.
- 3.12.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.
- 3.12.3 Prior to the detailed evaluation, Employer will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.
- 3.12.4 Bid determined as not substantially responsive will be rejected by the Employer and/or the Employer and may not subsequently be made responsive by the Bidder by correction of the non-conformity.


(Signature of Bidder with seal)

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Section 4: Submission of tender

- 4.1 **Submission of tender:** The bid shall be submitted as per the guidelines given in the tender document.
- 4.1.1 The tender must be completed in all technical and commercial respect and should contain requisite certificates, drawings, informative literature, etc., as required in the specification.
- 4.1.2 **Technical and financial bid as per format are to be submitted in two separate and sealed envelopes marked Part-I & Part-II.**
- 4.1.3 First sealed envelope (Part-I) should contain earnest money, technical specification, brochure literature, other required documents etc. It should be super scribed with tender number. **All parts of tender documents except financial bid duly signed should be submitted in the first envelope.** Requisite earnest money, tender fees in the form of Demand Draft should be attached.
- 4.1.4 **Second sealed envelope (Part-II) should contain financial bid only.** It should be super scribed with Tender No. and 'Financial bid'. Anything in regard of financial condition, payment terms, rebate, etc. mentioned in financial bid may make the tender invalid. Therefore, it is in the interest of the bidder not to write anything extra in part-II except price. Both the envelopes should be put into one bigger envelop super scribed 'Complete bid'.
- 4.2 **Expenses of Agreement:** A formal agreement for a period of 01 (One) year from the date of commissioning and handing over of the system shall be entered into between TERI and the Contractor/ Bidder for the proper fulfillment of the contract. The expenses of completing and stamping of the agreement shall be paid by the successful bidder.
- 4.3 **Deadline for Submission of Bids:**
- 4.3.1 Bids must be submitted by the bidder in the date; time and address specified in the tender notice/documents.
- 4.3.2 The Employer may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents. All rights and obligations of the Employer and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 4.4 **Modifications and Withdrawal of Bids:**
The Bidder is not allowed to modify or withdraw its Bid after the Bid 's submission.
- 4.5 **Documents Comprising the Bid:**
The bidders are required to submit the bids in original to the following address: -
Head (Materials)
The Energy and Resources Institute (TERI)
6-C, Darbari Seth Block, IHC Complex
Lodhi Road, New Delhi – 110003,
- 4.6 Submitted bids having deviations from instructions of submission of tender will be cancelled and will be the responsibility of the prospective bidder.

(Signature of Bidder with seal)

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Section 5: Tender opening and evaluation

5.1 Opening and Evaluation of Tender

The procedure of opening of the tender shall be as under:

- 5.1.1 Evaluation will be carried out as per table no. 5 - Detailed evaluation criteria and scheme of evaluation.
- 5.1.2 First Part (Part-I) submitted having tender specification and super scribed as 'Technical Bid' shall be opened at the time and date mentioned in the tender notice by TERI's representatives in the presence of Bidders, who choose to be present.
- 5.1.3 Second Part (Part-II) containing Financial Bid shall be opened at the time and date mentioned in the tender notice by TERI's representatives in the presence of Bidders, who choose to be present (after obtaining clarifications and establishing technical suitability of the offer) as per schedule. Second part of only those Bidders shall be opened whose first part (Part-I) shall be found technically suitable.

Clarification of Tender

- 5.2 To assist in the examination, evaluation, and comparison of bids TERI may at its discretion ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing.
- 5.3 TERI reserves the right to interpret the Bid submitted by the Bidder in accordance with the provisions of this document and make its own judgment regarding the interpretation of the same. In this regard TERI shall have no liability towards any Bidder and no Bidder shall have any recourse to TERI with respect to the selection process. TERI shall evaluate the Bids using the evaluation process specified in this document or as amended, at its sole discretion. TERI's decision in this regard shall be final and binding on the Bidders.

(Signature of bidder with seal)

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Section 6: Procedure for finalization of Bid

6.0 The Procedure for Finalization of Bid would be as follows:

6.1 Finalization of Bid:

- The bidders shall submit bids for the construction as allowed for each category as mentioned in Table-6: The most suitable technology/technique during evaluation will be selected by TERI. **TERI's decision in this regard shall be final and binding.** Bids other than suitable technology will be discarded and evaluation will be done among bids under same technology.
- First the Technical bids shall be opened and evaluated. Technical bids will be evaluated as per table- 5. The bidders scoring at least seventy percent marks of the maximum technical score will be considered technically qualified.
- Then the price bid of technically qualified bidders shall be opened.

6.2 Finalization of Empanelment:

First the Technical Bids shall be opened, evaluated and list will be prepared.

Then the price of only technically qualified parties shall be opened.


- If the L-1 quote is more than 5% estimated value, then TERI reserves the right to negotiate with (lowest) L-1 bidder before finalization of the tender.
- L-1 i.e., lowest rate Bidder will be awarded up to 60% of the total value quantity or as per their capacity given in the tender document, whichever is lower.
- Approved lowest rate would be offered to those lowest Bidders (i.e., L-2, L-3, and so on) having quoted a price not more than 10% of lowest approved rates (L-1) and they will be empaneled and awarded equally remaining 40% of total tender quantity or as per his capacity given in the bid, whichever is lower.
- Incase no Bidder matches L1 rate then the entire contract will be given to lowest bidder.
- TERI will assign project sites to the shortlisted contractor/bidders/suppliers as and when project sites/villages are ready for construction tender. A cluster/block city-based approach would be followed depending on field conditions. After tender, order placed, should be executed within the time schedule stipulated in tender order. In case of delay (for any reason other than due to Force Majeure conditions or any extension thereof granted to him by TERI) a penalty equal to 1.0% of the price of the unperformed services for each week (For the purposes of calculation of delay, part of week shall be treated as week) of delay until actual performance up to a maximum deduction of 10% of the delayed services.

6.3 TERI reserves the right to accept any bid and to reject any or all bids.

6.4 Notification of awarding the contract:

6.4.1 Successful Bidder(s) for contract shall be intimated in writing.

6.4.2 From the time of Bid submission to the time of contract award, if any Bidder wishes to contact the Employer on any matter related to the Bid, it should be done in writing.


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6.4.3 Any effort by a Bidder to influence the Employer and/or in the Employer 's decisions in respect of Bid evaluation, bid comparison or Contract Award, will result in the rejection of the Bidder 's Bid.

6.5 Contract

Before execution of the work, a contract agreement for execution of the work shall be signed by the Bidder with TERI within 15 days of communication from TERI. In case agreement is not executed within the stipulated time, earnest money will be forfeited.

(Signature of Bidder with Seal)

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Part 3: General conditions of contract

1.0 TERI shall select the successful Bidder (s) based on techno commercial after verifying their capacity. The Project shall be executed by TERI. The successful Bidder(s) shall have to sign the contract with TERI.

1.1 Preference will be given to the bidder who has applied for all, however subject to availability of the desired quotations, multiple bidders may be considered.

1. Definitions:

1.2 'TERI' shall mean the Director-General of TERI or his representative and shall also include its successors in interest and assignees. The 'Contractor' shall mean (successful bidder), i.e., the person whose tender has been accepted by TERI and shall include his legal representatives and successors in interest.

1.3 The agreement shall be on turn-key basis. The work shall be completed within stipulated time from the date of placement of work order. However, 'TERI' may in case of urgency ask the bidder to complete the work earlier, with the mutual consent of the Contractor/ Bidder. In case the Contractor/Bidder fails to execute the said work within stipulated time, 'TERI' will be at liberty to get the work executed from the open market without calling any tender/e-tender and without any notice to the Contractor/Bidder, at the risk and cost of the Contractor/Bidder. Any additional cost incurred by 'TERI' shall be recovered from the Contractor/Bidder. If the cost of executing the work as aforesaid shall exceed the balance due to the Contractor/Bidder, and the Contractor/Bidder fails to make good the additional cost, 'TERI' may recover it from the Contractor/Bidders' pending claims against any work in 'TERI' or in any lawful manner.

1.4 On the request of the Contractor/Bidder and in the interest of the organization 'TERI' is authorized to extend the validity of the agreement, subject to that the request of the Contractor/Bidder is received before the expiry of the agreement period, or any extended period granted to the Contractor/Bidder. Maximum period of extension shall be 2 months on the same terms and conditions as contained in this agreement.


1.5 The agreement shall be deemed to be extended till the date of completion of last work order subject to the completion period.

1.6 The Contractor, (i.e., the successful bidder), may be allowed to operate at Jharkhand through a single authorized dealer for execution of the orders placed on authorized dealer. It will be the sole responsibility of the Contractor, to execute orders placed as per time schedule, and to ensure quality parameters, specifications and other requirements provided in the tender document and as per agreement.

1.7 In the interest of the work and the program, agreement executed between the Contractor/Bidder and 'TERI' may be extended to a mutually agreed period if the need so arises. It shall be sole responsibility of the Contractor/ Bidder to get verified the quality and quantity of the supplied material at the site of delivery.

2 Liquidated Damages

2.1 If the Contractor/ Bidder fails to perform the services within the time periods specified in the contract, 'TERI' shall without prejudice to its other remedies under the contract deduct from the contract price as liquidated

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damage, a sum equivalent to 1.0% of the price of the unperformed services for each week (For the purposes of calculation of delay, part of week shall be treated as week) of delay until actual performance up to a maximum deduction of 10% of the delayed services. Once the maximum is reached, 'TERI' may consider termination of the contract. In the case of violation of contract, TERI may confiscate pending payments/ dues of the Contractor/ Bidder assigning specific reasons and shall also have the power to debar/ blacklist the Contractor/ Bidder in similar circumstances. TERI may also invoke performance/security bank guarantee.

- 3 The Contractor/ Bidder shall have to comply with all the rules, regulations, laws and by-laws for the time being in force and the instructions if any, of the organization, in whose premises the work has to be done. 'TERI' shall have no liability in this regard.

4 Force Majeure

- 4.1 Notwithstanding the provisions of clauses contained in this deed; the contractor/ bidder shall not be liable for forfeiture of its performance security, liquidated damages, termination for default, if he is unable to fulfill his obligation under this deed due to event of force majeure circumstances.

- 4.2 For purpose of this clause, 'Force majeure' means an event beyond the control of the contractor/bidder and not involving the contractor/bidder's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of Government either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes


- 4.3 However, if a force majeure situation arises, the contractor/bidder shall immediately notify 'TERI' in writing. The decision of the competent authority of TERI in above conditions shall be final.

- 5 The High court of Judicature at New Delhi and Courts subordinate thereto, shall alone have jurisdictions to the exclusion of all other courts.

- 6 The Contractor/Bidder shall not, without the consent in writing of 'TERI', transfer, assign or sublet the work under the contract or any substantial part thereof to any other party.

- 7 'TERI' shall have at all reasonable time access to the works being carried out by the Contractor/Bidder under the contract. All the work shall be carried out by the contractor/bidder to the satisfaction of 'TERI'.

- 8 If any question, dispute or difference what so ever shall arises between 'TERI' and the Contractor/Bidder, in the connection with the agreement except as to matters, the decisions for which have been specifically provided, either party may forthwith give to the other notice in writing of existence of such question, dispute or difference and the same shall be referred to the sole arbitration of the Director-General, TERI or a person nominated by him. This reference shall be governed by the Indian Arbitration and Conciliation Act 1996, and the rules made there under. The award in such arbitration shall be final and binding on both the parties. Work under the agreement shall be continuing during the arbitration proceedings unless 'TERI' or the arbitrator directs otherwise.

