

W-5  
June -23

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

**FOR**

**Construction of Animal Holding Shed at-Takalimiya, Ta-  
.Rahuri for Pratibha CMRC, Rahuri, Tal- Rahuri , Dist-  
.Ahmednagar**

**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. . Pratibha CMRC Rahuri Takalimiya , Taluka-Rahuri , District Ahmednagar is one of the beneficiaries under the project and inviting bids for the following works.

Name of work (Components)	Estimated Tender Amount in Rs.	Tender fee Rs.	EMD	Period of Completion in Months
Construction of Animal Holding Shed at	2403934/-	1500/-	Submission of bid security declaration	6 Months
Sale of tender document		From 12/07/2023 To 26/07/2023 up to 6.00PM		
Date & Time of Pre-bid meeting		19/07 /2023 at 2.00 PM		
Tender Submission end date & time		26 /07/2023 up to 6.00 PM		
Technical bid opening date & time		28/07 /2023 at 2.00PM		

Bid document is available at the following office address and also on project website <https://www.smart-mh.org>. For further any updates / notices shall be published on project website only.

**President**  
**PRATIBHA CMRC RAHURI, Taluka Rahuri**  
**Address- Near Tathed medical Agency, college Road Rahuri**  
**Phone No-02422233103**  
**Email id-cmrcrahuri@gmail.com**  
**Mob No-9271894986**

INVITATION FOR QUOTATIONS FOR [on letter head of CBO]  
**Construction of Animal Holding Shed at Takalimiya , Taluka-Rahuri  
, District Ahmednagar.**

Date: 12/07/2023

RFQ No.:

SMART/. Pratibha CMRC Rahuri /Works/(mention outward no /2022-23

To

-----  
-----

Sub: Invitation For Quotations for Proposed Construction work for Construction of Animal Holding Shed

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. Mahila Arthik Vikas Mahamndal (MAVIM) is one of the implementing unit of SMART Project. Pratibha CMRC Rahuri Takalimiya , Taluka-Rahuri , District Ahmednagar is one of the beneficiaries of Mahila Arthik Vikas Mahamndal (MAVIM) under the SMART project.
- 3) Pratibha CMRC Rahuri Takalimiya , Taluka-Rahuri , District Ahmednagar (hereinafter referred to as employer) 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	<b>Construction of Animal Holding Shed</b>	2403934/-	Six months

- 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 provide your offer latest by 6.00 pm on 26 / 07 /2023.
- 7) Technical bid will be opened in the presence of bidders or their representatives who choose to attend at 2.00/pm on 28 / 07 /2023 in the office of Pratibha CMRC Rahuri , Taluka-Rahuri , District Ahmednagar
- 8)
- 9) We look forward to receiving your quotations and thank you for your interest in this project.

**President, Procurement Committee**  
**Name: PRATIBHA CMRC RAHURI,**  
**Taluka Rahuri**  
**Office Address : Near Tathed medical**  
**Agency, college Road Rahuri**  
**Tel no: 02422233103**  
**Email id :-cmrcrahuri@gmail.com**  
**Mob No-9271894986**

## Instructions to Bidders

### SECTION - A

#### 1. Scope of Works:

1. Pratibha CMRC Rahuri , Taluka-Rahuri , District Ahmednagar invites quotations for the construction of works as detailed in the table given below

Sr. No.	Brief Description of the Works	Approximate Value of Work (in Rs.)	Period of completion
1	<b>Construction of Animal Holding Shed</b>	2403934/-	Six months

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 (in civil engineering construction works of similar nature only ) of value not less than @ **Rs 58 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 10 lakhs** [mention 40% of the estimated cost]. **OR**
  - Two similar completed works each costing not less than the amount equal to **Rs 12 lakhs** [mention 50% of the estimated cost]. **OR**
  - One similar completed work costing not less than the amount equal to **Rs 19 lakhs** [mention 80% of the estimated cost].
- 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 employer(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 Employer regarding this bidding process; or
- e) any of its affiliates has been hired (or is proposed to be hired) by the Employer 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:**

Bidding document should be purchased from the Employer office for a non-refundable fee as indicated. Bidder may also download bidding document from aforesaid website and submit bid document cost in the form of demand draft along with the bid. 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 envelope 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 for **Construction of Animal Holding Shed at**
- 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 document fee if tender document downloaded from the website OR payment receipt if tender document purchased from the employer 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

**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 - A (Technical Bid)**

The 'Technical Envelop' of bids will be publicly opened first in the presence procurement committee members 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 closed holiday for the purchaser's office, 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 procurement committee members and bidders' designated representatives on the date and time informed by the purchaser.

