

**PROCUREMENT OF CIVIL WORKS
UNDER
NATIONAL SHOPPING PROCEDURES**

FOR

**CONSTRUCTION OF 340 MT CAPACITY WAREHOUSE
BUILDING, PROCESSING PLANT SHED 164.70 SQ.MT. WITH
ANCILLARY WORKS**

FOR

**SHIVMALHAR FARMERS PRODUCER COMPANY LTD-
PADEGAON, TQ-KHANDALA, DIST- SATARA (MH 415521)**

UNDER

**Hon. Balasaheb Thackeray Agribusiness Rural Transformation
(SMART) Project**

TENDER NOTICE

Hon. Balasaheb Thackeray Agri-business & Rural Transformation Project (SMART)
Govt. of Maharashtra is implementing World Bank assisted Hon. Balasaheb Thackeray Agribusiness And Rural Transformation (SMART) Project for developing Agriculture Commodity value chains. Shivmalhar Farmers Producer Company Limited is one of the beneficiaries under the project and inviting offline bids for the following work.

Name of work (Components)	Estimated Tender Amount in Rs.	Tender fee Rs.	EMD	Period of Completion in Months
Construction of 340 MT Capacity Warehouse and 164.70 Sq.Mt Capacity Processing Plant Shed Building with Ancillary works	68.11 Lakhs	1180/- (Rs 1000+ 18% GST)	In the form of bid security declaration	9 Months
Downloading / Sale of tender document start date	From 02/09/2023 To 18/09/2023 up to 02.00 PM			
Pre-bid meeting Date & Time	08/09/2023 at 11.30 AM			
Tender Submission end date & time	18/09/2023 up to 3.00 PM			
Technical bid opening date & time	18/09/2023 at 3.30 PM			

Tender document is available at project website <https://www.smart-mh.org> in *Procurement & tender section*. For further any updates / notices shall be published on project website only.

President

Shivmalhar Farmers Producer Co.ltd,
In Gat no.13/1,At-Padegaon, Tq-Khandala, Dist- Satara, Pin – 415521.
Contact No. 7507036815
E mail Id: shivmalharfpc@gmail.com

Pre-bid Meeting, Tender Submission & Opening place

Head
District Implementation Unit (DIU), Smart Satara
Administrative Building, 3Rd Floor, HaJari mal
Parange Chowk, Sadar Bazar, Satar – 415001.
Phone no- 02162-226822 Email id-satar.diu.smart@gmail.com

INVITATION FOR QUOTATIONS FOR CONSTRUCTION OF 340 MT CAPACITY
WAREHOUSE BUILDING, PROCESSING PLANT SHED 164.70 SQ.MT. WITH ANCILLARY
WORKS

Date: 02/09/2023

RFQ No.: SMART/Shivmalhar FPC/Works/01022-23

To

Sub: Invitation for Quotations for Proposed Construction work for CONSTRUCTION OF 340 MT CAPACITY WAREHOUSE BUILDING, PROCESSING PLANT SHED 164.70 SQ.MT. WITH ANCILLARY WORKS

Dear Sirs,

- 1) Govt. of Maharashtra is implementing World Bank assisted Hon. Balasaheb Thackeray Agribusiness And Rural Transformation (SMART) Project for developing Agriculture Commodity value chains. Project is extending up to 60% grants in the form of Viability Gap Fund (VGF) to eligible Community Based Organizations (CBO).
- 2) The SMART Project is being implemented by various Project Implementation Units. PIU Agriculture is one of the implementing unit of SMART Project. SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA, DIST- SATARA (MH 415521) is one of the beneficiaries of PIU Agriculture under the SMART project.
- 3) SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA, DIST- SATARA (MH 415521) (hereinafter referred to as CBO) is inviting quotation for the following work under the SMART Project.
- 4) You are invited to submit your most competitive quotation for the following works:-

Sr. No.	Brief Description of the Works	Approximate Value of Work (in Rs.)	Period of completion
1	Construction of 340 MT Capacity Ware House Building with Ancillary works	39,87,133.00	9 months
2	Construction of 164.70 SQ.MT. Capacity Processing Plant Shed with Ancillary works	28,24,134.00	
	Total	68,11,267.00	

- 5) To assist you in the preparation of your quotation, we are enclosing the following:
 - a) Layout Drawings of the works;
 - b) Detailed Bill of Quantities,
 - c) Technical Specifications;
 - d) Instructions to Bidders (in two sections).
 - e) Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.
- 6) You are requested to submit your bid latest by 3 PM on 18/09/2023 at following address. Opening of the technical bids will be done in the presence of bidders or their representatives at 3.30PM on 18/09/2023. The bid submission and opening shall be done at following address.

Head
District Implementation Unit (DIU), Smart Satara
Administrative Building, 3Rd Floor, HaJari mal
Parange Chowk, Sadar Bazar, Satara – 415001.
Phone no- 02162-226822 Email id-satar.diu.smart@gmail.com

- 7) We look forward to receiving your quotations and thank you for your interest in this project.

President
Shivmalhar Farmers Producer Co.ltd,
In Gat no.13/1,At-Padegaon, Tq-Khandala, Dist- Satara, Pin – 415521.
Contact No. 7507036815 E mail Id: shivmalharfpc@gmail.com

Instructions to Bidders

SECTION - A

1. Scope of Works:

SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA, DIST- SATARA (MH 415521) invites quotations for the construction of work as detailed in the table given below

Sr. No.	Brief Description of the Works	Approximate Value of Work (in Rs.)	Period of completion
1	Construction of 340 MT Capacity Ware House Building with Ancillary works	39,87,133.00	9 months
2	Construction of 164.70 SQ.MT. Capacity Processing Plant Shed with Ancillary works	28,24,134.00	
	Total	68,11,267.00	

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. Qualification of the bidder:

The bidder shall provide qualification information which shall include: -

- total monetary value of construction works performed for each year of the last 5 years;
- Report on his financial standing; (Turn over certificate issued by Chartered Accountant for last five years); and
- Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount or awards in each case.
- Should possess valid license for executing civil works as per appropriate class issued by central or state PWD or any government department.

3. To qualify for award of the contract the bidder: -

The bidder should fulfill following all qualification criteria;

- Should have GST registration
- Should possess valid license for executing civil works as per appropriate class issued by central or state PWD or any government department.
- should have achieved in at least one year an annual financial turnover of value not less than **Rs. 68 lakhs** in the last five years i.e. during FY 2017-18 to 2021-22 OR FY 2018-19 to 2022-23;
- Experience of having successfully completed similar works during last 5 years ending last day of month previous to the one in which bid is invited
 - Three similar completed works each costing not less than the amount equal to **Rs. 27 lakhs. OR**
 - Two similar completed works each costing not less than the amount equal to **Rs. 34 lakhs. OR**
 - One similar completed work costing not less than the amount equal to **Rs. 54 Lakhs.**

- e) Should not have been black listed, debarred or suspended on the date of bid opening by any of the Government organization, the World Bank Group.
- f) Should possess valid electrical license for executing building electrification works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);
- g) No contract should have been suspended or terminated and/or performance security called by an CBO(s) for reasons related to Environmental, Social (including sexual exploitation and abuse (SEA) and gender-based violence (GBV)), Health, or Safety (ESHS) requirements or safeguards in the past five years.
- h) Should not have Conflict of Interest as mentioned in the ITB 4.