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- 9 'TERI' may intimate the Contractor/Bidder by notice in writing at any time to either stop the work all together or reduce or cut it down. If the work is stopped all together, the Contractor/ Bidder will only be paid for work done and expenses distinctly incurred by him as on preparation or the execution of the work up to the date on which such notice is received by him. Such expenses shall be assessed by 'TERI', whose decision shall be final and binding on the contractor/ bidder. If the work is cut down, the Contractor/Bidder will not be paid any compensation whatsoever for the loss or profit which he might have made if he had been allowed to complete all the work included in the contract.

10 Inspection and Tests

- 10.1 The following inspection procedures and tests are required by 'TERI' in the presence of TERI's representative if so desired by 'TERI'.

- 10.2 'TERI' or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the contract. The special conditions of contract and/or the technical specifications shall specify what inspections and test 'TERI' required.

10.3 Inspection at Works:

- 10.3.1 'TERI', its duly authorized representative shall have at all reasonable times access to the Contractor/ Bidders premises or works and shall have the power at all reasonable times to inspect and examine the materials and workmanship of the works during its manufacture.

- 10.3.2 The Contractor/ Bidder shall give 'TERI' a written notice of 15-days before delivery of any material being ready for testing. It shall be mandatory that such notice should reach 'TERI' within 30 days of placement of work order. Such tests shall be on the contractor/ bidder's accounts/ expenses except for the expenses of the inspector. 'TERI' reserves the full rights, to waive off inspection of material.

- 10.3.3 The Contractor/Bidder is required to get the entire lot of the ordered material inspected at one time, before the supply of the materials.


- 10.3.4 All arrangements for the inspection of materials will be done by Contractor /Bidder.

- 10.3.5 The inspection by 'TERI' and issue of dispatch instruction there of shall in no way limit the liabilities and responsibilities of the contractor/bidder in respect of the agreed quality assurance program forming a part of the contract.

11. Warranty

- 11.1 The Contractor/Bidder shall warrant as per standards for quality that anything to be furnished shall be new, free from all defects and faults in material, workmanship and manufacture, shall be of the highest grade and consistent with established and generally accepted standards for material of the type ordered, shall be in full conformity with the specifications, drawing or samples, if any and shall if operable, operate properly.


Nothing in clause 10 above shall in any way release the contractor/bidder from any guarantee or other obligations under this contract.

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12. **Construction quality:** In addition to the specification, drawing as already provided, the contractor/bidder shall guarantee satisfactory construction quality performance of the tender and shall be responsible for the period or up to the date hereof after the tender has been accepted by 'TERI' to the extent for any defects that may develop such defects shall be removed at their own cost when called upon to do so by 'TERI'.
13. The contractor/Bidder shall not display the photographs of the tender and not take advantage through publicity of the tender without written permission of 'TERI'. The contractor shall distribute and fix a calendar at site, showing instructions, Dos, Don'ts with each unit. (The format of calendar should be approved by TERI).
14. Notice statement and other communication sent by 'TERI' through registered post or telegram or fax or email to the contractor/bidder at its specified addresses shall be deemed to have been delivered to the contractor/bidder.
15. Any work which is not covered under this contract but is essential required for the completion of job (to the satisfaction of TERI) shall be carried out by the Contractor as extra item or which payment shall be made separately at the rates decided by TERI.
16. The work shall be carried out by the Contractor/ Bidder as per design and drawings approved by TERI, wherever, necessary, the contractor/ bidder shall submit relevant designs and drawings for approval of employer, well in advance. Work carried out without TERI's approval shall not be accepted and the employer shall have right to get it removed and to recover the cost so incurred from the Contractor/Bidder.
17. The contractor/ bidder shall inform the 'TERI' of the number of units to be constructed, awareness programs conducted, date of each shipment from his tenders, and the expected date of arrival at the site for the information of the 'TERI' project offices at least seven days in advance
18. **Demurrage**
All demurrage, and other expenses incurred due to delayed clearance of the material or any other reason shall be to the account of the contractor/bidder.
19. **Transportation**

The Contractor/Bidder is required under the contract to deliver the goods to the site. E-way bill to be facilitated and arranged by the bidder.
20. **Termination for Insolvency**

'TERI' may at any time terminate the contract by giving written notice to the Contractor/ Bidder without compensation to the Contractor/Bidder, if it becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to 'TERI'.
21. **Termination for Convenience**

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‘TERI’, may by written notice sent to the contractor/bidder, terminate the contract, in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for the employer’s convenience in the interest of ‘TERI’.

22. Applicable Law

The contractor/bidder shall be interpreted in accordance with the laws of India under Delhi jurisdiction.

23. Notice

23.1 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by email and confirmed in writing to the address specified for that purpose in the special condition of contract.

23.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.

24 Corrupt or Fraudulent Practices

24.1 The Employer requires that the Bidders observe the highest standard of ethics during the procurement and execution of the Project. In pursuance of this policy, the Employer defines, for the purposes of this provision, the terms set forth below as follows:

- a. “Corrupt practice” means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or, those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and
- b. “Fraudulent practice” means a misrepresentation of facts to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.

24.2 Will reject a proposal forward if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

24.3 Will declare a firm ineligible, either indefinitely or for a stated period, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract.


25. Others:

25.1. The Contractor/ Bidder in consultation with concerned Project Officer of ‘TERI’ will engage community, focusing on main features, operation, usage, and maintenance of the units.

25.2 After successful construction units and training relate to the units will be handed over to the person designated by the TERI.

25.3 It shall be the sole responsibility of the contractor/Bidder to get verified the quality and quantity of work.

26. Payments:

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The payments shall be made as per the following terms and conditions:

- (a) 20% payment of the purchase order will be made after submission of inception report, material, and labour mobilization at site within 15 days from award of contract. Inception report would include detailed BOQ and work execution plan based on site condition. Photographs of material, labour mobilized along with certification by concerned TERI official.
- (b) 40% payment after completion of 30% of work of Annexure A with submission of documents, Invoice, progress report, photographs with certification of concerned TERI official as proof of delivery
- (c) 30% payment after completion of 70% of work of Annexure A with submission of documents, Invoice, progress report, photographs with certification of concerned TERI official as proof of delivery
- (d) 10 % payment of the ordered value after completion of full and final work of Annexure A. Construction and handover certificate (as prescribed), counter-signed by User/Concerned TERI Representative.
- (e) (i). All reports should be stamped and signed by the authorized representative of the contractor / bidder
(ii). Invoice of construction and commissioning as per purchase order.
(iii). All the payment shall be released from TERI Head Office, New Delhi on submission of requisite documents.

Note:

1. For the prompt execution of the project, TERI may choose more than one Contractor / Bidder for carrying out the project.
- 2. Non-terrible Logo (TERI, & Sponsor) pasting has to be done on each Unit.**
27. In case of any ambiguity in interpretation of any of the provisions of the tender, the decision of 'TERI' shall be final.
28. Compliance: All compliances (State/Central/Local /GST/ WCT/ESI/PF/Labour law, etc., is to be met by the Contractor / Bidder) and the same is to be produced by the vendor at the time of payment.
29. AGE LIMIT: Supplier should not employ the Laborers below the age of 18 yrs. Supplier should not employ Children as defined in Child Labour (Prohibition and Regulation) Act, 1986. Prices basis for supply of materials:
30. All safety norms related to occupational health and safety (OHS) and environment need to be followed by vendor at site as per standard guidelines.
31. The vendor shall document the details of all the capital assets created, if any in the financial year, the ownership of the said capital assets should be appropriately transferred to relevant stakeholders. A report in this regards will be provided by the vendor for a minimum period of 3 years post the completion of the project in respect of the same.
32. The vendor shall ensure that all statutory compliances and standards in respect of the performance of its activities, as applicable under the law in force at the time, are complied with.

(Signature of Bidder with seal)

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Part 4: Technical Details


Description: The tender document is for undertaking the above project for the various activities mentioned in the tender as per drawing and design.

Scope of work: Scope of tender under the project is as defined below:

The scope of work shall include themes on clean energy, skill development, sustainable mobility and health by creating infrastructures and solutions at the selected villages and schools to address the developmental needs of the population in a holistic and sustainable manner .Maintenance of all the infrastructure would be responsibility of vendor for one year

Delivery

Completion time for construction and community engagement: Construction should be completed within the time specified (06 months for all the activities). Warehousing and storage of all materials will be in the scope of tender till the commissioning of all units as per the purchase order. If the work is not completed in time, the B.G will be extended.


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Part 5: Technical Details

BOQ FOR THE CONSTRUCTION OF MID DAY MEAL KITCHEN IN FIVE SCHOOLS

BLOCK/TEHSIL-GOHARGANJ, DIST:RAISEN(MP)


Sl no		Description of Item	Quantity	Unit
1		Earth work in excavation 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil		
		Total Quantity	43.2	m3
2		Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.		
		Total Quantity	19.99	m3
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3 fine sand : 6graded stone aggregate 40 mm nominal size)		
		Total Quantity	5.5	m3
4		Brick work with common burnt clay F.P.S. (non		
		Total Quantity	23.03	m3
5		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	50.88	m3
6		Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (Zone III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources).		
		Total Quantity	13.8	m2
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 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate 20 mm nominal size).		
			10.97	m3
8		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-		

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9		Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers		
		Total Quantity	44.32	m2
10		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
		Roof Slab	64.59	m2
11		Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces		
		total	15.72	m2
12		Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :		
		Total Quantity	89.52	m2
13		Tile work in skirting, risers of steps and dado up to 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.		
		skirting on cooking platform	27	m2
14		Granite stone slab all colour and texture except black, Cherry/ Ruby red	22.5	m2
15		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total Quantity	752.69	m2
16		6 mm cement plaster of mix : 1:3 (1cement : 3 fine sand)		
		TOILET	47	m2
17		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.		
		sl no15+16	964.69	m2

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18		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		total	1950.94	m2
19		Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinkable priming coat with cement primer		
		same as sl 15+16		
		total	332.55	m2
20		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc		
		Total Quantity	38.16	kg
21		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		
			71.31	m2
22		Stainless Steel AISI-304(18/8) Wash basin 530x345mm with single 15 mm C.P. brass pillar tap	5	each
23		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
		32 mm dia	5	each
24		Providing and fixing brass bib cock of approved quality :		
		15 mm nominal bore	9	no
25		Supply and fixing of precast cement pavers of 65mm thick on the top of earthen bund Includes filling of joints etc. Complete work.	250	m2
26		Plantation of locally available grass including supply, plantation and watering.	250	m2
27		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.	5000	litre


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28		Electrification (Power socket, light,exhaust fan, Wires etc.ISI Standard)	5	each
29		Supply and fitting of Dustbin of 200 litres and 4.5 feet height	5	each
30		Painting & Branding	5	each


BOQ FOR CONSTRUCTION OF Purified drinking water system at FIVE Middle Sc Block/Tahsil-Goharganj,Dist:Raisen(MP)

BOQ for Development of purified drinking water infrastructure in school


S.NO		Description of Item	Quantity (m3)	Unit
1		Earth work in excavation 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		
		a)For Column Foundation	12.6	m3
2		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3fine sand : 6graded stone aggregate 40 mm nominal size)		
		Total	3	m3
3		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 : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	5.65	m3
4		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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	2.55	m3

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5		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 above plinth level 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(zone-III)derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).		
		Total	3.05	m3
6		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
			17.30	m2
7		Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressummers and cantilevers		
		a)Plinth beam		m2
		b)Lintels		m2
		c)Roof beam		m2
		Total Quantity	8.30	m2
8		Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts		
		Column		m2
		Total Quantity	33.10	m2
9		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo Mechanically Treated bars		
		in column footing (@1%)		
		80kg/m3	452.00	kg
10		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars		
		Total Quantity	840.00	Kg
11		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	4.35	m3