**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 Employer 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 Employer 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 Employer 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 employer the performance security in the form of Demand draft in favor of the employer 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 Employer.

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)

<b>Sr. No.</b>	<b>List of documents to be submitted</b>	<b>Document page No</b>
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	

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. Employer 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 Employer	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 Employer.

Name of Bank	Detailed Address	Contact No

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

Other party(ies) 1	Employer 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 employer(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 Employer(s)			
Year	Contract Identification, Name and address of the Employer, and reasons for suspension or termination	Amount of suspended or terminated portion of contract (Rs)	Total Contract Amount (Rs)

<b>Performance Security called by an employer(s)</b>			
<b>Year</b>	<b>Contract Identification, Name and address of the Employer, and reasons for calling of performance security</b>		<b>Total Contract Amount (Rs)</b>

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.: *[insert number]*

To: *[insert complete name of Employer]*

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 employer 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.: *[insert number]*

To: *[insert complete name of Employer]*

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 employer(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.:

To:

*[insert complete name of Purchaser]*

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:

*{Bidder to mention name and address of employer}*

Subject: Submission of Quotation for Construction of Animal Holding Shed

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	
	<b>A) Shed</b>					
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 and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) Bd.A.1 Page No. 259	27.19	Cum			
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m) Bd.A.2 Page No. 259	17.55	Cum			
3	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. Bd.A. 12 Page No. 264	26.38	Cum			
4	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, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and	23.33	Cum			

	curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand Bd. E. 1 Page No. 287					
5	Providing and laying in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand Bd.F.3 Page No. 298 and B.7, Page No.38	8.42	Cum			
6	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 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 natural sand/V.S.I. quality Artificial Sand Bd.F.5 Page No. 300 and B.7, Page.No. 38	5.79	Cum			
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for	11.05	Cum			

	R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/pumping, compaction and 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 natural sand/V.S.I. quality Artificial Sand Bd.F.6 Page No. 300 and B.7, Page No.38					
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing 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 natural sand/V.S.I. quality Artificial Sand Bd.F.9 Page No. 303 and B.7, Page No.38	0.04	Cum			
9	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including 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 natural sand/V.S.I. quality	2.96	Cum			

	Artificial Sand Spec. No.: Bd.F.8 Page No. 302 and B.7, Page No.38					
10	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 complete. Bd.F.17, Page No. 306	2.169	MT			
11	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. Bd.G. 1 Page No. 313	7.41	Cum			
12	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. Bd.A.11 Page No. 263	61.59	Cum			
13	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 etc. Complete Bd.G.5 Page No. 315	28.68	Cum			
14	Providing and fixing welded mesh of 11 gauge wires having mesh size 50 mm x 25 mm including M.S Angle frame of size 35 mm x 35 mm x5 mm in position with oil painting 3 coats etc. complete	62.87	Sqm			
15	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 with neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing	157.67	Sqm			

	etc. complete. Bd. L.2 Page No. 368					
16	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 mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.Spec. No.: Bd.L.7 Page No. 369	175.24	Sqm			
17	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete.	23.64	Sqm			
18	Providing sills of polished Kadappa stone 25mm to 30mm thick, on a bed of 1:4 cement mortar including cement float, filling joints with slurry, curing polishing and cleaning etc. complete. Bd.M.29 Page No. 391	0.41	Sqm			
19	Providing and laying machine cut machine polished shahabad Stone slabs 20 to 25mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. Bd.M.22 Page No. 390	1.95	Sqm			
20	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings	3.79	Sqm			

	and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.					
21	Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without 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 complete (with guard bars 12 mm square at 10 cm c/c.)	2.16	Sqm			
22	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec.No.: Bd.O.8/Page No.406	175.24	No			
23	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. (excluding the primer coat.) etc. complete. Bd.P.5 Page No. 413	220.54	No			
24	Providing and fixing steel frame door of angle 50 x 50 x 6 mm with mild steel bars 16 mm dia. horizontally at 10mm c/c for ventilator portion including iron hold fast boxes for fixing shutters including welding, finishing, painting etc. complete.	4.20	Sqm			
25	Providing and fixing colour coated Zinalume ( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated	151.52	Sqm			

	with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyester paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um 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 pan at nominal 180-250 mm center- to-center. The end rib 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. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52					
26	Providing structural steel work in trusses, other similar trussed purlins and members with all 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 anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.	1.368	MT			
27	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, including excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S.	94.20	Sqm			

	Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete.					
28	Providing and fixing mild steel grill gate with angle iron frame 65mm x 65mm x 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/Smt.	8.55	Sqm			
	<b>B) Toilet</b>					
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 etc. complete. (LIFT UPTO 1.5 M.) Spec.No. : Bd.A.1 Page No. 259	12.15	Sqm.			
2	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 etc. complete. (LIFT 1.5 M. to 3.00 M.) Spec.No. : Bd.A.1 Page No. 259	8.10	Cum			
3	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,	2.91	Cum			

	formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand . Spec. No.: Bd. E. 1 Page No. 287					
4	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting complete. Spec.No. : Bd.A.12 Page No. 264	1.35	Cum			
5	Providing and laying in situ cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) complete, With reversible drum type concrete mixer . With natural sand. Spec. No.: Bd.F.3 Page No. 298 and B.7, Page No.38	1.73	Cum			
6	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 (Crushed sand VSI Grade) Sand Spec.	1.63	Cum			

	No.: Bd.F.3 Page No. 298 and B.7, Page No.38					
7	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 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 natural sand/V.S.I. quality Artificial Sand Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38	2.49	Cum			
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing 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 natural sand/V.S.I. quality Artificial Sand Bd.F.9 Page No. 303 and B.7, Page No.38	0.04	Cum			
9	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compactionfinishing 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	2.96	Cum			

	micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand Spec. No.: Bd.F.8 Page No. 302 and B.7, Page No.38					
10	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 complete. Bd.F.17, Page No. 306	2.169	MT			
11	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. Bd.G. 1 Page No. 313	7.41	Cum			
12	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. Bd.A.11 Page No. 263	61.59	Cum			
13	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 etc. Complete Bd.G.5 Page No. 315	28.68	Cum			
14	Providing and fixing welded mesh of 11 gauge wires having mesh size 50 mm x 25 mm including M.S Angle frame of size 35 mm x 35 mm x5 mm in position with oil painting 3 coats etc. complete	62.87	Sqm			

15	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 with neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. Bd. L.2 Page No. 368	157.67	Sqm			
16	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 mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.Spec. No.: Bd.L.7 Page No. 369	175.24	Sqm			
17	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete.	23.64	Sqm			
18	Providing sills of polished Kadappa stone 25mm to 30mm thick, on a bed of 1:4 cement mortar including cement float, filling joints with slurry, curing polishing and cleaning etc. complete. Bd.M.29 Page No. 391	0.41	Sqm			
19	Providing and laying machine cut machine polished shahabad Stone slabs 20 to 25mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. Bd.M.22 Page No. 390	1.95	Sqm			
20	Providing and fixing solid core flush door shutter in single	3.79	Sqm			

	leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.					
21	Providing and fixing steel window of various sizes as per detailed drawing without hot dip zinc coating, without 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 complete (with guard bars 12 mm square at 10 cm c/c.)	2.16	Sqm			
22	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec.No.: Bd.O.8/Page No.406	175.24	No			
23	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. (excluding the primer coat.) etc. complete. Bd.P.5 Page No. 413	220.54	No			
24	Providing and fixing steel frame door of angle 50 x 50 x 6 mm with mild steel bars 16 mm dia. horizontally at 10mm c/c for ventilator portion including iron hold fast boxes for fixing shutters including welding, finishing, painting etc. complete.	4.20	Sqm			
25	Providing and fixing colour coated Zinalume ( R ) AZ150 ( min 150 gms/sq.mt. total on each side ) profiled sheets for roofing. The feed material is	151.52	Sqm			

	<p>manufactured out of nominal 0.45 mm Base Metal Thickness ( BMT ) (0.5 mm TCT ), Hi-strength steel with min.550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLORBOND ( R ) steel quality super durable polyester paint coat ( with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um 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 pan at nominal 180-250 mm center- to-center. The end rib 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. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52</p>					
26	<p>Providing structural steel work in trusses, other similar trussed purlins and members with all 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 anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.</p>	1.368	MT			
27	<p>Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, includind excavating pits for foundation and embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c/c with iron bar</p>	94.20	Sqm			