4. Conflict of Interest:

Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:

- a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or
- b) receives or has received any direct or indirect subsidy from another Bidder; or
- c) has the same legal representative as another Bidder; or
- d) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the CBO regarding this bidding process; or
- e) any of its affiliates has been hired (or is proposed to be hired) by the CBO or Borrower as Engineer for the Contract implementation;
- f) has a close business or family relationship with the concerned professional staff of the Borrower or of the project implementing agency.

(*for further details refer to paragraphs 3.14 and 3.15 of the “Procurement Regulations” setting forth the World Bank’s policy on conflict of interest)

5. Bid Price

- a) The contract shall be for the whole works as described in drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating, and rewriting.
- b) The rate/price should be inclusive of all duties, GST, RCC/PEB structural design and other levies payable by the contractor under the contract
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The bidder shall fill in the prices for the Works in conformity with the bidding documents, both in figures and words.
- e) Bidder need to quote for all the items mentioned in the BOQ. If bidder failed to quote for any or more items given in the BOQ and if bidder is selected, in such case bidder has to complete the work of the said item/items without any cost.

Note: The selected contractors shall be responsible for RCC/PEB structural design required to execute the work at his cost and designing should be done by the structural designer.

6. Validity of Quotation

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

7. Tender Fee & Bid Security:

a) Tender Fee:

Bidders need to submit non -refundable tender fee in the form of demand draft in favour of **Shivmalhar Farmers Producer Company Limited** if the tender document is downloaded from the project website <https://www.smart-mh.org> OR Cash/DD receipt if tender document is directly purchased from the CBO office. If bidder fails to submit the tender fee, the bid submitted by such bidder shall be rejected

b) Bid Security :

- 1) Bidder should submit bid security declaration in the attached format. If bidder not submitted bid security declaration, the bid submitted by such bidder shall be rejected.
- 2) The Bid Security declaration shall be executed
 - a) if a bidder withdraws its bid prior to the expiry date of bid validity specified by the bidder on the letter of bid or any extended date provided by the bidder; or
 - b) During the bid process, if any information submitted found manipulated / hidden /false / mala fide in the bid
 - c) if the successful Bidder fails to
 - (i) sign the Contract or
 - (ii) furnish a Performance Security

8. Submission of bid.

- a) The bidder is advised to visit the site at his own expense and obtain all information that may be necessary for preparing the bid.
- b) Each bidder shall submit only one bid.
- c) Modification and Withdrawal of Bids – Resubmission of bid by the bidders for any number of times before the final date and time of submission is allowed.
- d) Bid shall comprise of the following 2 envelopes:
 - 1) **Envelope 1:** Technical bid
 - 2) **Envelope 2:** Financial /price bid

Note: The above both the envelopes are to be submitted in a separate sealed envelope mentioning the Technical bid and financial bid on top of the each envelop and bidders name at bottom of the envelope. Both these two envelopes shall be packed in a one outer envelope & seal it.

The sealed outer envelope will also bear the following identification: -

- Bid for CONSTRUCTION OF 340 MT CAPACITY WAREHOUSE BUILDING, PROCESSING PLANT SHED 164.70 SQ.MT. WITH ANCILLARY WORKS
- Bidder's name.....
- Bidder's address
- Bidder's contact number

1) Technical bid: (Envelop 1)

The bidder shall submit following documents in the technical envelope.

- 1) Demand draft towards tender fee if tender document downloaded from the website OR payment receipt if tender document purchased from the CBO office.
 - 2) Details of technical documents submitted (form no 1)
 - 3) Qualification information in the format (Form -2)
 - 4) Bid security declaration (Form-3)
 - 5) The declaration that the bidder is not black listed/banned by any Government department / Public Sector Undertaking/ Private Sector/ or any other agency (form no 4)
 - 6) Declaration about not have Conflict of Interest as mentioned in the ITB 4. (Form No 5)
 - 7) Turn over certificate issued by the Chartered Accountant (Form-6)
 - 8) Contractor registration certificate of appropriate class issued by the any Government organization.
 - 9) GST registration certificate
 - 10) Valid electrical license for executing building electrification works (self or sub-contractor)
- 2) Financial Bid: (Envelop 2)**
The bidder shall quote for all items given in the attached quotation format only (Form no 7 & 8).

9. Bid opening and Evaluation process:

a) Opening of Envelop - 1 (Technical Bid)

The 'Technical Envelop' of bids will be publicly opened first in the presence procurement committee and bidders' designated representatives and anyone who chooses to attend at the address on the date and time specified in the tender notice. In the event of the date specified for bid opening being declared as a holiday, the due date for opening of bids will be the following working day at the same time and venue.

b) Evaluation of Technical Bid

The evaluation of the technical bids will be carried out as per the eligibility criteria mentioned in the clause 3. The bidders fulfilling minimum eligibility criteria are declared technically qualified and eligible opening of the financial proposal.

c) Opening of Envelop - 2 (Financial Bid)

Financial envelope of technically qualified bidders shall be opened in the presence of procurement committee and bidders' designated representatives on the date and time informed by the CBO.

10. Correction of Arithmetical Errors

1. If the bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:
 - (a) if there is a discrepancy between the unit price and the line-item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line-item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line-item total as quoted shall govern and the unit price shall be corrected;

- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
2. Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction shall result in the rejection of the Bid.

11. Evaluation of Financial bids/ Quotations

To evaluate a bid, the Purchaser shall consider the following:

- (a) Financial evaluation will be done for all items together
- (b) Price adjustment for correction of arithmetic errors in accordance with ITB 10.
- (c) By applying the above evaluation criteria, the Purchaser shall determine the Most Advantageous Bid. This is the bid of the bidder that meets the qualification criteria and whose bid has been determined to be:
 - (a) Substantially responsive to the bidding document; and
 - (b) the lowest evaluated cost.

12. Information relating to evaluation of bids and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.

13. Award of contract:

- a) The CBO will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.
- b) Notwithstanding the above, the CBO reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- c) The bidder whose bid is accepted will be notified of the award of contract by the CBO prior to expiration of the quotation validity period.

14. Performance Security:

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the CBO the performance security in the form of Demand draft in favor of the CBO for an amount equivalent of 3 % of the contract price.

15. Period of Maintenance:

The "Period of Maintenance" for the work is Twelve months from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the CBO.

16. Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

SECTION - B

1. Format for Qualification Information.
2. Format for Submission of Quotation.
3. Format of Letter of Acceptance.

Details of technical documents submitted

(On bidder's letter head)

Sr. No.	List of documents to be submitted	Document page No
1	Tender fee receipt	
2	Qualification Information (form no 2)	
3	Bid security declaration (Form no 3)	
4	The declaration that the bidder is not black listed/banned by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency (form no 4)	
5	Declaration about not have Conflict of Interest as mentioned in the ITB 3. (Form No 5)	
6	Turn over certificate issued by the chartered Accountant or copy of ITRs or balance sheet	
7	Valid license for executing civil works as per appropriate class issued by central or state PWD or any government department	
8	GST registration certificate	
9	Valid electrical license for executing building electrification works.	

Signature

Name of Authorized Signatory.....

Bidder's Office Seal

Note: Bidders should submit this form along with all above mentioned required documents. Each document should be numbered. CBO reserves the right to reject the bid if any of the required documents are not submitted by the bidder along with the bid.

QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

Power of attorney of signatory of Bid.

[Attach copy]

1.2 Total value of Civil** Engineering construction work performed in the last five years (in Rs. Lakhs)

2018-19:
2019-20:.....
2020-21:.....
2021-22:.....
2022-23:.....
2023-24:.....

1.3 Work performed as prime contractor (in the same name) on works of a similar nature over the last five years.

Project Name	Name of CBO	Description of work	Contract No.	Value of contract (Rs. Lakhs)	Date of issue of work order	Stipulated period of completion	*Actual date of completion	Remarks explaining reasons for delay and work completed
1	2	3	4	5	6	7	8	9

*Completion certificate of Concern Engineer/ authorized person of client should be submitted along with the bid document.

Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Value of Contract (Rs. Lakh)	Stipulated period of completion	Value of works ** remaining to be completed (Rs. Lakhs)	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)

** Certificate of concern engineer /authorized person of client should be submitted along with the bid document

1.4 Proposed subcontracts and firms involved.

Sections of the works	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work

1.5 Evidence of access to financial resources to meet the requirement of working capital: cash in hand, lines of credit, etc. List them below and attach copies of supporting documents.

Particulars	Amount	Details
Cash in hand		
Availability of Cash flow		
Other source of fund if any		

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the CBO.

Name of Bank	Detailed Address	Contact No

1.7 Information on litigation history in which the Bidder is involved.

Other party(ies) 1	CBO 2	Cause of dispute 3	Amount involved 4	Remarks showing present status 5

If there is NO any litigation, then mention NIL.

If YES then mentioned the details column 3 and status in column 5

1.8 Contract(s) suspended or terminated and/or Performance Security called by an CBO(s) for reasons related to Environmental, Social (including sexual exploitation and abuse (SEA) and gender-based violence (GBV)), Health, or Safety (ESHS) performance during the last five years. *(If YES, mention details in the following format)*

Contract(s) suspended or terminated by an CBO(s)			
Year	Contract Identification, Name and address of the CBO, and reasons for suspension or termination	Amount of suspended or terminated	Total Contract Amount (Rs)

		portion of contract (Rs)	
Performance Security called by an CBO(s)			
Year	Contract Identification, Name and address of the CBO, and reasons for calling of performance security		Total Contract Amount (Rs)

Signature

Name of Authorized Signatory.....

Bidder's Office Seal

BID SECURITY DECLARATION
(To be submitted on the Bidder's Letter Head)

Date: *[insert date]*

RFQ Ref No.: SMART/Shivmalhar FPC/Works/01022-23

To: SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA,
DIST- SATARA (MH 415521)

We, the undersigned, declare that:

We understand that, according to your conditions, quotation must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with any CBO or project implementing unit under SMART or various offices under various Government organization / World Bank funded Projects for the period of 3 years starting from opening of the financial bids, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) have withdrawn our Bid during the period of bid validity or
- (b) having been notified of the acceptance of our Bid by the CBO during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security in accordance with the clauses of Request for Quotation.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Signature:

Name of person signing bid-security declaration:

Designation:

Name of Bidder:

Date:

Bidder's office Seal:

**FORMAT OF SELF DECLARATION WITH REGARD TO BLACKLISTING/ NON-
DEBARMENT & ESHS**

(To be submitted on the Bidder's Letter Head)

Date: *[insert date]*

Tender Ref No.: SMART/Shivmalhar FPC/Works/01022-23

To: SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA,
DIST- SATARA (MH 415521)

We hereby confirm and declare that we, M/s -----,
is not blacklisted/ De-registered/ debarred by any Government department /Public Sector
Undertaking/ Private Sector/ or any other agency for which we have Executed/
Undertaken the supply goods/ works/ Services during the last 3 years.

We also confirm and declare that no contract should have been suspended or
terminated and/or performance security called by an CBO(s) for reasons related to
Environmental, Social (including sexual exploitation and abuse (SEA) and gender-based
violence (GBV)), Health, or Safety (ESHS) requirements or safeguards in the past 5 years.

Signature

Name of Authorized Signatory.....

Bidder's Office Seal

FORMAT OF SELF DECLARATION: NOT HAVE CONFLICT OF INTEREST
(To be submitted on the Bidder's Letter Head)

Date:

Tender Ref No.: SMART/Shivmalhar FPC/Works/01022-23

To:

SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA, DIST-SATARA (MH 415521)

We hereby confirm and declare that we, M/s -----,
not have Conflict of Interest as mentioned in the ITB 4. We undertake that we shall be liable
for any punitive action in case of false declaration.

Signature

Name of Authorized Signatory.....

Bidder's Office Seal

**TURNOVER CERTIFICATE ISSUED BY CHARTERED ACCOUNTANT FIRM
(on CA's letter head)**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. (name of bidder) is having registered office at (detailed office address). The turnover of the (name of firm) for the following financial years based on the audited financial Statement is as under.

Sr. No.	Financial Year	Turnover in lakhs
1		
2		
3		
4		
5		

The above information/figures are true and authentic to the best of my knowledge and belief. I/we am/ are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of bid or at any stage, besides liabilities towards prosecution under appropriate law.

Signature of the Chartered Accountant

Name of the Firm

Registration No.

Date:

Place:
(Seal of the Chartered Accountant)

Email id:

UDIN:

Note:

1. *Turnover certificate without UDIN shall be rejected.*
2. *Turnover from unaudited financial statement shall not be considered*

**LETTER OF QUOTATION
(On Bidders Letter head)**

RFQ No:
Date of Quotation Submission:

To: SHIVMALHAR FARMERS PRODUCER COMPANY LTD-PADEGAON, TQ-KHANDALA,
DIST- SATARA (MH 415521)

Subject: Submission of Quotation for CONSTRUCTION OF 340 MT CAPACITY WAREHOUSE
BUILDING, PROCESSING PLANT SHED 164.70 SQ.MT. WITH ANCILLARY WORKS

Sir,
We have no reservations to the Invitation for Quotation Document, and offer to execute the
Works referred above in accordance with the Conditions of Contract enclosed therewith at
a Total Contract Price of –
Rs. _____ [in figures]
Rs. _____ [in words].

This quotation and your written acceptance of it shall constitute a binding contract
between us. We understand that you are not bound to accept the lowest or any quotation
you receive.