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12		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1cement : 4coarse sand), including pointing the joints with white cement and matching pigment etc., complete.		
		Total Quantity	18.00	m2
13		Tile work in skirting, risers of steps and dado up to 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.		
		Platform wall		
			57.60	m2
14		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total	48.00	m2
15		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		total wall	27.50	m2
16		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:		
		15 mm dia. nominal bore	125.00	Rm
		20 mm dia. nominal bore	75.00	Rm

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17		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.	5000.00	litre
18		Supply and fixing of RO water cooler system (100 L	5	Nos

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BOQ FOR CONSTRUCTION OF TOILET IN THE FIVE GOVT.MIDDLE SCHOOLBLOCK/TEHSIL-GOHARGANJ,RAISEN (MP)

BOQ for New Sanitation infrastructure for boys and girls in school


Sl no		Description of Item	Quantity	Unit
1		Earth work in excavation 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		
		Total Quantity	82.7	m3
2		Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.	0	
		Total Quantity	31	m3
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 cement : 3 fine sand : 6 graded stone aggregate 40 mm nominal size)	0	
		Total Quantity	12.8	m3
4		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	0	
		Total Quantity	50.55	m3
5		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)		
		Total Quantity	25.55	m3

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6		Providing and laying damp-proofcourse 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (Zone III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources).		
		Total Quantity	31.65	m2
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 above plinth level 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(zone- III)derived from natural sources : 3 graded stone aggregate 20 mm nominal sizederived from natural sources).		
		for Toilet	0	m3
		Total Quantity	14.4	m3
8		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treatedbars		
		RCC Inroof slab LINTEL,CHAJJA,RAMP,STAIR@100KG/M 3 (LS)	1440	kg
9		Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers		
		Total Quantity	72.8	m2
10		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
		Roof Slab	39.8	m2

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11		Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces		
		total	49.8	m2
12		Kota stone slab flooring over 20 mm(average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :		
		Total Quantity	79.05	m2
13		Tile work in skirting, risers of steps and dado up to 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.		
		Total Quantity	195	
15		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total Quantity	694.65	m2
16		6 mm cement plaster of mix : 1:3 (1cement : 3 fine sand)		
		TOILET	39.8	m2
17		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.		
		sl no 15+16	573.5	m2
18		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		sl no 15+16	573.5	m2

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21		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		
		Door	75.6	m2
22		Providing and fixing white vitreous china pedestal type water closet		
		W.C. pan with ISI marked white solid plastic seat and lid	10	each
33		Providing and fixing wash basin with C.I. brackets, 15 mm C.P.		

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		White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	10	each
34		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
		32 mm dia	5	each
35		Providing and fixing soil, waste and vent pipes :		
		100 mm dia.		
		Sand cast iron S&S pipe as per IS: 1729.	5	each
36		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:		
		15 mm dia. nominal bore	50	Rm
		20 mm dia. nominal bore	75	Rm
37		Providing and fixing brass bib cock of approved quality :		
		15 mm nominal bore	10	no
38		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.	5000	litre
31		Electrification(light,wires, etc.ISI Standard)	5	each
32		Safety iron grill(truss,column,sheet)	400	kg

BOQ for Solarisation of (3KW) for 5 Schools

S.No		Particulars	Unit	Quantity
1		PV Modules (575 watt)- 4 Pcs	Watt	5


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2		Solar PCU 3250 PLUS MPPT- 1 Pcs	Watts	5
3		Solar Battery 200 Ah (2 Pcs)	Ah	5
4		Solar Structure (2300 watt)	Nos	5
5		ACDB 1 Ph	Nos	5
6		AJB	Nos	5
7		DC Cable	Nos	5
8		GI Earthing Wire	Nos	5
9		Earthing Copper Bonded Rod with Chemical Bag (3 Nos)	Nos	5
10		Lightning Arrestor 4 Spike	Nos	5
11		MC4 Connector	Nos	5
12		Lugs/Cable Ties/PVC Saddle /flexible/ GI Nut Bolt washer/Insulator/Cable Ties.	Nos	5
13		Conduit pipe PVC	Nos	5
14		Installation & Commissioning	Nos	5

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BOQ FOR Construction of SKILL DEVELOPMENT CETRE at vill:Divatiya & Dahod ,Block/Tahsil: Goharganj,Distt:Raisen(MP)
BOQ for construction of Skill Development Centre at Divatiya & Dahod (G. Floor)

Sl no		Description of Item	Quantity	Unit
1		Earth work in excavation 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil		
		Total Quantity	102.96	m3
2		Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.		
		Total Quantity	3.24	m3
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3fine sand : 6graded stone aggregate 40 mm nominal size)		
		Total Quantity	27.76	m3
4		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 : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	24.66	m3
5		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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	5	m3
6		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 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate 20 mm nominal size).		
		Total	35.48	m3
7		Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete		
		Total Quantity	187.94	m2

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8		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
			166.14	m2
9		Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressummers and cantilevers		
		Total Quantity	174.44	m2
10		Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts		
		Total Quantity	118.94	m2
11		Centering and shuttering including strutting, propping etc. and removal of form for : Weather shade, Chajjas, corbels etc., including edges		
		total	10.8	m2
12		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars		
		in column footing (@1%)		
		80kg/m3(sl no-4,a,b,c,d)	1972	kg
13		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars		
		Total Quantity	5370.4	Kg
14		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 5 in foundation and plinth in: Cement mortar 1:6 (1cement: 6coarse sand)		
		Total Quantity	24.5	m3
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 lift upto 1.5 m.		
		Total Quantity	62.38	m3
16		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	44.54	m3
18		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc.		

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		Total Quantity	64.44	kg
19		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colors and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm		
		25 mm thick.		
		Total Quantity	146.58	m2
20		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1cement : 4coarse sand), including pointing the joints with white cement and matching pigment etc., complete.		
		Total Quantity	4.32	m2
21		Tile work in skirting, risers of steps and dado up to 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.		
			17.6	m2
22		Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws		
		Total	4.2	m2

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23		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion. Powder coated aluminium (minimum thickness of powder coating 50 micron)		
		Powder coated aluminium (minimum thickness of powder coating 50 micron)		
		Total	371.76	Kg
24		Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminum snap beading shall be paid in basic item):. With float glass panes of 4.0 mm thickness		
		Total	38.52	M2
25		Filling the gap in between aluminum frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Up to 5mm depth and 5 mm width		
		Total	88.8	/m
26		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total	507.5	m2
27		6 mm cement plaster of mix : 1:3 (1cement : 3 fine sand)		
		Total	138.6	m2
28		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.		

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		sln027+28	646.1	m2
29		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		Outerwall	340	m2
30		Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: New work (two or more coats) over and including water thinkable priming coat with cement primer		
		interior portion		
		203.97+64.55=	450	m2
31		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		
		Door+window+grill-35.24+8.91=44.15m2	40	m2
32		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 :		
		W.C. pan with ISI marked white solid plastic seat and lid	2	each
33		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 require:		
		White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	2	each
34		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
		32 mm Dia	2	each
35		Providing and fixing soil, waste and vent pipes :		
		100 mm dia.		
		Sand cast iron S&S pipe as per IS: 1729.	2	each
36		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:		

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		15 mm dia. nominal bore	20	Rm
		20 mm dia. nominal bore	30	Rm
37		Providing and fixing brass bib cock of approved quality :		
		15 mm nominal bore	4	no
38		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.	2000	litre
39		Electrification (Main switch board, light, exhaust fan, 4 fans, wires, etc. ISI Standard)	2	Lumpsum

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BOQ for Solarization of Livelihood Skill Development Centre (2 Nos) for 3.3 kw

S.No	Particulars	Unit	Quantity
1	PV Modules (575 watt)- 5 Pcs	Watt	2
2	Solar PCU 3250 PLUS MPPT-1 Pcs	Watts	2
3	Solar Battery 200 Ah (2 Pcs)	Ah	2
4	Solar Structure (2875 watt)	Nos	2
5	ACDB 1 Ph	Nos	2
6	AJB	Nos	2
7	DC Cable	Nos	2
8	GI Earthing wire	Nos	2
9	Earthing Copper Bonded Rod with Chemical Bag (3 Nos)	Nos	2
10	Lightning Arrestor 5 Spike	Nos	2
11	MC4 Connector	Nos	2
12	Lugs/Cable Ties/PVC Shaddle/flexible/ GI Nut Boltwasher/Insulator/Cable Ties.	Nos	2
13	Conduit pipe PVC	Nos	2
14	Installation & Commissioning	Nos	2

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Bill of Quantity for household machines for Skill development/ capacity building/ training program for Self Help Groups

Sl. No.	Particulars	No	Quantity	Unit
1	Provision of Manual Dona Patta Making Machine for SHG	2	2	No.
2	Provision of Stitching Machine	10	10	Nos.
3	Provision of Papad making Machine Manual	2	2	Nos.
4	Provision of Training related to Pickle making machine	2	2	Nos.
5	Provision of Manual Phenyl Making Machine for SHG like drum and other equipment's etc.			
6	Provision of Skill Development Training program for Bamboo handicraft. Tool Kits for Tokri, Chatai etc.	2	2	Nos.
7	Provision of one time Raw Materials for SHGs related to Phenyl Making, Bamboo handicraft ,Pickle making, Dona Patta, Papad,Sewing machine etc.	Nos	Nos	Nos.
8	Exposure Visit to the SHG'S to nearby KVK'S for knowledge enhancement.	2	2	Nos.

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BOQ for Solar Pump for Agriculture and Livelihood (5 Hp) for 8 Sets (10% Co-funding by Beneficiary)

S.No	Particulars	Technical details	Unit	Quantity
1	Solar Module 300-335Watt*15 Nos Solar Controller AC/DC 5 HP Solar Pump set Ac/Dc 5 HP	Voc-46 V, Vmp-38V, Amp- 9.45A VFD- Max Input Voc- 400V Voc-250-660V	Amp, Volt	8 Set
2	Solar fix Structure for ground.	5kw	kw	8 Set
3	2000 Litre Water Storage Tank 3 Layer (Black)	2000 Litre	Litre	8 Nos
4	Solar Structure for 2000 Litre using GI 12 Feet height from ground to water tank.	2000 Litre	Litre	8 Nos
5	Wire 4Sqmm & Accessories	Dc wire 4Sq mm and 200mm each	Meter	8 Nos
6	Jet Jaali	SS	Meter	8 Nos
7	Steel grip Tape	PVC	Feet	8 Nos
8	UPVC Solvent 200 ML	Tin	ml	8 Nos
9	PVC Pipe 2 inch	PVC	Feet	8 Nos
10	Column Pipe 2 inch	PVC	Feet	8 Nos
11	Motor Cable 4 mm	Copper	mm	8 Nos
12	10 mm Rope	Plastic	mm	8 Nos
13	M SEAL 300 GRAM	Regular	Kg	8 Nos
14	Compound Rubber unvulgarized omega	Kaccha Rubber	Kg	8 Nos
15	PTFE THREDSEAL TAPE POLOTEC	Teflon Tape	Meter	8 Nos
16	UPVC Fitting Items(Elbow, Tee, MTA, FTA, Tank nipple, Tape, Adapter, Union, socket)	Supreme, Plasto etc	Nos	8 Nos
17	Bib Cock	PVC	Nos	8 Nos
18	Civil Work in Platform Area.	Sand, Cement, Stone, Chips, Bricks	Nos	8 Nos


