

## INSTRUCTIONS TO BIDDERS

### SECTION-A

#### 1. SCOPE OF WORKS

1.1. The Project Director, State Project Management Unit, Neer Nirmal Pariyojana, Assam (SPMU, NNP-Assam) (The Employer) invites quotations for the construction of works as detailed in the table given below:

Brief Description of the Works	Approximate value of Works (INR)	Period of Completion
Extension, Repair, Renovation and Upgradation of Existing Building of Morigaon District Level Laboratory	3,59,410.83	3 Months

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

#### 2. QUALIFICATION INFORMATION

2.1. The bidder shall provide qualification information which shall be the Registration Certificate as a contractor with Assam Public Health Engineering Department.

#### 3. QUALIFICATION CRITERIA

3.1. To qualify for award of the contract the bidder should be registered with Assam Public Health Engineering Department as a Class II or above grade contractor.

#### 4. BID PRICE

- (i) The contract shall be for the whole works as described in the Bill of Quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
- (ii) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- (iii) 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.
- (iv) The rates should be quoted in Indian Rupees only.

#### 5. SUBMISSION OF QUOTATIONS

5.1. The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation.

5.2. Each bidder shall submit only one quotation. Bidders shall not contact other bidders on matters relating to this quotation.

5.3. The quotation submitted by the bidder shall comprise the following:



- (i) Quotation in the format given in Section B.
- (ii) Signed Bill of Quantities; and
- (iii) Qualification information form given in Section B duly completed.

5.4. The bidder shall seal the quotation in an envelope addressed to the Project Director, SPMU, NNP-Assam. The envelope will also bear the following Identification:

- (i) Quotation for (Name of the Contract) .
- (ii) Do not open before (time and date of quotation opening).

5.5. Quotations must be received in the office of the Project Director, SPMU, NNP-Assam not later than the time and date given in the letter of invitation. If the specified date is declared a holiday, quotations shall be received upto the appointed time on the next working day.

5.6. Any quotation received by the Project Director, SPMU, NNP-Assam after the deadline for submission of quotations will be rejected and returned unopened to the bidder.

## **6. VALIDITY OF QUOTATION**

6.1. Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

## **7. OPENING OF QUOTATIONS**

7.1. Quotations will be opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in the letter of invitation.

## **8. CONFIDENTIALITY**

8.1. Information relating to evaluation of quotations 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.

## **9. EVALUATION OF QUOTATIONS**

9.1. The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (i) meet the qualification criteria specified in clause 3 above;
- (ii) are properly signed; and
- (iii) conform to the terms and conditions, specifications and drawings without material deviations.

## **10. AWARD OF CONTRACT**

10.1. 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.

10.2. 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.

10.3. 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.

## **11. PERFORMANCE SECURITY**

11.1. Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the Employer the performance security (either a bank guarantee or a fixed deposit receipt in favour of the Employer (SWSM (SPMU Account)) for an amount equivalent of 10% of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in Clause 12. Failure of the successful Bidder to furnish performance security and signing the agreement within the period stipulated shall constitute sufficient grounds for annulment of award and debarring the bidder for a period of one year, in which case the Employer may make the award to the next lowest evaluated bidder or seek quotations afresh.

## **12. PERIOD OF MAINTENANCE**

12.1. The "Period of Maintenance" for the work is six 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.

## **13. PURCHASE**

13.1. 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 Submission of Quotation.
2. Format of Letter of Acceptance.
3. Draft Agreement Form for Construction through National Shopping



## QUOTATION

**Description of the Works:** Extension, Repair, Renovation and Upgradation of Existing Building of Morigaon District Level Laboratory

To:

Subject: Construction of

Reference: Letter No dated from

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith at percentage above / below the estimated rates, i.e., for a total Contract Price of:

INR..... [ in figures ]

INDIAN RUPEES ..... [ 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 will engage in bribery or collusive arrangements with the competitors.

We hereby confirm that this quotation is valid for 45 days as required in Clause 6 of the Instructions to Bidders.

We have not been debarred/removed from approved lists/(dealing suspended) by the Central/State Governments or by the World Bank.