We hereby certify that we have taken steps to ensure that no person acting for us or on our
behalf engages in any type of Fraud and Corruption.

We confirm that we bound to comply with (i) the applicable Laws/ Rules/ Regulations for
protection of environment, public health and safety; (ii) the regulatory authority
conditions (if any) attached to any permits or approvals for the project;

We confirm that, if our quotation is accepted, we are responsible to submit and implement
he detailed plan to comply the entire requirement mentioned in the annexure -2 with
respect to Environmental, Social (including sexual exploitation and abuse (SEA) and
gender-based violence (GBV)), Health and Safety risks. We also confirm that we have
included all cost associated for implementation of this plan in our quotation.
We also confirm that, we are responsible for RCC/PEB structural design required to
execute the work and designing work shall be done by the structural designer.

We hereby confirm that this quotation is valid for 90 days as mentioned in Instructions to
bidders.

We have not been currently debarred or suspended by any Government Organization, the
World Bank Group.

Yours faithfully,

Authorized Signature : Date signed: _____

Name & Title of Signatory : _____
Name of Bidder : _____
Address : _____

BILL OF QUANTITIES

The approximate Bill of Quantities is indicated below to give an idea of the work which should be executed in accordance with the approved drawings and specifications to enable the bidder to furnish the Item rate wise price. Bidders may, however, note that no variations in the Item rate cost are acceptable (except where extra items are ordered by the Engineer).