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**BOQ for the construction and repair of MODEL ANGANWADI at five village Block/Tahsil:
Goharganj, Distt:Raisen(MP)**


Sl no		Description of Item	Quantity	Unit
1		Earth work in excavation 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil		
		Total Quantity	86.86	m3
2		Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.		
		Total Quantity	3.24	m3
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3fine sand : 6graded stone aggregate 40 mm nominal size)		
		Total Quantity	16	m3
4		Providing and laying in position specified		
		Total Quantity	25.62	m3
5		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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	5	m3
6		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 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate 20 mm nominal size).		
		Total	35.36	m3

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7		Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete		
		Total Quantity	168.48	m2
8		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
			169.1	m2
9		Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts		
		Total Quantity	118.94	m2
10		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars		
		in column footing(@1%)		
		80kg/m3(sl no-4,a,b,c,d)	2062	kg
11		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars		
		Total Quantity	4819.6	Kg
12		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5 in foundation and plinth in: Cement mortar 1:6 (1cement : 6coarse sand)		
		Total Quantity	37.05	m3
13		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 lift up to 1.5 m.		
		Total Quantity	62.38	m3
14		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	64.32	m3

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15		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc		
		Total Quantity	64.44	kg
16		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm		
		25 mm thick.		
		Total Quantity	141.8	m2
17		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1cement : 4coarse sand), including pointing the joints with white cement and matching pigment etc., complete.		
		Total Quantity	12.6	m2
18		Tile work in skirting, risers of steps and dado up to 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.		
			29.6	m2
19		Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws		
		Total	12.6	m2

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20		Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required Dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mired and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion. Powder coated aluminium (minimum thickness of powder coating 50 micron)		
		Powder coated aluminium (minimum thickness of powder coating 50 micron)		
		Total	371.76	Kg
21		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminum snap beading shall be paid in basic item):. With float glass panes of 4.0 mm thickness		
		Total	32.22	m2
22		Filling the gap in between aluminum frame & adjacent RCC/ Brick/ Stonework by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Up to 5mm depth and 5 mm width		
		Total	88.8	/m
23		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total	675.62	m2
24		6 mm cement plaster of mix : 1:3 (1cement : 3 fine sand)		
		Total	96.2	m2

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25		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.		
		sln027+28	771.82	m2
26		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		Outerwall	510.12	m2
27		Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: New work (two or more coats) over and including water thinkable priming coat with cement primer		
		interior portion		
			712	m2
28		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		
			100	m2
29		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 :		
		W.C. pan with ISI marked white solid plastic seat and lid	5	each
30		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 require:		
		White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	2	each
31		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		

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		32 mm dia	2	each
32		Providing and fixing soil, waste and vent pipes :		
		100 mm dia.		
		Sand cast iron S&S pipe as per IS: 1729.	2	each
33		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:		
		15 mm dia. nominal bore	20	Rm
		20 mm dia. nominal bore	30	Rm
34		Providing and fixing brass bib cock of approved quality :		
		15 mm nominal bore	4	no
35		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.	2000	litre
36		Electrification(Main switch Board ,light, exhaust fan,4 fans, wires, etc .ISI Standard)	2	Lumpsum
37		Supply and fixing of precast cement pavers of 65mm thick on the top of earthen bund Includes filling of joints etc. Complete work.	250	m2
38		Plantation of locally available grass including supply, plantation and watering.	250	m2
39		Supply and fitting of Dustbin of 200 litres and 4.5 feet height	5	m2

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BOQ for Solarization for 1 Kw for Anganwadi Centre

S.No	Particulars	Unit	Quantity
1	PV Modules (225 watt)- 4 Pcs	Watt	5
2	Solar PCU 1250 PLUS MPPT-1 Pcs	Watts	5
3	Solar Battery 200 Ah (1 Pcs)	Ah	5
4	Solar Structure (900 watt)	Nos	5
5	DC Cable	Nos	5
6	GI Earthing wire	Nos	5
7	Earthing Copper Bonded Rod with Chemical Bag (1 Nos)	Nos	5
8	Lightning Arrestor 4 Spike	Nos	5
9	MC4 Connector	Nos	5
10	Lugs/Cable Ties/PVC Saddle/flexible/ GI Nut Bolt washer/Insulator/Cable Ties.	Nos	5
11	Conduit pipe PVC	Nos	5
12	Installation & Commissioning	Nos	5

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BOQ for Toys and Furniture in Aganwadi

S.No		Particulars	Unit	Quantity
1		Bench	Nos	22
2		Desk	Nos	22
3		Aqua guard	Nos	5
4		Toys including Indoor items	Nos	29
5		See Saw	Nos	5
6		Playground Climbers	Nos	5
7		Swings	Nos	5
8		Slider	Nos	5

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BOQ for the construction & repair of 5 PHC at Block/Tahsil: Goharganj, Distt:Raisen(MP)

BOQ for construction and repair of PHC

Sl no		Description of Item	Quantity	Unit
1		Earth work in excavation 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil		
		Total Quantity	65.19	m3
2		Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.		
		Total Quantity	1.96	m3
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3fine sand : 6graded stone aggregate 40 mm nominal size)		
		Total Quantity	23.77	m3
4		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 : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	21.52	m3
5		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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	4.20	m3
6		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 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate 20 mm nominal size).		

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		Total	38.13	m3
7		Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete		
		Total Quantity	57.22	m2
8		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
			20.76	m3
9		Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers		
		Total Quantity	167.36	m2
10		Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts		
		Total Quantity	131.46	m2
11		Centering and shuttering including strutting, propping etc. and removal of form for : Weather shade, Chajjas, corbels etc., including edges		
		total	11.34	m2
12		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars		
		in column footing(@1%)		
		80kg/m3(sl no-4,a,b,c,d)	1708.84	kg
13		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars		
		Total Quantity	4707.40	Kg
14		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5 in foundation and plinth in: Cement mortar 1:6 (1cement : 6coarse sand)		
		Total Quantity	24.18	m3
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 lift upto 1.5 m.		
		Total Quantity	125.64	m3

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16		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	56.93	m3
17		Half brick masonry with common burnt clay F.P.S. (non-modular) bricks of class designation 5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1cement : 4coarse sand)		
		Total Quantity	13.86	m3
18		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with raw plugs screws etc.		
		Total Quantity	68.67	kg
19		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm		
		25 mm thick.		
		Total Quantity	237.72	m2
20		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1cement : 4coarse sand), including pointing the joints with white cement and matching pigment etc., complete.		
		Total Quantity	6.48	m2
21		Tile work in skirting, risers of steps and dado up to 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.		
			26.40	m2

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22		Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws		
		Total	15.12	m2
23		Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mired and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For fixed portion. Powder coated aluminum (minimum thickness of powder coating 50 micron)		
		Powder coated aluminum (minimum thickness of powder coating 50 micron)		
		Total	358.20	Kg
24		Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminum snap beading shall be paid in basic item):. With float glass panes of 4.0 mm thickness		
		Total	31.47	m2

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25		Filling the gap in between aluminum frame & adjacent RCC/ Brick/ Stonework by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Up to 5mm depth and 5 mm width		
		Total	89.55	/m
26		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total	1094.14	m2
27		6 mm cement plaster of mix : 1:3 (1cement : 3 fine sand)		
		Total	256.65	m2
28		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.		
		sln027+28	1385.42	m2
29		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		Outerwall	798.38	m2
30		Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinkable priming coat with cement primer		
		interior portion		
			837.04	m2
31		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		
			220.75	m2
32		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 :		

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		W.C. pan with ISI marked white solid plastic seat and lid	3.00	each
33		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 require:		
		White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	3.00	each
34		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
		32 mm dia	5.00	each
35		Providing and fixing soil, waste and vent pipes :		
		100 mm dia.		
		Sand cast iron S&S pipe as per IS: 1729.	5.00	each
36		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:		
		15 mm dia. nominal bore	30.00	Rm
		20 mm dia. nominal bore	45.00	Rm
37		Providing and fixing brass bib cock of approved quality :		
		15 mm nominal bore	6.00	no
		Supply and fixing of precast cement pavers of 65mm thick on the top of earthen bund Includes filling of joints etc. Complete work.	150.00	m2
38		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.	3000.00	litre
39		Electrification(light,exhaust fan, wires, etc.ISI Standard)	3.00	Lumpsum

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BOQ FOR THE CONSTRUCTION OF Purified drinking water system at FIVE PHC Block/Tahsil-Goharganj,Dist:Raisen(MP)

S.NO		Description of Item	Quantity (m3)	Unit
1		Earth work in excavation 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		
		a)For Column Foundation	12.6	m3
2		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3fine sand : 6graded stone aggregate 40 mm nominal size)		
		Total	3	m3
3		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 : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	5.65	m3
4		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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal		
		Total Quantity	2.55	m3
5		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 above plinth level 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(zone-III)derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).		
		Total	3.05	m3

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6		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform		
			17.30	m2
7		Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressummers and cantilevers		
		a)Plinth beam		m2
		b)Lintels		m2
		c)Roof beam		m2
		Total Quantity	8.30	m2
8		Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts		
		Column		m2
		Total Quantity	33.10	m2
9		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars		
		in column footing (@1%)		
		80kg/m3	452.00	kg
10		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars		
		Total Quantity	840.00	Kg
11		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	4.35	m3
12		Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1cement : 4coarse sand), including pointing the joints with white cement and matching pigment etc., complete.		
		Total Quantity	18.00	m2
13		Tile work in skirting, risers of steps and dado up to 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.		
		Platform wall		
			57.60	m2


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14		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total	48.00	m2
15		Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		
		total wall	27.50	m2
16		Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:		
		15 mm dia. nominal bore	125.00	Rm
		20 mm dia. nominal bore	75.00	Rm
17		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.	5000.00	litre
18		Supply and fixing of RO water cooler system (100	5	Nos

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BOQ for Solarization of (3KW) for 5 PHC

S.No		Particulars	Unit	Quantity
1		PV Modules (575 watt)- 4 Pcs	Watt	5
2		Solar PCU 3250 PLUS MPPT- 1 Pcs	Watts	5
3		Solar Battery 200 Ah (2 Pcs)	Ah	5
4		Solar Structure (2300 watt)	Nos	5
5		ACDB 1 Ph	Nos	5
6		AJB	Nos	5
7		DC Cable	Nos	5
8		GI Earthing Wire	Nos	5
9		Earthing Copper Bonded Rod with Chemical Bag (3 Nos)	Nos	5
10		Lightning Arrestor 4 Spike	Nos	5
11		MC4 Connector	Nos	5
12		Lugs/Cable Ties/PVC Shaddle /flexible/ GI Nut Bolt washer/Insulator/Cable Ties.	Nos	5
13		Conduit pipe PVC	Nos	5
14		Installation & Commissioning	Nos	5

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BOQ for Medical Equipment's in 5 PHC

S.No		Particulars	Unit	Quantity
1		Oxygen Concentrator	Nos	5
2		Wheel Chair	Nos	5
3		Steel Chair	Nos	5
4		Medical Rack/Almirah	Nos	5
5		Table	Nos	5
6		Medical Kit (First Aid)	Nos	5


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BOQ for Electric Rickshaws (EV) for 10 pax (50% cofunding by beneficiary)

S.No	Particulars	Unit	Quantity
1	Battery: Lithium ion, 51.2 V, 8 kWh	kWh	10
2	Power: 5.44 kW at 3500 RPM	RPM	10
3	Charging: 48V / 3000W off-board charger	Volt	10
4	Tyres: Rear tyre 120/80 R 12	Nos	10
5	Dimensions: Overall length 3315 mm, overall width 1490 mm	mm	10
6	Payload: 506 kg	Kg	10
7	Power: 5.44 kW at 3500 RPM	RPM	10


A. BOQ for Integrated Domestic Energy System in the Village (25% co-funding by beneficiary)

S.No	Particulars	Unit	Quantity
1	Solar Photovoltaic (SPV) array (1 no)	Watts	1000
2	Module mounting structure (complete Set)	No	1000
3	Charge Controller (1 nos)	Volts	1000
4	Battery bank (1 nos)	Ah	1000
5	Luminary (3 nos)	Volts	1000
6	Cables & Accessories (Compete sets)	Metre	1000
7	PVC Conduits (As per requirement)	No	1000
8	Installation Accessories (complete systems)	No	1000

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B. Improved Cookstoves

S.No	Particulars	Unit	Quantity
1	Front loaded force/ Natural draft- family size	No	1000
2	Power output 3.6 kW	kW	1000
3	Fuel consumption	Kg/hr	1000
4	Regulator and Switch	Ohm	1000
5	Fan type and details	rpm	1000

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BOQ for Provision of 100 Solar Street Lights in the Village.