Yours faithfully,

Authorised Signature:

Date:

Name & Title of Signatory:

Name of Bidder:

Address:





**GOVERNMENT OF ASSAM**

**STATE PROJECT MANAGEMENT UNIT, NEER NIRMAL PARIYOJANA, ASSAM**

RWSSP-LIS, World Bank Project, 5th Floor, Redstone Building, G.S. Road, Dispur, Guwahati – 781006  
Website: [www.nnpphedassam.org](http://www.nnpphedassam.org) Phone No. 0361 – 2334345 Email ID: [assam\\_worldbank@rediffmail.com](mailto:assam_worldbank@rediffmail.com)

No. SPMU/PROC/

Date:

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

To:

1. This is to notify you that your quotation dated \_\_\_\_\_ for execution of the \_\_\_\_\_ for the contract price of Indian Rupees \_\_\_\_\_ [amount in words and figures], is hereby accepted by us.
2. You are hereby requested to furnish performance security for an amount of INR (equivalent to 10% of the contract price) within 28 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Fixed Deposit Receipt in favour of the Employer (SWSM (SPMU Account)) shall be valid till the expiry of the period of maintenance i.e. upto \_\_\_\_\_. Failure to furnish the Performance Security will entail cancellation of the award of contract.
3. You are also requested to sign the agreement form and proceed with the work not later than \_\_\_\_\_ under the instructions of the Design Build Engineer, Morigaon and ensure its completion within the contract period.
4. With the issuance of this acceptance letter and your furnishing the Performance Security, contract for the above said work stands concluded.

Project Director  
State Project Management Unit  
Neer Nirmal Pariyojana, Assam





**DRAFT AGREEMENT FORM FOR  
CONSTRUCTION THROUGH NATIONAL  
SHOPPING**

**ARTICLES OF AGREEMENT**

**1. AGREEMENT**

1.1. This deed of agreement is made in the form of agreement on \_\_\_\_\_ day \_\_\_\_\_ month, 2017 between the **Project Director, State Project Management Unit, Neer Nirmal Pariyojana, Assam** (hereinafter referred to as the first party) and \_\_\_\_\_ (Name of the Contractor), S/O \_\_\_\_\_ resident of \_\_\_\_\_ (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**

2.1. The total cost of the works (hereinafter referred to as the "total cost") is INR \_\_\_\_\_ as reflected in **Appendix 1**.

**3. PAYMENTS UNDER ITS CONTRACT**

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

Mobilisation Advance against bank guarantee	: 10% of total cost
On completion of 25% of the value of works (first stage)	: 25% of the total cost
On completion of 50% of the value of works (second stage)	: 25% of the total
On completion of 75% of the value of works (third stage)	: 15% of the total cost
On completion of 100% of the value of works (fourth stage)	: 25% of the total cost

Total cost above is excluding contingency amount

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

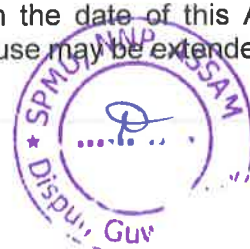
- (i) on the second party submitting an invoice for an equivalent amount; and
- (ii) on certification of the invoice (except for the first installment) by the concerned Design Build Engineer (DBE) nominated by the first party with respect to quality of works in the format in **Appendix 2**; and

**4. NOTICE BY CONTRACTOR TO DESIGN BUILD ENGINEER**

4.1. The second party, on the works reaching each stage of construction, issue a notice to the first party or the DBE nominated by the first party (who is responsible for supervising the contractor, administering the contract, certifying the payments due to the contractor, issuing and valuing variations to the contract, awarding extensions 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 DBE nominated by it, will ensure issue of stage completion certificate after due verification.

**5. COMPLETION TIME**

5.1. The works should be completed in 3 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.

5.2. 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:

- (i) The first party does not give access to the site or a part thereof by the agreed period.
- (ii) The first party orders a delay or does not issue completed drawings, specifications or instructions for execution of the work on time.
- (iii) 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.
- (iv) Payments due to the second party are delayed without reason.
- (v) Certification for stage completion of the work is delayed unreasonably.

5.3. 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 works 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 10% of the contract amount.

## **6. DUTIES AND RESPONSIBILITIES OF THE FIRST PARTY**

6.1. 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.

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

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

6.4. The DBE 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.

6.5. The DBE 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 DBE. If the deviations are not rectified, within the time specified in the DBE's notice, the first party as well as the DBE nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the DBE to have the deviations rectified at the cost of the second party.

## **7. DUTIES AND RESPONSIBILITIES OF THE SECOND PARTY**

7.1. The second party shall:

- (i) take up the works and arrange for its completion within the time period stipulated in Clause 5;
- (ii) employ suitable skilled persons to carry out the works





- (iii) regularly supervise and monitor the progress of work ;
- (iv) abide by the technical suggestions/direction of supervisory personnel including engineers etc. regarding building construction ;
- (v) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification ;
- (vi) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
- (vii) keep the first party informed about the progress of work ;
- (viii) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- (ix) 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.
- (x) 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).