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering Including shoring and strutting including All Leads & Lifts Charges etc Complete.	48.74	Cubic Metre			
2	Excavation for foundation in Hard murum in cluding removing the excavated material upto adistance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting including All Leads & Lifts Charges etc Complete.	38.01	Cubic Metre			
3	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soiling 15 cm to 20 cm thick including hand packing and compacting including All Leads & Lifts Charges etc Complete.	88.62	Cubic Metre			
4	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. Layers including watering and compacting including All Leads & Lifts Charges etc Complete.	71.76	Cubic Metre			
5	Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in	172.36	Cubic Metre			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	charge in layers of 15 cm to 20 cm including watering and compaction including All Leads & Lifts Charges etc Complete.					
6	Providing and filling in the foundation with sand of approved quality including watering, compacting including All Leads & Lifts Charges etc Complete.	15.14	Cubic Metre			
7	Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/granite/quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete ,with fully automatic microprocess or base dPLCwith SCADA enable dreversible Drum Type mixer/ concrete Batch mix plant (Panmixer) including All Leads & Lifts Charges etc Complete.	46.12	Cubic Metre			
8	Providing and laying in situ cement concrete of M-20 grade of trap / granite/quartzite/gneiss metal for R.C.C. work like raft, grillages, strips, foundations and footings of R.C.C.columns and steel stanchions including bailing-out water manually, including centering formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc complete. (Excluding reinforcement) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface including All Leads & Lifts Charges etc Complete.	11.90	Cubic Metre			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
9	Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) including All Leads & Lifts Charges etc Complete.	10.72	Cubic Metre			
10	Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed including All Leads & Lifts Charges etc Complete.	16.59	Cubic Metre			
11	Providing and laying Cast in situ/Ready Mix cement concrete in M- 20 of trap / granite/gneiss/ quartzite metal for R.C.C. fins of required thickness in positionas	1.97	Cubic Metre			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	shown on the drawings or as directed by Engineer - in-charge including steel centering, plywood / steel form work, steel props, laying/ pumping, compaction ,finishing uneven and honey combed surface with C.M.1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement, including cover block) Newly laid concrete shall be covered by gunny bag, plastic, tarp aulin etc. with fully automatic microprocess or based PLC with SCADA enable dreversible Drum Type mixer/ concrete Batchmix plant (Panmixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) including All Leads & Lifts Charges etc Complete.					
12	Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings or as directed including fixing plastic cover block of requird size at 27 Nos in per 10 Sqm to reinforcement to give a clear cover of 15mm in RCC slabs, fixing fan hook box of 100mm diameter PVC or MS material with required depth with holes or notches as required, bottom with 12mm diameter M.S. bar bend to shape with hooked ends for fan hook and painting to exposed surface, centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering	1.25	Cubic Metre			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	uneven and honeycombed surface including All Leads & Lifts Charges including All Leads & Lifts Charges etc Complete.					
13	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required including All Leads & Lifts Charges etc Complete.	2.66	Metric Tonne			
14	Providing dry rubble stone pitching 23cm (about 9) thick including all material, quarry spalls, labour including All Leads & Lifts Charges etc Complete.	22.96	Square Metre			
15	Providing Brick masonry in cement mortal 1:6 using second Class Burnt Bricks in foundation and plinth of inner walls/ in plinth of external walls including bailing out water manually, striking joints on unexposed faces ,watering and scaffolding including All Leads & Lifts Charges etc Complete.	12.27	Cubic Metre			
16	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding including All Leads & Lifts Charges etc Complete.	74.84	Cubic Metre			
17	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement	638.48	Square Metre			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding including All Leads & Lifts Charges etc Complete.					
18	Providing internal cement plaster 20mm thick in two coats in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing including All Leads & Lifts Charges etc Complete.	366.92	Square Metre			
19	Providing and fixing steel ventilat or fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain/obscured glass pans 5mm thick and approved type quality and iron oxidized fixtures and fastening with guards quare bars 12mm 10cmc /cand oil painting 2coats including All Leads & Lifts Charges etc Complete.	17.35	Square Metre			
20	Providing and applying white-wash in one coat on old/ new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down including All Leads & Lifts Charges etc Complete.	638.48	Square Metre			
21	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface including All Leads & Lifts Charges etc Complete.	638.48	Square Metre			
22	Providing neeru finish to plastered surfaces in all position s including scaffolding and curing including All Leads & Lifts Charges etc Complete.	366.92	Square Metre			
23	Providing and applying primer coat for internal wall surfaces and ceilings including scaffolding including All Leads & Lifts Charges etc Complete.	366.92	Square Metre			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
24	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces including All Leads & Lifts Charges etc Complete.	366.92	Square Metre			
B)	S.W. I - PEB Work					
25	Providing and fixing rolling shutter fabricated from steel at hsofminimum thickness 0.9mm with lock plate of 3.15 mm thickness reinforced with 35x35x5mm angle section fitted with sliding bolts and handles for both sides, deep M.S.channel section of depth and thickness not less than 65mm and 3.15mm respectively with hold fastarr angements, M.S.Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspension shaft of minimum 32mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size atopand safety device sincluding mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade castir on or mild steel and one coat of redlead primer etc. complete.(I.S.62481979) (Without mechanical gear) including All Leads & Lifts Charges etc Complete.	21.00	Square Metre			
26	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumenincluding All Leads & Lifts Charges etc Complete.	334.32	Square Metre			
27	Providing fine cement finish 1.5 mm thick over green plaster surface including scaffolding curing including All Leads & Lifts Charges etc Complete.	99.93	Square Metre			
28	Providing structural steel work in trusses, other similar trussed purlins and members with all	3.99	Metric Tonne			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anti corrosive paint and over it 2 coats of oil painting approved quality and shade including All Leads & Lifts Charges etc Complete.					
29	Providing and fixing colour coated Zinalume (R) AZ 150 (min150 gms /sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mm TCT), Hi-strength steel with min. 550 MP a yield strength, metallic hot dip coated with Aluminium- Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLOR BOND (R) steel quality super durable polyester paint coat (with in organic pigment). The paint shall have a total coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five panat nominal 180-250 mm center-to-center. The endrib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25um Zinc-Tin alloy coated, Hexhead, self-drilling screw etc. complete. (weight of profile 4.52Kilogram / Square Metre) including All Leads & Lifts Charges etc Complete.	610.09	Metric Tonne			
30	Turbo ventilator 24" MATERIAL RATES FOR SSR For Year 2022-23 including All Leads & Lifts Charges etc Complete.	8.00	No.			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
31	Providing and fixing UPVC Roof made up of 3 layers roofing material of thickness 2mm having width of 1130mm and of required Length having Tensile strength not less than 330Kilo gram/ cm ² , including fastening with self drilling screw having washers made of stainless steel including All Leads & Lifts Charges etc Complete.	27.60	Square Metre			
32	Providing and fixing steel window of various sizes as per detailed drawing without hotdip zinc coating, with out ventilators, including fabricating/ glazing with plain/ obscured glass panels of approved type and quality, iron oxidised fixtures and fastenings, finishing with oil painting two coats including All Leads & Lifts Charges etc Complete.	7.20	Square Metre			
33	Royalty					
	Royalty Charges for Sand	21.07	Cum			
	Royalty Charges for Rubble & HM	260.98	Cum			
34	Material Testing Charges					
	a) Cement Standard Consistency, Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness.	2.00	Nos.			
	b) FINE AGGREGATE Fineness Modulus (Sieve Analysis), Silt & Clay Content	2.00	Nos.			
	c) COARSE AGGREGATE Basic Test	2.00	Nos.			
	d) CONCRETE					
	i) Compressive Strength OF C.C. Cube (Set of 3 cubes).	6.00	Nos.			
	ii) Concrete Mix Design (With all Tests on basic materials)	2.00	Nos.			
	e) BRICKS					
	Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	2.00	Nos.			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	f) RUBBLE Crushing Value/Compressive Strength, Water Absorption & Specific Gravity	2.00	Nos.			
	g) STEEL					
	Tensile strength Yield stress, ultimate tensile stress. %elongation, weight per running meter, Bend/Rebend test. (Set of 3 Bars) UP to 16mm	2.00	Nos.			
	h) Murum In Plinth					
	Plasticity Index	2.00	Nos.			
	i) Grade I&II					
	Grardation, Water Absorption, Impact Value, Combined Flakiness & Elongation of single metal	4.00	Nos.			
	j) HM and E/W					
	i) Plasticity Index for Murum	1.00	Nos.			
	k) 75 mm MPM					
	i) Grardation					
	ii) Combined Flakiness & Elongation of single metal	1.00	Nos.			
	l) Carpet Sealcoat					
	i) Binder Content	1.00	Nos.			
	ii) B. M. Mix Design with all Tests on aggregate (Excluding bitumen) (Testing of iii) Bitumen shall be seperately Charged)	3.00	Nos.			
	iv) Penetration, Softening Point, Flash & Fire Point, Specific Gravity	1.00	Nos.			
	v) Extraction Test.(Bituminous mix)	2.00	Nos.			
	vi) Viscosity	1.00	Nos.			
C)	S.W. II - W.H. Internal bituminous Roads					
35	Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the	318.00	Sqm			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	area including All Leads & Lifts Charges etc Complete.					
36	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with Vibratory roller. to the required density. By Mechanical Means - Grading I (Using Screening Type A (13.2 mm Aggregate) including All Leads & Lifts Charges etc Complete.	35.78	Cum			
37	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting with vibratory roller to the required density. By Mechanical Means - Grading II (Using Screening Type B (11.2 mm) Aggregate)including All Leads & Lifts Charges etc Complete.	16.70	Cum			
38	Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm. stone metal layers 100% crusher broken metal with	198.75	Sqm			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	conical crusher plant heating and spraying the bitumen of specified grade @ 2 Kilogram/Square Metre, spreading 12 mm.size chips compacting with three wheel static roller having weight 8 to 10 MT. to achieve the desired degree of compaction as per Technical Specification Clause 506 etc. complete. (VG-30 bulk bitumen) including All Leads & Lifts Charges etc Complete.					
39	Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates premixed with bituminous binder @ 1.56 Kg/Sqm transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction but excluding prime / tack and Seal coat. For Bitumen of specified grade--USING drum mix type hot mix plant, Paver and Vibratory roller (Over MPM Surface) (VG-30 bulk Grade 60/70) including All Leads & Lifts Charges etc Complete.	198.75	Sqm			
40	9 MM SEAL COAT: Providing and laying of Type A 9 mm premix seal coat with HMP of Sqm appropriate capacity crushed stone chiping 6.7 mm size and penetration bitumen of specified grade @ 1.2 kg/Sq.m, preparing existing road surface by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT etc. complete. (VG-30	198.75	Sqm			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	bulk Grade 60/70) including All Leads & Lifts Charges etc Complete.					
41	Supplying hard murum/ kankar at the road site, including conveying and stacking including All Leads & Lifts Charges etc Complete.	28.62	Cum			
42	Spreading hard murum/ soft murrum/ gravel or kankar for side width including All Leads & Lifts Charges etc Complete.	28.62	Cum			
43	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering including All Leads & Lifts Charges etc Complete.	286.20	Sqm			
D)	S.W. III - W.H. Electrification work					
44	Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 6 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL 7-1-9	8.00	Running Meter			
45	Making trench in soft soil having 0.75 m depth and minimum 0.3 m width for laying provided cables up to voltage level of 1.1kV complete As per specification No. CW-EXN-CTR 16-1-1	4.00	Running Meter			
46	Making trench in Hard murum/Tar road having 0.75 m depth and minimum 0.3mtr width as per IS for laying provided cables up to voltage level 1.1Kv cable complete as per specification No. CW-EXN-CTR 7-2-5	3.00	Running Meter			
47	Supplying and erecting mains with 3x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places as per specification No: WG-MA/BW 5-12-1	8.00	Running Meter			
48	Supplying & erecting CRCA sheet metal enclosures of 1.2mm thickness with 10A, 2 pin plug & earth socket and 10A, 3 pin plug top with 10A single pole MCB having rated	3.00	Number			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	short - circuit breaking capacity (Icn) 10kA complete erected on angle iron / GI frame. 5-4-10					
49	Point wiring for light/fan/bell in 20 mm FRLS grade HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire with flush type switch and required accessories as per specification No: WG-PW/SW 1-7-3	8.00	Number			
50	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22 /E-27 base. 2-8-11	1.00	Number			
51	Supplying and erecting integrated LED street light fitting 18 to 22W IP65 & IK08 class having single piece pressure die-cast aluminium housing, having system lumens output of Min. 1800 Lumens, min. efficacy of 100 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.95, operating range of 140- 270V, inbuilt surge protection of 10 kV, Life class of 50,000 Hrs. at L70B50, including driver complete with 3 Years warranty as per specification No FGODF/ FLS2. 2-4-1	4.00	Number			
52	Supplying and erecting Street light bracket made from 40 mm. dia 'B' class G.I. Pipe, 0.6m. in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG- BKT/BPC 2-7-2	4.00	Number			
53	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP 9-1-1	1.00	Number			
54	Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per specification no. EA-EP 9-1-4	1.00	Number			
55	Supplying, erecting & marking DPMCB 6A to 32A, C-series with rated short -circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB 5-3-6	1.00	Number			
56	Supplying, erecting & marking SPMCB 6A to 32A, B-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB 5-3-3	1.00	Number			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
57	Supplying and erecting GI sheet 1.6 mm (16 SWG) having zinc coating of 350 microns with galvanization process compliance to IS 2629:1985 to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint. 6-1-6	0.75	Square Metre			
58	Supplying and erecting marine (Waterproof) plywood 18/19 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners, supports, nut bolts etc. complete with compliance to IS 720:2010 6-1-14	0.75	Square Metre			
59	Supplying & erecting triple pole and neutral distribution board (TPNDB), 3 pole/ 4 pole MCCB as incomer & outgoing SP MCB (12 poles) or TP MCB of 4 ways (12 poles), with door, 1.2mm thickness, surface/flush mounted, on iron/GI frame (vertical busbar type) as per specification no.SW-SWR/MCDB1 5-4-15	1.00	Number			
60	Supplying & erecting G.I. pipe 'A' class 25 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE 7-6-1	2.00	Running Meter			
61	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE 7-6-2	1.50	Running Meter			
62	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. 7-6-10	1.50	Running Meter			
63	Supplying & erecting CRCA sheet metal one way enclosures suitable for DP MCB /TP MCB /FP MCB erected on angle iron/GI frame complete. 5-4-23	1.00	Number			
64	Supplying & erecting single compression type brass cable glands for 3 to 4 core 6 sq mm /2 to 4 core 10 sq mm for XLPE armoured cable as per specification No.CB-GL 7-7-2	4.00	Number			
65	Supplying and erecting Ceiling rose / Batten holder / Slanting holder /hanging cord switch / hanging bell push	4.00	Number			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	/ pendant holder bakelite base 6A. erected on filled polypropylene board or polished double wooden block/ PVC junction box. 1-5-7					
66	Point wiring for independent plug in 20 mm metal conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW 1-7-2	2.00	Number			
67	Wiring for plug on board with Switch socket surface/concealed type, copper wiring and earthing and with modular accessories as per specification No: WGPW/ CW 1-7-26	2.00	Number			
68	Supplying and erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW 1-3-2	10.00	Running Meter			
69	Supplying and erecting mains with 2x4 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No: WG-MA/BW 1-3-3	6.00	Running Meter			
70	Supplying and erecting modular type D.P. switch 32A with indicator, duly erected on provided plate and box with wiring connections complete. 1-6-8	1.00	Number			
71	Supplying, erecting and marking double pole isolator only switch version of miniature circuit breaker of 40A with required wiring connections and lugs etc.in provided distribution board. 5-3-14	1.00	Number			
72	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B- 22 / E- 27 base. 2-8-9	2.00	Number			
73	Supplying and erecting IP65 and IK08 rated UV shielded polycarbonate waterproof and dustproof industrial grade LED fitting (4 feet) max. 36W with high transitivity diffuser with system lumens output of min. 4300 lumens , min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50 , IP20 rated, including driver with auto cutoff & auto restart feature at 325V with end	4.00	Number			