S.No	Particulars	Unit	Quantity
1	LED Light 20 watts	Watts	100
2	Solar Panel 75 watts	Watts	100
3	Battery Capacity lipo4 -18 ah (Exide	Ah	100
4	Pole Height/Weight 6 metre/ (20 Kg)	Kg	100
5	Motion Sensor 20 Watts	Watts	100
6	High-Pressure Aluminium Die Cast	Metre	100
7	Light Source OSRAM/CREE	No	100
8	LED Lumen Efficiency >80%	No	100

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BOQ for Solar-based Lighting and Digital solutions

S.N	Particulars	Unit	Quantity
1	Android Tablet <ul style="list-style-type: none"> Operating System - Android 11 with GSM CPU - Octa-core Cortex A75*2, Cortex A55*6, 2.0GHz Chipset - T618 GPU - IMG GE52, 850MHz Memory - 4GB RAM + 64GB Internal Storage & Expandable up to 256GB Google Support Display – Size:10.1” Inch 	Nos	30
2	9V/2A Power Supply (Fast Charger)	Nos	30
3	Solar Panel (100 Watts)	Watt	30
4	3 x 3W LED Batten/Lights (4.5Watt)	Nos	30
5	Lithium (External Battery) (30 Ah)	Watts	30
6	12W DC Fan (Pedestal or Ceiling)	rpm	30
7	Education Course Content for Students	Nos	30


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BOQ and details for Training Program on Three Wheeler EV Adoption (100 pax)


S. No.	Topics	Sub Topics	Detailed	Duration	Unit	Quantity
1.	Introduction to E-Rickshaw Technology and Basic Components	Overview of E-Rickshaw Technology	Introduction to Electric Vehicles (EVs) and E-Rickshaws History and Evolution of E-Rickshaws Environmental Benefits of E-Rickshaws Comparison with Traditional Rickshaws	Week 1	Nos	100
		Basic Components of E-Rickshaw	Overview of Major Components <ul style="list-style-type: none"> Electric Motor Battery Pack Controller Chassis and Frame Wheels and Tires Understanding the Function of Each Component		Nos	100
		E-Rickshaw Electrical System	Introduction to E-Rickshaw Electrical Circuit Battery Management Systems (BMS) Wiring and Electrical Connections Safety Precautions for Handling Electrical Components		Nos	100
		Mechanical Systems of E-Rickshaw	Chassis and Suspension Systems Steering Mechanism Brake Systems Maintenance of Mechanical Components		Nos	100
		Regulatory Standards and Compliance	Government Regulations and Safety Standards Licensing and Registration Procedures Compliance with Emission Norms Importance of Adhering to Safety Guidelines		Nos	100
		Practical Session	Hands-on Identification of E-Rickshaw Components Demonstration of Electrical and Mechanical Systems		Nos	100
2.	E-Rickshaw Maintenance Practices	Battery Maintenance	Types of Batteries Used in E-Rickshaws Charging and Discharging Cycles Battery Life Extension Techniques Safety Measures for Battery Maintenance	Week 2	Nos	100
		Motor Maintenance	Types of Electric Motors in E-Rickshaws		Nos	100

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S. No.	Topics	Sub Topics	Detailed	Duration	Unit	Quantity
			Routine Maintenance and Inspection Troubleshooting Common Motor Issues Replacement Procedures for Motors		Nos	100
		Controller and Electrical System Maintenance	Understanding the Controller Functions Diagnosing and Fixing Electrical Issues Routine Check-ups for Wiring and Connections Ensuring Proper Functioning of the Electrical System		Nos	100
		Mechanical Maintenance	Lubrication of Moving Parts Suspension and Steering System Checks Brake Adjustment and Maintenance Tire Inspection and Replacement		Nos	100
		Preventive Maintenance	Importance of Preventive Maintenance Creating a Maintenance Schedule Common Preventive Maintenance Tasks Record-Keeping for Maintenance Activities		Nos	100
		Practical Session	Hands-on Practice for Battery Maintenance Motor and Controller Maintenance Exercises Mechanical System Maintenance Drills		Nos	100
3.	Learning to Drive an E-Rickshaw	Basic Driving Skills	Introduction to Driving an E-Rickshaw Understanding the Controls and Dashboard Starting and Stopping the E-Rickshaw Basic Maneuvering Techniques	Week 3	Nos	100
		Traffic Rules and Regulations	Overview of Traffic Rules and Regulations Road Signs and Signals Safe Driving Practices Understanding Right of Way		Nos	100
		Driving in Different Conditions	Driving on Various Road Types Handling Different Weather Conditions Night Driving Tips Safety Measures for Different Driving Scenarios		Nos	100 71


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S. No.	Topics	Sub Topics	Detailed	Duration	Unit	Quantity
		Passenger Safety and Comfort	Ensuring Passenger Safety Proper Seating Arrangements Smooth Driving Techniques for Passenger Comfort Handling Emergency Situations		Nos	100
		Eco-Driving Techniques	Importance of Eco-Driving Techniques to Maximize Battery Efficiency Reducing Wear and Tear on the Vehicle Environmental Benefits of Eco-Driving		Nos	100
		Practical Session	Hands-on Driving Practice Maneuvering Exercises Practicing Safe Driving Techniques Simulated Driving Scenarios		Nos	100
	Advanced Driving and Troubleshooting	Advanced Driving Skills	Advanced Maneuvering Techniques Parking and Reversing Handling Heavy Traffic Driving in Narrow Lanes	Week 4	Nos	100
		Troubleshooting Common Issues	Identifying Common E-Rickshaw Problems Diagnostic Techniques On-the-Spot Troubleshooting When to Seek Professional Help		Nos	100
		Emergency Handling	Handling Breakdowns Battery Failure Protocols Dealing with Accidents First Aid Basics		Nos	100
		Customer Service Skills	Importance of Good Customer Service Communication Skills Handling Difficult Passengers Building a Positive Reputation		Nos	100
		Business and Financial Management	Basics of Running an E-Rickshaw Business Cost Management and Profitability Record-Keeping and Documentation Legal and Tax Considerations		Nos	100
		Practical Session	Advanced Driving Practice Troubleshooting Exercises Customer Interaction Role-plays Business Planning Activities		Nos	100
						72

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BOQ for Solar Marts (4 nos.) for IDES

S.No	Particulars	Unit	Quantity
1	Solar Photovoltaic (SPV) array (1 no)	Watts	10
2	Charge Controller (1 nos)	Volts	10
3	Battery bank	Ah	10
4	Luminary (3 nos)	Volts	10
5	Cables & Accessories (Compete sets)	Metre	10
6	PVC Conduits (As per requirement)	No	10
7	CIVIL WORK (ISTALLATION OF MART STATION	Lumpsum	I ITEM
8	Electrification	Lumpsum	I ITEM


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BOQ For Battery Swapping Station (5 units)

S.NO		Description of Item	Quantity (m3)	23zUnit
1		Earth work in excavation 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		
		a)For Column Foundation	2.52	m3
2		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 : 1:1.5:3 (1cement : 1.5coarse sand : 3graded stone aggregate 20 mm nominal size)		
		Total Quantity	0.60	m3
3		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars		
		in column footing (@1%)		
		80kg/m3	67.20	kg
4		Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1cement : 6 coarse sand)		
		Total Quantity	0.50	m3
5		12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
		Total	9.60	m2
6		Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :	10.68	m2
7		Battery: Lithium ion, 51.2 V, 8 kWh	10.00	Watts


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8		Charging: 48V / 3000W off-board charger	10.00	Volt
9		Electrical Items	5.00	Nos
10		Furniture for Battery holding Rack	5.00	Nos

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BOQ FOR THE CONSTRUCTION and INSTALLATION OF EV CHARGING STATIONBLOCK/TEHSIL-GOHARGANJ, RAISEN (MP)

Sl no	Description of Item	Quantity	Unit
1	Earth work in excavation 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil		
	FOR FOUNDATION	8.64	m3
	Total Quantity	8.64	m3
2	Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete.		
	Under plinth	5.40	
	Total Quantity	5.40	m3
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1cement : 3 fine sand : 6graded stone aggregate 40 mm nominal size)		
	a)UNDER FOUNDATION	1.08	m3
	Total Quantity	1.08	m3
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5 in foundation and plinth in: Cement mortar 1:6 (1cement : 6coarse sand)		
	Total Quantity	6.48	m3
5	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers		
	IN Lintel beam	1.80	m2
	Total Quantity	1.80	m2
6	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :		
	PLATFORM	90	m2
	Total Quantity	90.00	m2
7	12 mm cement plaster of mix : 1:6 (1cement : 6fine sand)		
	Total Quantity	72	m2
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work		
	SHED AND COLUMN	96	m2
9	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of		
	Total Quantity	1.52	m3

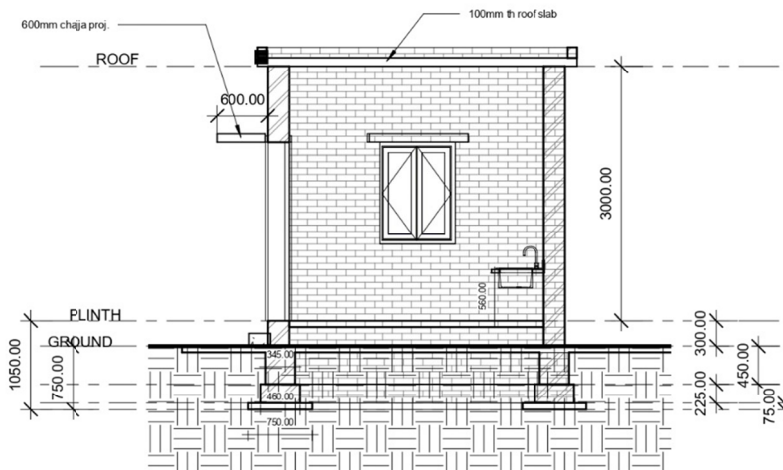
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10		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars		
		in column footing(@1%)		
		80kg/m3	121	kg
11		Supply and fixing of precast cement pavers of 65mm thick on the top of earthen bund Includes filling of joints etc. Complete work.	100.00	m2
12		Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.		
		for column and truss	935	kg
13		Providing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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.		
		1.00 mm thick with zinc coating not less than 275 gm/m ²	40	m2
14		Electrification (light, wires, etc .ISI Standard)	1	each
15		Charging Points for 3-wheeler (IEC 62196 Type 2 for AC	2	NOS
16		AC Charger (3kW to 7kW)	2	NOS
17		Circuit Breaker and RCD	2	NOS
18		Distribution Box	2	NOS
19		Smart Charging Controller	2	NOS
20		Mounting Equipment's	2	NOS
21		Solar (3 kW)	2	NOS