## **8. VARIATIONS / EXTRA ITEMS**

8.1. The works shall be carried out by the second party in accordance with the approved drawings and specifications. However, if, on account of site conditions or any other factors, variations are considered necessary, the following procedure shall be followed: -

- (i) The second party shall provide the DBE with a quotation for carrying out the Variation when requested to do so by the DBE. The DBE shall assess the quotation, which shall be given within seven days of the request before the Variation is ordered.
- (ii) If the quotation given by the second party is unreasonable, the DBE may order the Variation and make a change to the Contract Price which shall be based on DBE's own forecast of the effects of the Variation on the Contractor's costs.
- (iii) The second party shall not be entitled to additional payment for costs which could have been avoided by giving early warning.

## **9. SECURITIES**

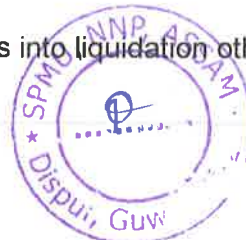
9.1. The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue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

## **10. TERMINATION**

10.1. The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

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

- (i) the contractor stops work for 28 days and the stoppage has not been authorized by the DBE;
- (ii) the Contractor has become bankrupt or goes into liquidation other than for a



reconstruction or amalgamation;

- (iii) the DBE 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 DBE;
- (iv) the Contractor does not maintain a security which is required;

10.3. Notwithstanding the above, the Employer may terminate the Contract for convenience.

10.4. 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.

## **11. PAYMENT UPON TERMINATION**

11.1. If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the DBE 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.

11.2. If the Contract is terminated at the Employer's convenience, the DBE 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.

## **12. DISPUTE SETTLEMENT**

12.1. 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.

12.2. 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 Superintending Engineer of a technical department to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 and as amendments. The decision of the Arbitrator shall be final and binding on both the parties.



## BILL OF QUANTITIES

**Name of Package:**

Extension, Repair, Renovation and Upgradation of Existing Building of Morigaon District Level Testing Laboratory

**Reference No.:**

IN-SPMU-ASSAM-22929-CW-RFQ

### SUMMARY OF COST

Part	Particulars of Items	Estimated Amount in INR	Bidder's Quotation			
			% Above/Below the Estimated Amount including GST		Quoted Amount in INR including GST	
			In Figure	In Words	In Figure	In Words
A	CIVIL WORKS	3,13,906.83				
B	ELECTRICAL WORKS	45,504.00				
	<b>GRNAD TOTAL</b>	<b>3,59,410.83</b>				

**Gross Total Cost:** INR

We agree to execute the works in accordance with the approved drawings and technical specifications at percentage above/below the estimated rates as indicated in the above Table, i.e., for a total contract price of INR \_\_\_\_\_ (amount in figures) (INDIAN RUPEES \_\_\_\_\_ amount in words).

**Signature of Contractor**

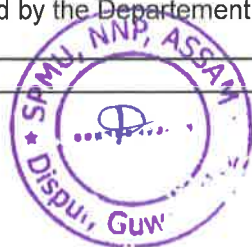


**PART A: CIVIL WORKS**

S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	23.12	Dismantling all types of corrugated/ trapezoidal sheet roofing including ridges, hips, valleys and gutters etc. and stacking the materials as directed by the department for all levels	m <sup>2</sup>	54.87	34.20	1,876.55
2	23.15	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	m <sup>2</sup>	66.61	102.60	6,834.19
3	23.20	Dismantling all types of ceiling, partition and wall lining and stacking the materials as directed by the department for all levels	m <sup>2</sup>	66.61	22.40	1,492.06
4	23.18	Dismantling and removing of the existing doors and windows frames (choukhats) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repair to the edges of walls as directed for all levels.	each	4	64.65	258.60
	(i)	Area of door/ window upto 3.00 Sqm				
5	23.9	Dismantling wood work in frames, trusses, purlins and rafters including stacking the materials as directed by the department for all levels.	m <sup>2</sup>	0.666	1,050.20	699.43
6	23.3	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed for all levels	m <sup>3</sup>	0.111	767.20	85.16
7	18.1.1	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level)				
	(b)	Other ISI approved TMT reinforcement bar (SAI/ BISCON / THERMAX) (For Assam Type Bldg., drain works, retaining wall & boundary wall etc. .	qtl	0.39	6,026.82	2,350.46
	(a)	ISI approved M.S rod	qtl	0.08	6,767.66	541.41
8	3.1.1	Providing form-work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4.0m. and removal of the same for in-situ reinforced concrete and plain concrete work.				
	3.1.1.3	Columns, pillars, posts and struts				
	(a)	Square, Rectangular, polygonal in plan or any shape like tee/L etc. having plan vertical face.	m <sup>2</sup>	4.58	364.01	1,667.17
	(ii)	Using 25mm thick plank				