Sr. No.	Item	Quantity	Unit	Unit Rate in Rs. inclusive of all duties, GST, other levies etc.		Total Amount in Rs.
				In figures	In words	
	caps on PVC lock/wooden board with 3 years warranty. 2- 2-1					
74	Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG- FN/CF 2-10-2	1.00	Square Meter			
75	Supplying and erecting ding dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on olished double wooden block/sunmica block of suitable size. 2-3-13	1.00	Number			
76	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6m. in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG- BKT/BPC 2-7-1	4.00	Number			
77	Supplying & erecting CRCA sheet metal one way enclosures of 1.2mm thickness suitable for DP MCB /TP MCB/FP MCB/RCCB/RCBO complete erected on angle iron/GI frame. 5-4-13	1.00	Number			
78	Supplying, erecting and marking four pole isolators only switch version of miniature circuit breakers of 40A in provided distribution board. 5-3-18	1.00	Number			
79	Management Strategies and Implementation Plan (MSIP) to manage the Environmental, Social, Health and Safety (ESHS) risks and ESHS Code of Conduct	Job	LS			
Total Amount inclusive of all in Rs.						

Note: The total amount mentioned in the form-7 should be same as mentioned in the BOQ.

We agree to execute the works in accordance with the terms and conditions mentioned in the invitation for quotation document , approved drawings and technical specifications at a total fixed contract price of Rs...../- (amount in figures) (Rs.only amount in words).

Signature

Name of Authorized Signatory.....

Bidder's Office Seal

Management Strategies and Implementation Plan (MSIP) to manage the Environmental, Social, Health and Safety (ESHS) risks and ESHS Code of Conduct

The policy goal, as a minimum, shall be to integrate environmental protection, forest and biodiversity conservation, pollution prevention, promote resource use efficiency, waste management, community health and safety measures and protection of cultural heritage sites during designing and execution of the civil works. It is also to promote gender equality, child protection, vulnerable people (including those with disabilities), sexual harassment, gender-based violence (GBV), sexual exploitation and abuse (SEA), HIV/AIDS awareness and prevention in the planning processes, programs, and various activities involved in the execution of the works.

The Bidder shall accordingly submit a comprehensive and concise Management Strategies and Implementation Plan (MSIP) to manage the Environmental, Social (including sexual exploitation and abuse (SEA) and gender-based violence (GBV), Health and Safety (ESHS) risks, and ESHS Code of Conduct.

The Plan shall include;

1. Management of construction debris (silt, oil, solid waste, wastewater, etc.) and traffic management plan to ensure safety of local communities and ecosystem from construction activities
2. Abatement plan for environmental pollution, re-vegetation of construction site and sensitization of workforce
3. Water resource protection plan to prevent contamination of drinking water;
4. Boundary marking and protection strategy to prevent depositing on private land and offsite adverse impacts;
5. Gender based violence and sexual exploitation and abuse (GBV/SEA) prevention and response action plan
6. Mobilization strategy
7. Worker's camp management plan including the process for mitigating construction related impacts on local community
8. Occupational health and safety plan of the workforce
9. Child Protection Plan
10. Capacity building/training Plan
11. HIV/AIDS awareness and prevention plan
12. Prevention and mitigation plan of COVID-19

The plan shall describe the actions, materials, equipment, management processes, including costs etc. that will be implemented by the Contractor, and its subcontractors.