Tender

Door Schedule				
Family and Type	Mark	Height	Width	Thickness
M_Single-Flush: 1100x2100mm 2	D1	2100.00	1100.00	51.00
Grand total: 1				

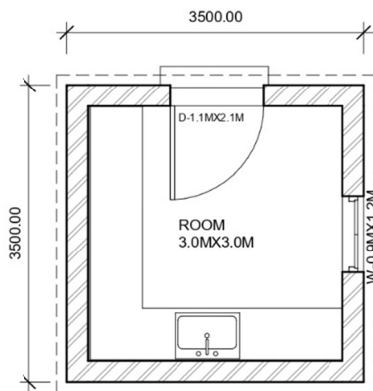
Window Schedule					
Window Style	Mark	Sill Height	Width	Height	Remarks
STEEL WINDOW	W1	900.00	900.00	1200.00	



3

Section 2

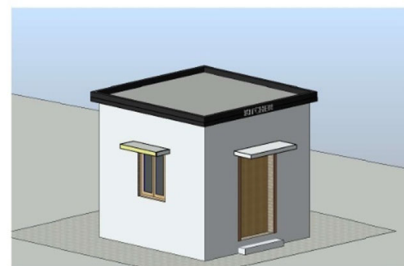
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1

Ground floor plan

1 : 50



2

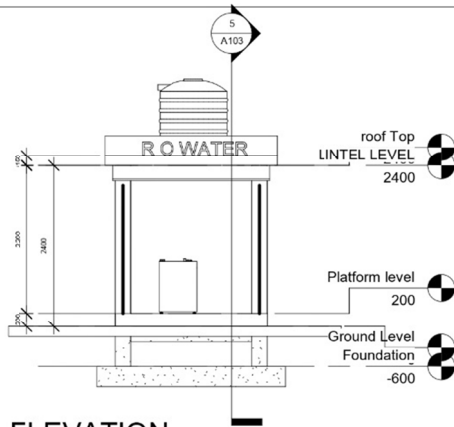
{3D}

A PROPOSED BUILDING PLAN FOR
THE CONSTRUCTION OF TOILET AT
GOVT.MIDDLE SCHOOL,DIST
RAISEN(M.P.)

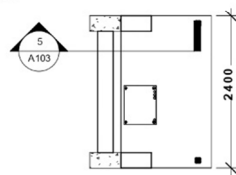
AREA STATEMENT

BUILT-UP AREA-15.75 SQM.

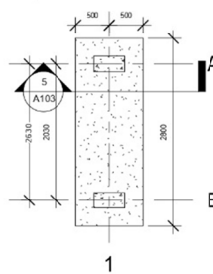
SIGN OF ENGINEER

**Tender****ELEVATION**

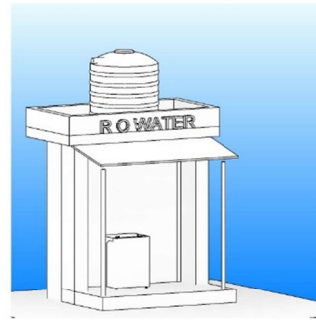
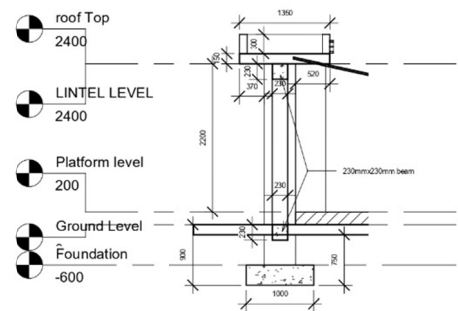
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**PLAN OF RO SYSTEM****Ground Level**

1 : 50

**Foundation Layout**

1 : 50

**3 D RO SYSTEM****Section 1**

1 : 50

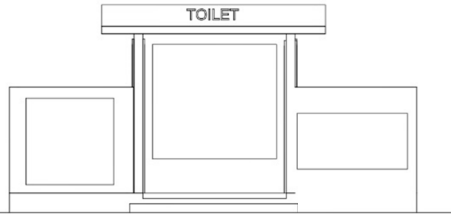
PROPOSED RO SYSTEM WITH COOLER SITUATED AT
MIDDLE SCHOOL ,RAISEN,(MP)

SIZE OF PLAT FORM
2.4MX1.8M

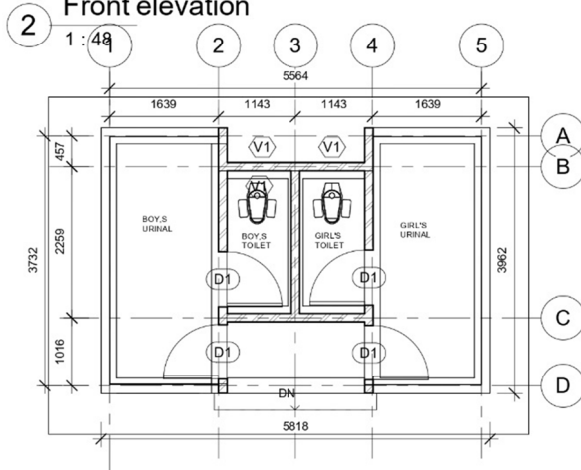
SIGN OF ENGINEER



Tender

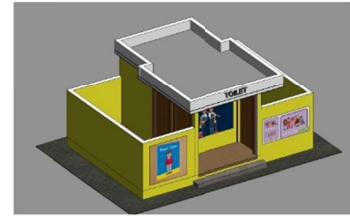


Front elevation

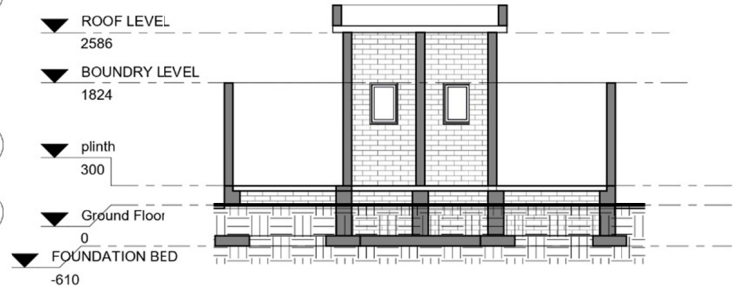


ground floor plan

1 : 50



{3D}



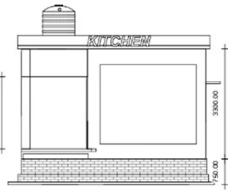
Section 2

1 : 50

PROPOSED SANITATION BUILDING FOR BOY'S & GIRL'S AT MIDDLE SCHOOL, BLOCK/TEHSIL GOHARGANJ, RAISEN, (MP)

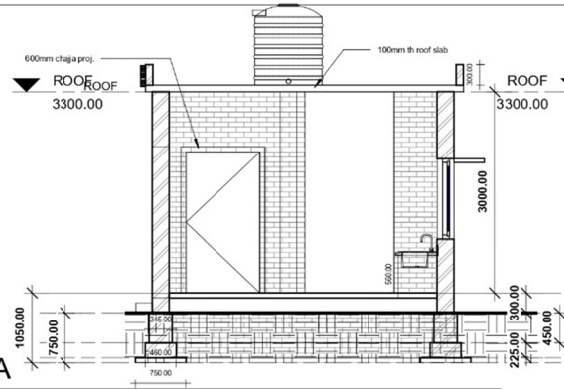
AREA STATEMENT
BUILT-UP AREA-23.05SQM

SIGN OF ENGINEER



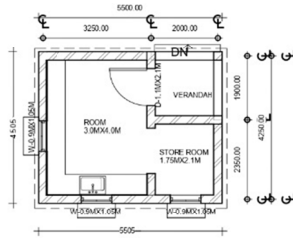
Front elevation

1 : 100



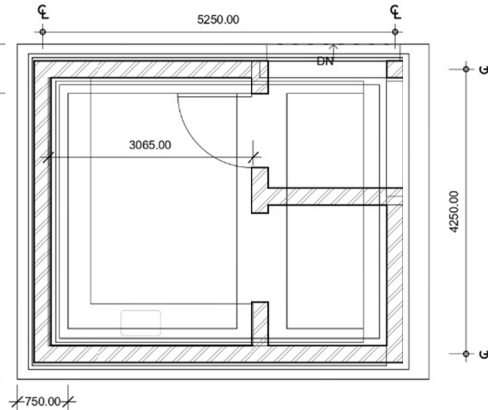
Sec on AA

1 : 50



Ground floor plan

1 : 100



Foundation Layout

1 : 50

Door Schedule				
Family and Type	Mark	Height	Width	Thickness
M, Single Flush, 1100x2100mm	D2	2100.00	1100.00	51.00
Grand total: 1				

Window Schedule					
Window Style	Mark	Sill Height	Width	Height	Remarks
	W2	800.00	900.00	1200.00	
	W3	800.00	900.00	1200.00	
	W4	800.00	900.00	1200.00	

PROPOSED BUILDING PLAN OF MDM KITCHEN, AT DIVATIYA, BLOCK/TEHSIL-GOHARGANJ, DIST: RAISEN (MP)