S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
9	2.2.1	Providing and laying plain/reinforced cement concrete works cement with coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)				
	(l)	Using mixture machine				
	(b)	In superstructure from plinth level upto 1st floor level.				
	(b)	Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill, bend, beam, girder, bressumer, cantilever, staircase (except spiral stair case and landing) including preparing the top surface and finishing of nosing.				
	(a)	M15 or prop 1:2:4	m <sup>3</sup>	0.149	5,758.89	858.07
10	4.1.7	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar and will be measured and paid separately)				
	(A)	112mm thick brick wall				
	(b)	In cement mortar in prop 1:4	m <sup>2</sup>	17.65	653.01	11,525.63
11	18.3.1	Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using MS circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed.				
	(b)	Using other ISI marked approved circular hollow sec	qtl	7.03	8,410.00	59,122.30
12	8.1.33	Providing Pre Painted Galvanized Iron Sheet Roofing (PPGI) at all levels including fitting and fixing with self drilling, self tapping screws complete. (Roof trusses, purlins etc. to be measured and paid separately.) TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Departement				
	(a)	0.50mm thick	m <sup>2</sup>	63.99	802.77	51,369.25
13	8.1.34	Providing Pre Painted Galvanized Iron Sheet (PPGI) accessories (Ridges / Valley / Gutter /Flashing) at all levels including fitting and fixing self drilling, self tapping screws complete complete. TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Departement				
	(a)	0.50mm thick	m	22.96	398.81	9,156.68





S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
14	9.1.2	Providing dressed wood work in frame (chaukhats) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C. or brick masonry walls including supplying, fitting and fixing with M. S. flat hold fast (40mm x 3mm x 250mm) as per design and embedded in cement concrete block in prop 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C. and masonry as directed and specified.				
	(b)	With 1st class local wood (Hollock/Bonsum)	m <sup>3</sup>	0.0248	77,474.00	1,921.36
15	9.3.1	Providing wood work in frame of false ceiling partitions etc. sawn, wrought, framed hoisted and fixed in position with spikes, nails, M.S flat, angle/ cleats with bolt and nuts complete including kiricide oiling two coats to unexposed surfaces of the timber (M.S flats, angle cleats, and bolt and nuts required for flat, angle cleats wherever necessary shall be measured and paid separately)				
	(b)	With Gamari/ Bonsum/ Sundi	m <sup>3</sup>	0.4950	58,905.75	29,158.35
16	7.6.1	Providing, fitting and fixing in position plywood / hardboard partition walls with 6mm thick plyboard / hardboard (best) with horizontal and vertical Sal battens of size 50mm x 80mm spaced at not more than 1.20m apart with necessary nails, wood screws, bolts etc. complete as directed by the Department for all levels (Painting / Varnishing to be measured and paid separately).				
	(B)	6mm thick Hardboard				
	(a)	On one face of the frame	m <sup>2</sup>	63.29	596.91	37,778.43
17	5.1.4	65 mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement : 1 coarse sand : 2 coarse aggregate of size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.	m <sup>2</sup>	66.61	511.10	34,044.37
18	9.9.6	Providing fitting and fixing 1st class local wood battened, ledged and braced door and window shutters including oxidised iron butt hinges (100mmx 58mmx1.90mm) 6 nos with necessary screws.				
	(B)	With 1st class local wood				
		(Gamari/Hollock/Bonsum )				
	(i)	25mm thick	m <sup>2</sup>	4.68	3,303.39	15,459.87