The Bidder shall document and submit the Code of Conduct that will apply to its employees and subcontractors, to mitigate ESHS risks and to ensure compliance with its Environmental, Social, Health and Safety (ESHS) obligations under the contract.

In addition, the Bidder shall submit an outline of how this Code of Conduct will be implemented and availability of qualified and trained personnel to supervise and implement the action plan. This will include how it will be introduced into conditions of employment/engagement, what training will be provided, how it will be monitored and how the Contractor proposes to deal with any breaches.

For details, please refer to the chapter no. 11 on the Construction Management Guideline and chapter no 14 on Labour Management Framework of the SMART project's Environment & Social Management Framework (ESMF) report. For accessing ESMF report,

please visit https://www.smart-mh.org/cdn//2019/08/190818171526_405e4be8b9d3ce2374fe29ce1561a62b.pdf and for EHS guideline visit <http://documents1.worldbank.org/curated/en/157871484635724258/pdf/112110-WP-Final-General-EHS-Guidelines.pdf>

**LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK**

(LETTER HEAD OF THE CBO)

Dated: _____

To: _____ [Name and address of the Contractor]

Dear Sirs,

This is to notify you that your quotation dated _____ for execution of the _____ for the contract price of Rupees _____ [amount in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of Rs. _____ (equivalent to 3% of the contract price) within 15 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in favour of(CBO) shall be valid until date 28 days after the date of issue of the Certificate of Completion i.e., up to _____. Failure to furnish the Performance Security will entail cancellation of the award of contract.

You have to submit detailed ESHS compliance plan within one week from the date of this letter of acceptance. Failure to submit the acceptable ESHS plan will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than _____ under the instructions of the Engineer, _____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and you're furnishing the Performance Security, contract for the above said work stands concluded.

Yours faithfully,

**Authorized Signature
Name and title of Signatory**

**Draft Agreement form for
ARTICLES OF AGREEMENT**

1. This deed of agreement is made in the form of agreement on _____ day _____ month _____ 20 __, between the _____ (CBO) or his authorized representative (hereinafter referred to as the first party) and _____ (Name of the Contractor), S/O _____ resident of _____¹ (hereinafter referred to as the second party), to execute the work of construction of _____ (hereinafter referred to as works) on the following terms and conditions.

2. Cost of the Contract

The total cost of the works (hereinafter referred to as the “total cost”) is Rs./- as per the final contract amount /amount reflected in final BOQ.

3. Payments under the contract:

Payments to the second party for the construction work will be released by the first party in the following manner: -

1 st R. A. Bill	25% of the total cost
2 nd R. A. Bill	20% of the total cost
3 rd R. A. Bill	20% of the total cost
4 th R. A. Bill	20% of the total cost
Final Work Completed as per Tender	15% of the total cost

3.1 (Not Applicable)

3.1 The CBO shall retain (Retention Money) 6% of the amount from each payment due to the Contractor subject to the maximum of 5% of final contract price. Half of the amount retained shall be repaid upon completion of the works, and other half shall be repaid when the Defects Liability Period has passed and the Engineer has certified that all Defects notified to the Contractor before the end of this period have been corrected. On completion of the whole works the Contractor may substitute the balance retention money with an “on demand” Bank guarantee.

3.3 Payments at each stage will be made by the first party:

- (a) on the second party submitting an invoice for an equivalent amount;
- (b) on certification of the invoice (except for the first installment) by the engineer nominated by the first party with respect to quality of works in the format in Annexure - 1; and
- (c) upon proper and justified utilization of at least 50 % of the previous installment and 100 % of any prior installment.

4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, shall issue a notice to the first party or the Engineer nominated by the first party [who is

¹In case of a firm insert ‘complete address of the firm’. In case of an individual contractor insert identification like ‘son of and resident of’ etc.

responsible for supervising the contractor, administering the contract, certifying payments due to the contractor, issuing and valuing variations to the contract, awarding extension of time etc.] to visit the site for certification of stage completion. Within 15 days of the receipt of such notice, the first party or the engineer nominated by it, will ensure issue of stage completion certificate after due verification.

5. Completion time

The works should be completed in 9 Months from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by mutual consent of both the parties.

6. If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the first party will decide on the intended completion date being extended by a suitable period:

- a) The first party does not give access to the site or a part thereof by the agreed period.
- b) The first party orders a delay or does not issue completed drawings, specifications or instructions for execution of the work on time.
- c) Ground conditions are substantially more adverse than could reasonably have been assumed before issue of letter of acceptance and from information provided to second party or from visual inspection of the site.
- d) Payments due to the second party are delayed without reason.
- e) Certification for stage completion of the work is delayed unreasonably.

7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ 0.05 % of the contract value of the work per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 5 % of the contract amount.

8. Duties and responsibilities of the first party

8.1 The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.

8.2 The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.

8.3 Possession of the site will be handed over to the second party within 10 days of signing of the agreement.

8.4 The Engineer or such other person as may be authorized by the first party shall hold meeting once in a month where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.

8.5 The Engineer shall record his observations/instructions at the time of his site visit in a site register maintained by the second party. The second party will carry out the instructions and promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified in the Engineer's notice, the first party as well as the engineer nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the engineer to have the deviations rectified at the cost of the second party.

8.6 The Engineer shall issue a Certificate of Completion of the Works on the request of the second party, and upon deciding that the whole of the Works is completed.

9. Duties and responsibilities of the second party

9.1 The second party shall:

- a) take up the works and arrange for its completion within the time period stipulated in clause 5;
- b) employ suitable skilled persons to carry out the works;
- c) regularly supervise and monitor the progress of work;
- d) abide by the technical suggestions/ direction of supervisory personnel including engineers etc. regarding building construction;
- e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification;
- f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation;
- g) keep the first party informed about the progress of work;
- h) correct the notified defects within the length of time specified by the Engineer;
- i) be responsible for all security and watch and ward arrangements at site till handing over of the works to the first party;
- j) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims from the start date to the end of defect liability period;
- k) pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law);
- l) abide by the regulatory authority conditions (if any) attached to any permits or approvals for the project; and the ESHS Management Strategies and Implementation Plan and ESHS Code of Conduct, if any prescribed by the CBO;
- m) abide by all labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authorities;
- n) abide by all enactments on environmental protection and rules made there under, regulations, notifications and by-laws of the State or Central Government, or local authorities;
- o) be responsible for the safety of all activities on the Site.

10. Variations / Extra Items

The works shall be executed by the second party in accordance with the approved drawings and specifications. No variation in cost is acceptable. However, if the Engineer issues instructions for execution of extra items, the following procedure shall be followed:-

- a) The second party shall provide the Engineer with a quotation for carrying out the extra items when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request before the extra items are ordered.