AREA STATEMENT

SIGN OF ENGINEER

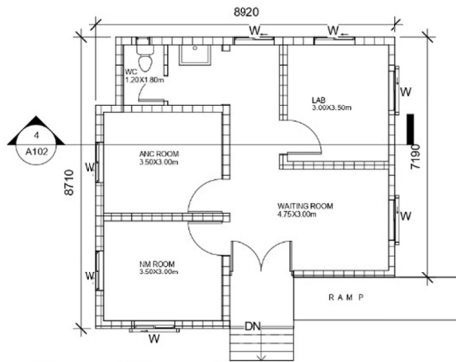
BUILT-UP AREA-24.80 SQM

**Tender**

2

Front elevation

1 : 100



1

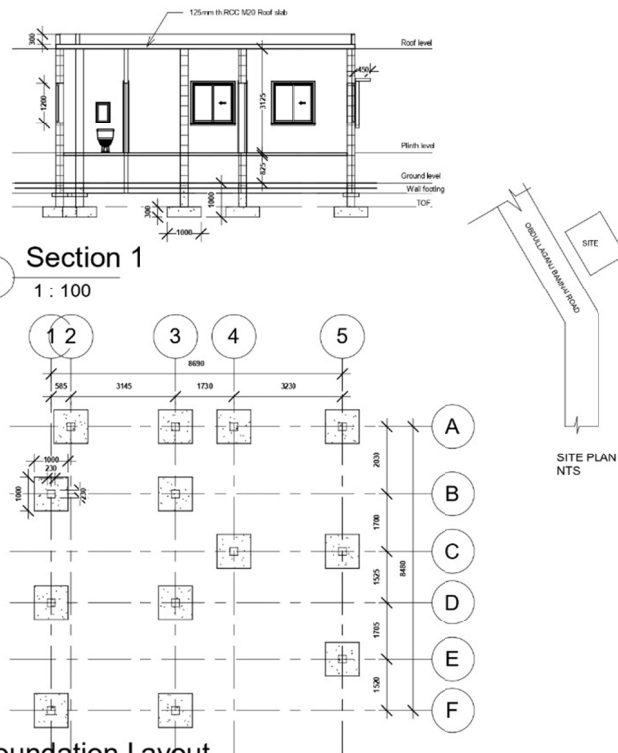
Ground floor plan

1 : 100

4

Section 1

1 : 100



3

Foundation Layout

1 : 100

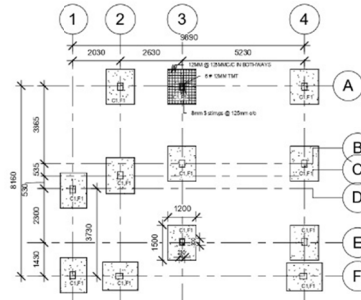
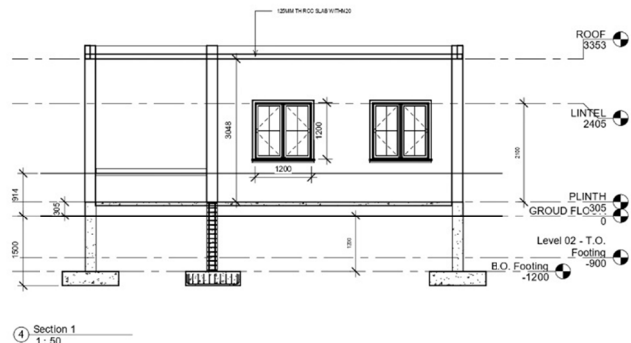
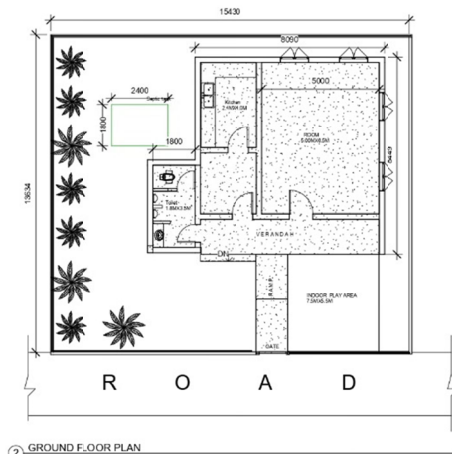
PROPOSED BUILDING PLAN FOR PUBLIC HEALTH CENTRE AT VILL- BAMNAI,
BLOCK/TEHSIL-GOHARGANJ IN THE DISTRICT OF RAISEN(MP)

AREA OF STATEMENT

SIGN OF ENGINEER

BUILT-UP AREA-76.50SQM

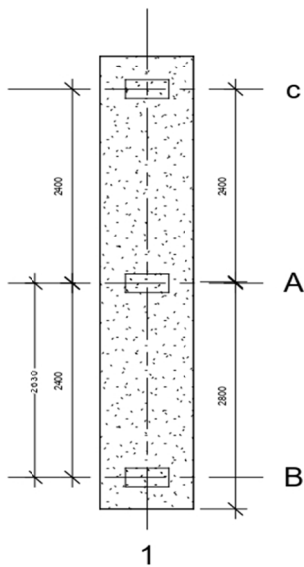




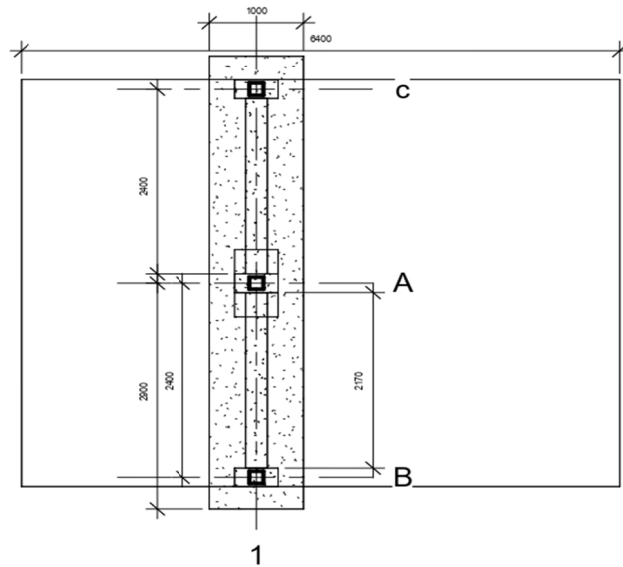
PROPOSED BUILDING PLAN FOR MODEL ANGANWADI
AT VILL DIVATIYA,BLOCK/TEHSIL
GOHARGANJ,DIST:RAISEN(MP)

AREA OF STATEMENT
BUILDING AREA-68.8 SQM

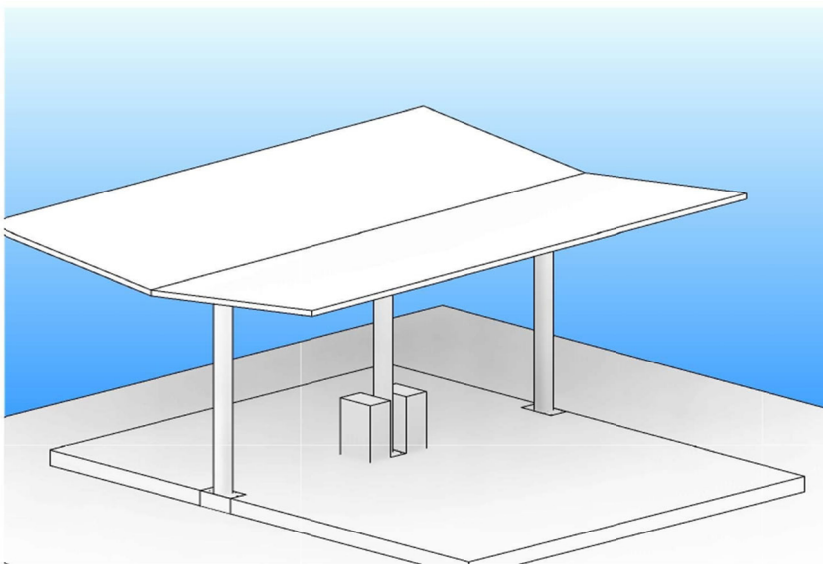
SIGN OF ENGINEER



② **Foundation Layout**
1 : 50



③ **GROUND FLOOR PLAN**
1 : 50



① **3 D EV SYSTEM**

PROPOSED EV CHARGING STATION SITUATED
AT DIST: RAISEN,MP

SIZE OF SYSTEM
6MX6M

SIGN OF ENGINEER


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Diagram for Solar-based lighting and digital solutions




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Diagram for Solar Pump (5 hp) for Agriculture and Livelihood




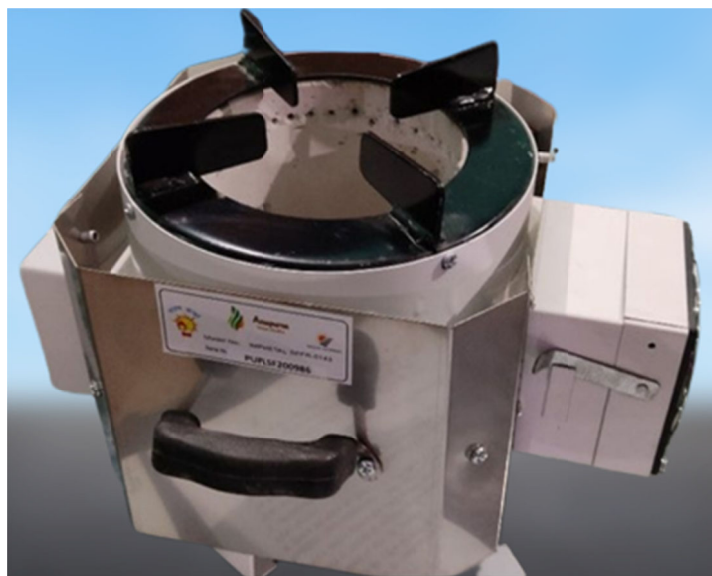
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Diagram for Integrated Domestic Energy System



Improved Cookstoves




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Diagram for Electric Rickshaw (EV)





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Diagram for Solarization of Livelihood Skill Development Centre



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Material Specifications

Sl. N	Items	Indicative Make
1	Cement	ACC/ Ultratech /Birla OPC
2	Submersible Pumps	Kirloskar/Crompton/OSWAL/CRI/Equivalent
3	UPVC Pipe	Prince SDR11/ Plasto/Vectos/Supreme/TRUFL/ Aashirwad/ Finolex etc.
4	Bib Cock	Gravity or best Available in local Market
5	Paints	Asian/ Berger
6	Urinals, WC, and wash basin	Hind ware/Cera or best Available in local Market
7	Tiles	Kajaria/ Nitco /Johnson or best available in local market
8	Stone	Kota
9	Bricks	First Class Available in local Market
10	Sand & Grit	Available in local Market
11	Stone Boulders	Available in local Market
12	PVC water tank	Sintex/Plasto/Vectos etc. or best Available in local Market
13	RO	i. Multigrade filter ii. Activated carbon filter. iii. Antiscalent dosing system iv. R.O. system200LPH
14	Water Cooler	Capacity 40 liter/hour, Usha Company/Voltas/Blue Star/Equivalent

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Part 6: Financial Bid

TENDER NO.: **TERI/MAT/2023-24/20**

Name of the Firm: -----

Price Bid for Integrated rural development of communities for Social development in and around Mandideep in Madhya Pradesh.

Table 6: Price Schedule and Annexure A

S. No.	Item Details	Quantity	HSN /SAC Code	Rate per unit	GST	Total amount in INR
1	Installation of Solar Street lighting in selected villages	100 nos.				
2	Provision of 1000 Integrated Domestic Energy Systems (IDES) for households with 25% co-funding	1000 nos.				
3	Solar Marts for IDES	4 nos.				
4	Solar-based lighting and digital solutions	30 no.				
5	Two Skill Development Infrastructure & Activities: A -Refurbishment of Livelihood centre B -Sewing Machine, Phenyl Making, Papad Making, Pickle Making & Millets Making Machine of livelihood activity C- Solarization of Livelihood skill development centre	2 nos.				
6	Solar Pump (5 HP) with 10 % co-funding for agriculture and livelihood	8 nos.				
7	Provision of electric rickshaws with 50% cofounding	10 nos.				
8	Battery Swapping	5 nos.				
9	EV Charging Station	2 nos				
10	Certified training programs (around 100 people) on EV adoption	100 nos.				
11	Development of schools (purified drinking water, sanitation, mid-day meal kitchen and solarization)	5 nos				
12	Development of Public Health Centers (purified drinking water, sanitation, medical equipment and solarization)	5 nos.				
13	Development of Anganwadis (purified drinking water, sanitation, mid-day meal kitchen, play area, solarisation, overall refurbishment)	5 nos.				
	Total amount in INR					
	GST @..... in INR					
	Grand Total in INR					
	Grand Total in words					

NOTES:

1. Certified that rates quoted above are as per the requirement, specification terms & conditions mentioned in the tender document.
2. The rates are inclusive of all taxes & duties, storage, transportation up to site, insurance, etc. and any other job required to properly execute the work.

To be submitted only in Part-II in financial bid.

(Signature of Bidder with seal)

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Format 1: Covering Letter

From:

(Full name and address of the Bidder)

.....

.....

To:

Head (Materials)

The Energy and Resources Institute (TERI) 6-
C, Darbari Seth Block, India Habitat Centre
Lodhi Road, New Delhi – 110003, Delhi, India

Subject: Offer in response to tender specification no.: **TERI/MAT/2024-25/20**

Sir,


We hereby submit our offer in full compliance with terms and conditions of the above tender. The bid, duly signed on each page, is submitted along with our acceptance of all specifications as well as terms and conditions.

We confirm that, we have the capability for the _____ for the given time (supporting documents in proof of capacity should be attached)

We confirm that, all the terms and conditions of the tender have been read and understood carefully before filling up the tender.