	16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete blocks of 1:4:8 of size 450 x 450 x 670 mm including 3 coats of oil painting etc. complete.					
28	Providing and fixing mild steel grill gate with angle iron frame 65mm x 65mm x 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kilogram/Smt.	8.55	Sqm			
	<b>B) Toilet</b>					
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 etc. complete. (LIFT UPTO 1.5 M.) Spec.No. : Bd.A.1 Page No. 259	12.15	Sqm.			
2	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 etc. complete. (LIFT 1.5 M. to 3.00 M.) Spec.No. : Bd.A.1 Page No. 259	8.10	Cum			
3	Providing and laying Cast in situ/Ready Mix cement	2.91	Cum			

	concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand . Spec. No.: Bd. E. 1 Page No. 287					
4	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting complete. Spec.No. : Bd.A.12 Page No. 264	1.35	Cum			
5	Providing and laying in situ cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) complete, With reversible drum type concrete mixer . With natural sand. Spec. No.: Bd.F.3 Page No. 298 and B.7, Page No.38	1.73	Cum			
6	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	1.63	Cum			

	mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Sand Spec. No.: Bd.F.3 Page No. 298 and B.7, Page No.38					
7	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 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 natural sand/V.S.I. quality Artificial Sand Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38	2.49	Cum			
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compactionfinishing 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 natural sand/V.S.I. quality Artificial Sand Spec. No.: Bd.F.8 Page No. 302 and B.7, Page No.38	2.16	Cum			
9	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing ,	0.10	Cum			

	finishing and roughening the surface if special finish is to be provided and curing 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 natural sand/V.S.I. quality Artificial Sand Spec. No.: Bd.F.9 Page No. 303 and B.7, Page No.38					
10	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 complete. Spec. No.: Bd.F.17, Page No. 306	0.648	M.T.			
11	Filling in plinth and floors with contractors soil sand or murum in 15 cm to 20cm. layers including watering and compaction complete. Spec.No. : Bd.A.11 Page No. 263	2.68	Cum			
12	Providing brick masonry in cement mortar1:6 using second class bricks in foundation & plinth of inner walls /in plinth of external walls including bailing out water manually,striking joints on unexposed faces,racking out joints on exposed faces & watering complete. Spec.No Bd. G 1, Page No.313	3.94	Cum			
13	Providing brick masonry in cement mortar1:6 using second class bricks in superstructure including scaffolding,striking joints,racking out joints on exposed faces & watering complete. Spec.No Bd. G 5, Page No.315	8.00	Cum			
14	Providing and fixing 30mm thick factory made Poly vinyl chloried rigid foam panelled door shutters manufactured by M/s Rajshri or equivalent made from MS tube of 19 gauge thickness size 19 mmx19 mm for styles and 15 mm x	3.15	Sq.M.			

	15 mm for top and bottom rails, covered with heat moulded PVC "C" channel of 5mm thick sheet and 30mm x 50mm wide to form styles and 5mm thick and 75mm wide PVC sheet for top rail lock rail and bottom rail on either side and 5mm thick 20mm wide cross PVC sheet as gap insert for top rail and bottom rail panelling of 5mm thick PVC sheet fitted in the M.S. frame welded / sealed to the styles and rails with 5mm x 30mm PVC sheet beading on either side and joined together with solvent cement adhesive etc. complete as per manufacture's specification and direction of Engineer in charge fixed to the frames with stainless steel hinges of 75mm size, alluminium tower bolt 100mm size, alluminium handles 100 size including all material, labour, machinery etc. complete (For WC, bath shutters) (The item is exclusive of door frame).					
15	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm at every third course, properly bent and bonded at ends scaffolding, racking out joints and watering Complete. Spec.No.:Bd.G.7PageNo.316	8.10	Sq.M.			
16	Providing and fixing in position after hoisting, precast 1:2 cement mortar reinforced jali 50 mm thick with 3 mm diameter mild steel bar reinforcement, of approved design on both side, fixing in cement mortar 1:3 and curing etc. complete	0.54	Sq.M.			
17	Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels confirming to grade F.G. 150	0.00	Sqm.			

	fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 105211983).					
18	Providing internal cement plaster 6mm thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding, providing groove at joint of Burnt Brick Masonry and concrete members if necessary, curing etc. complete. Spec. No. : Bd.L.1 Page No. 367	3.65	Sq.M.			
19	Providing neeru finish to plastered surfaces for ceiling including scaffolding and curing complete. Spec. No. : Bd.L.10 Page 370	0.00	Sq.M			
20	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 with neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing complete. Spec.No. : Bd.L.2 Page No. 368,	37.17	Sq.M.			
21	Providing neeru finish to plastered surfaces for ceiling including scaffolding and curing complete. Spec. No. : Bd.L.10 Page 370	40.82	Sq,M			
22	Providing sand faced plaster externally in cement mortar using Kharsalia/Kasaba or similar type of sand,in all positions including base coat of 15mm thick in C.M. 1:4 using waterproofing compound at 1kg.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 8mm thick in C.M. 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete. Spec.No. : Bd.L.7 Page No. 369	64.91	Sq.M.			
23	Providing and laying Rectified Galzed ceramic tiles of	4.91	Sq.M.			

	Somany/ RAK/ Kajaria/ Nitco/ Asian or equivalent make of First quality ( IS 15622) having size 30 cm x 30 cm of first quality of approved colour for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing complete. Spec. No.: Bd.M.12 Page No. 385.					
24	Providing and laying Rectified Galzed ceramic tiles of Somany/ RAK/ Kajaria/ Nitco/ Asian or equivalent make of First quality ( IS 15622) having size 30 cm x 30 cm of first quality of approved colour for dado and skirting in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing complete. Spec. No.: Bd.M.12 Page No. 385.	26.87	Sq.M.			
25	Providing and fixing Orissa type white glazed earthenware 575 mm water closet pan including S trap with earthenware foot rests, cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime concrete bedding without flushing tank and its accessories etc. complete.	2.00	No.			
26	Providing and fixing partition with kadappa stone of all sizes and 25 mm thick polished on both side and edges to original including fixing in position in cement mortar 1:4 curing polish-ing, cleaning etc complete.	0.000	No.			
27	Providing, laying and fixing P.V.C. pipe of 75mm dia. with fittings such as bends, tees, reducers, clamps, etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	10.00	R.M.			
28	Providing , laying and fixing ,jointing Supreme Eco- drain 110 mm SN 8 Nu- Drain Upvc pipes or of equivalent make,	10.00	R.M.			

	manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.					
29	Providing & constructing Brick Masonry Inspection Chamber 60cm x 45cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and airtight 75 mm thick R.C.C. cover etc. complete. Spec. No. : Bd.V.43 Page No. 574,	2.00	No.			
30	Providing, hoisting and fixing in position sintex or equivalent high density polyethylene UV stabilized confirming to IS -12701 ;water storage tank with necessary connection ,testing etc. complete. Specification No. As directed by Engineer in charge.	500.00	Lit.			
31	Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete	10.00	R.M.			
32	Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete.	10.00	R.M.			
33	Providing & fixing 15 mm dia. screw down bib / stop tap of brass including necessary socket union nut , testing etc. complete. (Prior approval of sample & brand by Executive Engineer is necessary before use) Spec No. : Bd. V. 8 Page No. 554	6.00	No.			
34	Providing and fixing 25 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete.	2.00	No.			
35	Providing and applying washable acrylic emulsion paint with roller finish in 2 coats of approved colour and shade to existing surface including scaffolding, preparing the	37.17	Sq.M.			

	surface to receive paint and applying putty etc. complete.					
36	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.	64.91	Sq.M.			
	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](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](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 EMPLOYER)**

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 .....(Employer) 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 \_\_\_\_\_ (Employer) or his authorized representative (hereinafter referred to as the first party) and \_\_\_\_\_ (Name of the Contractor), S/O \_\_\_\_\_ resident of \_\_\_\_\_<sup>1</sup> (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 <sup>st</sup> R. A. Bill	25% of the total cost
2 <sup>nd</sup> R. A. Bill	20% of the total cost
3 <sup>rd</sup> R. A. Bill	20% of the total cost
4 <sup>th</sup> 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 Employer 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

<sup>1</sup>In 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 18 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 Employer;
- 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 Employer 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 Employer. 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 Employer 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 Employer 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 Employer'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.

## Layout Drawings