S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
19	6.2.2	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed.				
	(a)	On rough side				
	(b)	In prop 1:4	m <sup>2</sup>	17.65	147.23	2,598.61
20	6.2.1	10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed.				
	(a)	On fair side				
	(b)	In prop 1:4	m <sup>2</sup>	17.65	116.85	2,062.40
21	9.4.1	Providing barge board of size 200mm x 25mm with 1st class 1st class local wood Hollock/Bonsum/Sundi timber including fitting and fixing with necy wood screws etc. complete	m	34.20	349.75	11,961.45
22	13.1.1(a)	Removing white or colour wash by steel wire brushing and/ or scraping, sand papering and preparing the wall surface smooth including necessary repairs to scratches complete.	sqm	209.28	13.57	2,839.93
23	13.2.2©	Applying one coat of distemper primer of approved brand and manufacture on wall surface after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	m <sup>2</sup>	209.28	35.17	7,360.38
24	13.2.2(f)	Distemping with dry distemper of approved brand and manufacture(two coats)and of required shade on new wall surface to give an even shade, over and including priming coat of white primer after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth.	m <sup>2</sup>	209.28	78.37	16,401.27
25	13.6.4	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting.				
	(i)	Surfaces over 100mm in width or girth.				
	(b)	With ready mixed paint , wood primer (white).	sqm	26.30	36.90	970.47
26	13.6.5	Painting one coat (excluding priming coat) on old wood and wood based surfaces with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping.				
	(i)	Surfaces over 100mm in width or girth.				
	(b)	High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	sqm	26.30	61.95	1,629.29



S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
27	15.2.1	Supplying, fitting, fixing anodised aluminium fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.( anodised to bright natural matt & satin finished )				
	(b)	Tower Bolt				
	(v)	50mm x 10mm	each	16	88.56	1,416.96
	(c)	Door handle				
	(ii)	150mm	each	11	42.43	466.73
		<b>TOTAL OF CIVIL WORKS</b>				<b>3,13,906.83</b>



**PART B: ELECTRICAL WORKS**

S. No.	APWD Building (E) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	1.1	Wiring for light/ fan/ call bell point with 2x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including 6 Amp flush type switch/ bell push (Anchor Penta/Gold medal /Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) GI/ MS switch board (ISI marked) half conceal on wall with phenolic laminated sheet cover ,ceiling rose (Anchor/Gold medal /Kolor kany.Kom / Havells or equivalent make as approved by the Deptt.) etc. complete as directed and specified by the Deptt.				
	1.1.1	Short point up to 3.00 metre. length.	each	8	502.00	4,016.00
	1.1.2	Medium point up to 6.00 metre. Length.	each	6	741.00	4,446.00
	1.1.3	Long point up to 10.00 metre. Length.	each	6	1,037.00	6,222.00
2	1.13	Wiring to 5 a pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete.				
	1.13.2	Medium point up to 6.00 metre. Length.	each	3	711.00	2,133.00
3	1.14	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system including earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete.				
	1.14.2	Medium point up to 6.00 metre. Length.	each	3	1,067.00	3,201.00



S. No.	APWD Building (E) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
4	1.8	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface flat ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system including earth continuity.				
		With 2 x 4 sq. mm. + earth continuity with 1x2.5 sq. mm. cable in flat 19 mm ISI marked casing 'n' capping system.	m	76.0	192.00	14,592.00
5	12.2	Supplying fixing I.C.T.P and N link Main Switch with rewire able fuses of 500 Volt grade( HPL/ GEICO / ANCHOR or equivalent make) including drilling boards/iron frames and fixing with bolts and nuts and connection as approved by the Deptt.)complete as required				
		30/32 Amps Capacity T.P. N	each	2	1,154.00	2,308.00
6	11.1	Supplying and fixing of batten holder (Anchor Penta PC CHERRY /Gold medal /Kolor kany.kom/Havells or equivalent make as approved by the Deptt.) including connection as approved by the Deptt.)as required Without Lamp				
		30/32 Amps Capacity T.P. N	each	8	55.00	440.00
7	22.8	Supply, installation & testing of G.I. earth station with perforated 50 mm dia and 3.00 Metre long heavy duty G.I. pipe with necessary 50 mm dia. G.I. Fittings such as Socket, Tee, elbow, nipple and 65 mmx50 mm G.I. reducing socket for funnel including locking arrangement 300 mmx300 mmx6 mm hinged cover C.I. earth plate complete with digging of earth pit, construction of brick chamber and plastering of both inner & outer surface of wall as specified and directed by the deptt .				
		30/32 Amps Capacity T.P. N	each	1	5,342.00	5,342.00
8	22.12	Extra for using salt (5 K and Charcoal (64 K in pipe Earth Station pit to provide low impedance ground in location of high soil resistivity as and when required and specified by the Deptt.				
		30/32 Amps Capacity T.P. N	each	1	2,804.00	2,804.00
		<b>TOTAL OF ELECTRICAL WORKS</b>				<b>45,504.00</b>



### FORMAT OF CERTIFICATE

Certified that the works upto ..... level in respect of  
construction of ..... at ..... have been executed  
in accordance with the approved drawing and technical specifications.

Signature  
Name & Designation  
(Official address)

Place :

Office seal

Date :