The tender is submitted in two separate envelopes named Part-I for Technical Bid & Part-II for Financial Bid only. Both the envelopes should be put into one bigger envelop super scribed 'Complete bid'

(Signature of Bidder with seal)

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Format 2: General Particulars of the Bidder

Sl. No.	Name of Bidder	
1.	Name of the Company	
2.	Registered Office Address	
3.	Year of Incorporation	
4.	Postal Address	
5.	Mobile number	
6.	Telephone, Telex, Fax Number	
7.	E-mail address	
8.	Website	
9.	PAN number (enclose a copy)	
10.	Name, designation, and mobile phone no. of the representative of the Bidder to whom all references shall be made	
11.	Anything/extra other than price of items (as mentioned in price Schedule) to be written in the price schedule	
12.	Have the Bidder to pay arrears of income tax? If yes up to what amount?	
13.	Have the Bidder ever been debarred by any Government Dept. /Undertaking/Private Company for undertaking any work?	
14.	Details of offer (please mention number of pages and number of drawings in the hard copy)	
15.	Reference of any other information attached by the tenderer (please mention no. of pages and no. of drawings)	
16.	Number of full-time technical / professional staff in the Company having experience in Civil / Engineering sector	

(Signature of Bidder with Seal)

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Format 3: DECLARATION BY THE BIDDER

(Regarding Tender No. **TERI/MAT/2024-25/20**)

I/We _____ (herein after referred to as the Bidder) being desirous of tendering for the work under the above mentioned tender and having fully understood the nature of the work and having carefully noted all the terms and conditions, specifications, etc., as mentioned in the tender document,

DO HEREBY DECLARE THAT


2. I am fully aware of all the requirements of the tender document and agree with all provisions of the tender document.
3. I can execute and completing the work as required in the tender.
4. I accept all risks and responsibilities directly or indirectly connected with the performance of the tender.
5. I have no collusion with other Bidders, any employee of TERI or with any other person or firm in the preparation of the bid.
6. I have not been influenced by any statement or promises of TERI or any of its employees, but only by the tender document.
7. I am financially solvent and sound to execute the work.
8. I am sufficiently experienced and competent to perform the contract to the satisfaction of TERI.
9. The information and the statements submitted with the tender are true.
10. I am familiar with all general and special laws, acts, ordinances, rules, and regulations of the Municipal, District, State, and Central government that may affect the work, its performance or personnel employed therein.
11. I have not been debarred/black-listed on account of their past activity from similar type of work by TERI and or Government undertaking/Department/ Any other private company.
12. This price offer shall remain valid for acceptance for 6 (six) months from the date of opening of financial bid of tender and tender terms and conditions will be valid till the time work is not completed.
13. I give the assurance to execute the tendered work as per specifications and terms and conditions.
14. I confirm the capability for _____ **identified locations and capacities as per the tender specifications.**
15. I confirm that none of my family members are working with TERI.

Or,

I hereby declare that following employees of TERI are my family members (if applicable):

(a)...

(b).....

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Format 4: Format for Earnest Money Deposit (EMD)

To,

The Energy and Resources Institute,
6-C, Darbari Seth Block,
India Habitat Centre, Lodhi Road
New Delhi – 110003, Delhi, India

Subject: Submission of EMD against Tender No. - TERI/MAT/2024-25/20

Dear Sir / Madam,


With reference to tender no. TERI/MAT/2024-25/20 dated 12/09/2024, M/s.
(Here In after called the "Bidder") having its Registered Office at
....., Enclosed Demand draft for Earnest Money Deposit (EMD) of Rs
..... in the shape of demand
draft, No dated issued by (Name of the Bank
and branch) drawn in favor of The Energy and Resources Institute, New Delhi payable at New Delhi.

Thanking you,

(Bidder Name with Stamp)

Authorized Signatory

Mandatory to read all the terms and conditions before signing the tender

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Format 5: (F/MAT/10): Performance Bank Guarantee

BG NO:

DATED:

VALID UPTO:

In consideration of the _____ (hereinafter called "the Company" which expression shall include its successors and assigns), _____ having agreed inter alia to consider as "Consultant" for providing services to TERI to add value by delivering and ensuring for the _____ the Consultant of M/s. _____ (hereinafter called the "Contractor" which expression shall include its successors assigns), for _____ to be awarded under work order no: _____ upon the "contractor" furnishing an undertaking from the Bank as hereinafter appearing in lieu of the performance bank guarantee .


We _____ (hereinafter called the "Bank" which expression shall include its successors and assigns), at the request of the bidder and with the intent to bind the Bank and its successors and assigns do hereby unconditionally and irrevocably undertake to pay the Company forthwith on first demand without protest or demur or proof or satisfaction or condition and without reference to the bidder, all sums payable by the bidder as and by way of performance bank guarantee to the Company, up-to an aggregate limit of **Rs. _____/- (Rupees _____)**

AND THE BANK DOTH HEREBY FURTHER AGREE AS FOLLOWS:

1. This Guarantee/Undertaking shall be a continuing guarantee and shall remain in full force and effect for all claims or demands made by the Company on the Bank until the Company discharges this Guarantee/Undertaking subject, however, that the Company shall have no claims under this Guarantee/Undertaking after the midnight of _____ or any written extension(s) thereof.

PROVIDED that if the aforesaid work awarded for or any part thereof shall be awarded to the Work Awarded on or before the said date, whether on the basis of accompanying work order or any other basis, then the validity of this guarantee/undertaking shall stand extended based on the request letter of the Company for all claims and demands made by the Company for further three months.

2. The Company shall have the fullest liberty without reference to the Bank and without affecting in any way the liability of the Bank under this Guarantee/Undertaking at any time and/or from time to time any wise to postpone and/or vary any of the powers, rights, and obligations exercisable by the Company against the Consultant and either to enforce or to forbear from enforcing all or any of the terms and conditions of or governing the said Work Order and/or any contract consequent upon any award of work or the securities available to the Company or any of them and the Bank shall not be released from its liability under these Presents and the liability of the Bank hereunder shall remain in full force and effect notwithstanding any exercise by the Company of the liberty with reference to any or all the matters aforesaid or by reason of any other act, matter or thing whatsoever which under law relating to the sureties or otherwise which could, but for this provision have the effect of releasing the Bank from all or any of its obligations hereunder or any part thereof, and the Bank specifically waives any and all contrary rights whatsoever.

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3. It shall not be necessary for the Company to proceed against the contractor before proceeding against the Bank and the Guarantee/Undertaking herein contained shall be enforceable against the Bank and the Guarantee/Undertaking herein contained shall be enforceable against the Bank as principal debtor notwithstanding the existence of any other undertaking or security for any indebtedness of the Consultant to the Company and notwithstanding that any such security shall at the time when claim is made against the Bank or proceedings taken against the Bank hereunder, be outstanding or unrealized.

4. The amount stated by the Company in any demand, claim or notice made with reference to this guarantee shall as between the Bank and the Company for the purpose of these presents is conclusive of the amount payable by the Bank to the Company hereunder.

5. The liability of the Bank to the Company under this Guarantee/Undertaking shall remain in full force and effect notwithstanding the existence of any difference or dispute between the contractor and the Company, the contractor and the Bank and/or the Bank and the Company or otherwise howsoever touching these Presents or the liability of the contractor to the Company, and notwithstanding the existence of any instructions or purported instructions by the contractor or any other person to the Bank not to pay or for any cause withhold or defer payment to the Company under these Presents, with the intent that notwithstanding the existing of such difference, dispute or instructions, the Bank shall be and remain liable to make payment to the Company in terms thereof.

6. This Guarantee/Undertaking shall not be determined or affected by the liquidation or winding up or dissolution or change of constitution or insolvency of the contractor or any change in the legal constitution of the Bank or the Company.

7. Without prejudice to any other mode of service, a demand or claim or other communication may be transmitted by the Company to the Bank either by post or by fax. If transmitted by fax, the transmission shall be complete as soon as acknowledged by bank.

8. Notwithstanding anything contained herein:

(i) The Bank's liability under this guarantee/undertaking shall not exceed **Rs.** _____ /- **(Rupees** _____ **)**

(ii) This guarantee/undertaking shall remain in force up-to _____ years

(iii) The Bank shall be released and discharged from all liability under this guarantee/undertaking unless a written claim or demand is issued to the Bank on or before _____ or, the date of expiry of any extension(s) thereof if this guarantee/undertaking has been extended.

The Bank doth hereby declare that the **Manager** who is authorized to sign this Guarantee /Undertaking on behalf of the Bank and to bind the Bank thereby.


This _____ day of _____ 202_

yours faithfully

Signature: _____

Name & Designation: _____

Name of the Branch: _____

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Format6: Format for Power of Attorney

(To be on non-judicial stamp paper of INR 100 as per Stamp Act relevant to place of execution.)

(a) Power of Attorney to be provided by the Bidding Company in favor of its representative as evidence of authorized signatory's authority. Know all men by these presents, we..... (Name and address of the registered office of the bidding Company as applicable) do hereby constitute, appoint and authorize Mr. /Ms.

..... (name & residential address) who is presently employed with us and holding the position of..... as our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid in response to the Tender No..... dated issued by The Energy and Resources Institute, New Delhi (hereinafter referred to as "TERI") including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the TERI may require us to submit. The aforesaid Attorney is further authorized for making representations to the TERI and providing information / responses to TERI representing us in all matters before TERI and generally dealing with TERI in all matters in connection with Bid till the completion of the bidding process as per the terms of the above mentioned Tender. We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us. All the terms used herein but not defined shall have the meaning ascribed to such terms under the tender.

Signed by the within named

..... (Insert the name of the executant company) through the hand of

Mr.

Duly authorized by the Board to issue such Power of Attorney

Dated this **day of** **Accepted**

.....

Signature of Attorney

(Name, designation and address of the Attorney)

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Attested

..... (Signature of the executant)

(Name, designation and address of the executant)

.....

Signature and stamp of Notary of the place of execution

Common seal of has been affixed in my/our presence pursuant to Board of Director's Resolution dated.....

WITNESS

1. (Signature)

Name.....

Designation.....

2. (Signature)


Name.....

Designation... .. **Notes:**

The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s).

In the event, power of attorney has been executed outside India, the same need to be duly notarized by a notary public of the jurisdiction where it is executed.

Also, wherever required, the executant(s) should submit for verification the extract of the chartered documents and documents such as a Board resolution / power of attorney, in favor of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

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Format 7: Format for experience letter

(To be submitted on the letterhead of Bidding Company)

To,

The Energy and Resources Institute (TERI),
6-C, Darbari Seth Block, India Habitat Center Complex, Lodhi Road,
New Delhi – 110003, Delhi, India
Phone: 011 2468 2100
Fax: (+91 11) 2468 2144, 2468 2145

Dear Sir,

Sub: Tender for _____

Ref:

Tender No:

Dated:

We submit our Bid/Bids for the total capacity of _____ Project Category A / B/C/D for which details of our Qualification Requirements are as below.

Experience of supply, civil work, erection, and commissioning of _____ projects:

S.No	Name and Location of the Project	Client	Size of Project (SQM)	Date of Completion	Completion Certificate/ Work Order (as annexure of this format)
					Yes/No


Yours faithfully

Signature and stamp (on each page) of Authorized Signatory* of Bidding

Company Name:

Date:

Place:

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Format 8: CA Certificate for Audited Statement

To whomsoever it may concern.

Name of Bidder	Financial year	Year of Incorporation	Annual Turnover (in Crore)

Signature and Stamp of Chartered Accountant / Statutory Auditor of

Company Name:

Date:.....

Place:.....

Mandatory to read all the terms and conditions before signing the tender