- b) If the quotation given by the second party is unreasonable, the Engineer may order the extra items and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the extra items on the Contractor's costs.
- c) The second party shall not be entitled to additional payment for costs, which could have been avoided by giving early warning.

11. Securities

The Performance Security shall be provided to the CBO no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank acceptable to the CBO. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

12.1 The CBO may terminate the Contract if the other party causes a fundamental breach of the Contract.

12.2 Fundamental breaches of Contract include, but shall not be limited to the following:

- (a) the contractor stops work for 28 days and the stoppage has not been authorized by the Engineer;
- (b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
- (d) the Contractor does not maintain a security which is required;
- (e) the Contractor has engaged in Fraud and Corruption as defined in Section C, in competing for or in executing the Contract; and
- (f) the contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid

12.3 Notwithstanding the above, the CBO may terminate the Contract for convenience.

12.4 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. Payment upon Termination

13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.

13.2 If the Contract is terminated at the CBO's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. Dispute settlement

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation.

In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Chief Engineer / Superintending Engineer, (not connected in part or whole with this Project in his service) to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

15. **Fraud and Corruption**

The World Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Section C. In further pursuance of this policy, the Contractor shall permit and shall cause its sub-contractors, sub-consultants, service providers, suppliers, agents' personnel, to permit the Bank to inspect all accounts, records, and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the Bank.

16. **Approved rates:** As per the attached annexure

Annexure I

Format of certificate

Certified that the works up to ----- level in respect of construction of ----- at ----- have been executed in accordance with the approved drawings and technical specifications.

Signature
Name & Designation
(Official address)

Place:
Date:

Office seal

Annexure-2

ESHS Compliance Plan

After finalization of a contractor, it is mandatory for the contractor to prepare and implement the Environment and Social Management Plan (ESMP). For Health and Safety of workers and community, the plan entailing the below aspects need to be prepared and implemented;

A) Social Management Plan:

1. **In case of labour influx**, (if labours are not available locally and to be outsourced from outside district/region/state) the basic residence facility (setting up of camps, provision of residence with all basic amenities) need to be provided. Due to labour influx, there may be risk of communicable disease, gender based violence among workers and community. Hence the plan to avoid/mitigate these factors also need to be prepared and implemented.
2. **At workplace** : The following provisions/measures need to be complied at workplace
 - The provision of clean drinking water, health and hygiene facilities, separate washrooms for male & female, first aid kit, child crèches for women etc.
 - Mechanism to restrict sexual harassment of women and child at construction site, mechanism to prevent child labour and bonded labour, etc.
 - For safety of workers, Safety equipment like provision of personal protection equipment (PPE) for workers, such as safety boots, helmets, masks, gloves, protective clothing, goggles, full-face eye shields, and ear protection, firefighting equipment need to be provided.
3. **Community Safety Measure:** For avoiding the accidents due to increase in traffic at local level, the plan regarding road transport and road traffic management i.e. to provide signs at strategic locations of the roads, install and maintain a display board at each important road intersection on the roads to be used during construction, display boards about information regarding construction works as well as vehicle movements and warning signs etc.. needs to be prepared and implemented.

B) Environmental Management Plan

I. Air Quality

Possible impacts during construction are dust emission due to activities such as excavation, leveling, movement of vehicles at construction site. Emission due to operation of construction machineries.

Following mitigation measures should be adopted by the contractors;

- 1) Construction materials shall be transported to the site in covered trucks, where necessary.
- 2) Land clearing for construction site will be kept at the absolute minimum practicable.
- 3) Layout should be designed to minimize the removal of soil and vegetation
- 4) Topsoil removed will be preserved for later reinstatement purposes by piling it within and along the boundary of the site.

- 5) Dust suppression systems (water spray) shall be put into service as per requirement at the construction site.
- 6) Fuel used for machineries shall be clean and with low Sulphur content.
- 7) Construction machineries used shall have a valid PUC certificate.
- 8) Construction workers shall be provided with clean fuel for cooking.
- 9) Reducing speed of vehicle on Water Bound Macadam (WBM) road within the construction site to 20 km/hr will reduce dust emission.
- 10) Vehicles used shall be Bharat Stage V or VI compliant as per the prevailing regulations.

II. Noise quality

Noise quality shall be impacted due to operation of construction machineries. Mitigation measures should be adopted are as follows;

- 1) Provision of silencers to modulate the noise generated by machines
- 2) Provision of protective devices like ear muff/ plugs to the workers who will be working in the noise prone areas.
- 3) Acoustic enclosure to D.G set shall be provided if used.
- 4) Construction activity generating noise shall be limited to the day time

III. Water Use and Quality

Following water conservation measures should be adopted;

- 1) Curing water shall be sprayed on to the concrete structures instead of free flow of water.
- 2) Concrete structures shall be covered with thick cloth/gunny bags to avoid water rebound and will ensure sustained and complete curing.
- 3) Following mitigation measures should be integrated in case of waste water generated from temporary labour tents or rainwater run-off from construction sites;
- 4) Sewage generated shall be treated in septic tank followed by soak pits.
- 5) Silt traps shall be provided prior to discharge of run-off from construction area into drains.
- 6) An oil trap shall be provided in the drainage line to prevent contamination by accidental spillage of oil and grease.
- 7) Washdown area shall be provided for cleaning of vehicle wheels and the waste water shall be drained properly. Here also a settling pit and baffled oil water separator shall be provided.

IV. Soil Quality

Possible impacts on Soil Quality are due to generation of construction waste and municipal solid waste from workers camps.

Following mitigation measures should be followed;

- 1) Construction waste generated shall be collected, segregated and disposed as per the Construction and Demolition Waste Rules 2016.
- 2) Municipal solid waste generated shall be disposed as per Solid Waste Management Rules 2016.
- 3) Used oil generated shall be collected and sold to authorized recyclers.

V. Design Elements for energy efficiency:

General measures that shall be adopted in the design for energy efficient and sustainable design of building for Warehouse, Cold Storages, etc. are as follows;

- 1) Building design shall utilize maximum natural daylight and rely minimum on artificial lighting.
- 2) Use low energy Light Emitting Diode (LED) lighting system to reduce their energy usage.
- 3) Waste management based on the concept of reduce, reuse and recycle shall be adopted to promote waste avoidance ahead of recycling and disposal.
- 4) Electrical / electronic equipment used in the facility shall be of 3 star and above rating.
- 5) Warehouse and Retails shall utilize solar energy for internal and external lighting to the extent possible.
- 6) Construction material to the extent possible shall be sourced locally to reduce carbon foot print.
- 7) Building material to the extent possible considering the design requirement shall utilize recyclable material such as fly ash bricks.
- 8) Refrigerator trucks shall be energy efficient and Bharat Stage VI and above compliant as per the prevailing norms.
- 9) Cold Storages and Retails shall use refrigerants that are environment friendly and non-ozone depleting and adhere to Ozone Depleting Substances (Regulation and Control) Rules, 2000 and its amendments.
- 10) HVAC (Heat Ventilation and Air Conditioning) system used shall be energy efficient.

