

INSTRUCTIONS TO BIDDERS

SECTION - A

1. SCOPE OF WORKS

1.1. The Project Director, State Project Management Unit, Neer Nirmal Pariyojana, Assam (GPMU, 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 (Rs.)	Period of Completion
Repair, Renovation and up-gradation of existing building of Kamrup District Level Laboratory	465645.07	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 the 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 **"Repair, renovations and up-gradation of existing building of Kamrup District Level Testing Laboratory"**.
- (ii) Do not open before **"15.30 Hours (IST) of 14 June 2019"**.

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 up-to 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 **60 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 authorized 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 pledge 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

(To be submitted in contractor's letter head)

To:
The Project Director,
State Project Management Unit,
Neer Nirmal Pariyojana, Assam,
5th Floor, Redstone Building,
G.S. Road, Dispur, Guwahati-781022
Assam, India.

Subject: **Repair, Renovation and Up-gradation of existing Building of Kamrup District Level Testing Laboratory**

Reference: 1. IN-SPMU-ASSAM-22921-CW-RFQ
2. No. SPMU/TECH/LAB/239/2017-18/ 6479 Date: 31/05/19.

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 **60 days** as required in Clause 6 of the Instructions to Bidders.

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

Yours faithfully,

Authorized Signature :

Date:

Name & Title of Signatory :

Name of Bidder :

Address



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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-781022
Web Site: [https:// phennp.assam.gov.in](https://phennp.assam.gov.in) Phone no: 0361-2334345 Email ID: assam_worldbank@rediffmail.com

No. SPMU/TECH/LAB/239/2017-18/ —

Date: —

LETTER OF ACCEPTANCE CUM NOTICE TO PROCEED WITH THE WORK

To,

Ref. No: **IN-SPMU-ASSAM-22921-CW-RFQ**

1. This is to notify you that your quotation dated _____ for execution of the **Repair, Renovations and Up-gradation of existing building of Kamrup District Level Testing Laboratory** for the contract price of 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 15 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Fixed Deposit pledge in favour of Employer (**WSM (SPMU Account)**) shall be valid till the expiry of the period of maintenance i.e. up-to _____. 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, (DBE), Kamrup 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 2019 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 **"Repair, Renovations and Up-gradation of existing building of Kamruo District Level Testing Laboratory"** (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 INDER ITS CONTRACT:

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

Mobilization Advance against Bank Guarantee	:	10 % of total cost
On completion of 25 % of the value of works (First Stage)	:	25 % of total cost
On completion of 50 % of the value of works (Second Stage)	:	25 % of the total cost
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 is excluding contingency amount

3.2 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 Design Build Engineer (DBE) nominated by the first party with respect to quality of works in the format in **Appendix - 2**; 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 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:
- 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.
- 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. @ Rs. 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 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:

- 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) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- i) 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.
- f) 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:-

- a) 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.
- b) 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.

- c) 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:
- (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 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;
 - (d) 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, PWD 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.



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APPENDIX 2

FORMAT OF CERTIFICATE

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

Place :
Date :

Signature
Name & Designation
(Official address)

Office seal



BILL OF QUANTITIES

Name of Package: Repair, renovation and upgradation of existing building of Kamrup District Level Testing Laboratory at Guwahati.

Reference No: IN-SPMU-ASSAM-22921-CW-RFQ

SUMMARY OF COST

Part	Particulars of Items	Estimated Amount in INR	Bidder's Quotation			
			% Above / Below the estimated Amount in INR <u>including GST</u>		Quoted Amount in INR <u>including GST</u>	
			In Figure	In Words	In Figure	In Words
A	Repairing and Development of District Level Laboratory (DLL) Building	241561.07				
B	Installation of Air Conditioner at District Level Laboratory (DLL) Building	131286.00				
C	Repairing of Internal Electrification of District Level Laboratory (DLL)	92798.00				
GRAND TOTAL		465645.07				

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 contract price of INR _____ (amount in figures) (INDIAN RUPEES _____ amount in words)

Signature of Contractor



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Part A:Repairing and Development of District Level laboratory (DLL) Building

S. N.	APWD Building (CW) SOR 2013-14	Particulars of Items	Unit	Rate (in INR)	Qty.	Amount (in INR)
1	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	Rs.6,026.82	0.71	4279.04
2	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 in:				
	3.1.1.3	Columns, Pillars, Posts & Strut				
		(a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face				
		(ii) Using 25mm thick plank	Sqm	Rs.364.01	3.32	1208.51
	3.1.1.4	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.				
		(ii) Using 25mm thick plank	Sqm	Rs.202.44	2.85	576.95
3	2.2.1.	Providing and laying plain/reinforced cement concrete works cement, 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)				
		(I) Using Mixer Machine (B) In super structure from plinth level up to 1st floor level.				



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		ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing) including preparing the top surface and finishing of nosing.				
		N) Without using admixture, plasticiser				
		a) M15 grade concrete or Prop. 1:2:4	cum	Rs. 5,758.89	Rs. 0.31	1785.26
4	4.1.8	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 embeded in cement mortar and will be measured and paid separately)				
		(A) 112mm thick brick wall				
		(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sqm	Rs. 653.01	14.45	9435.99
5	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 cement mortar 1:4	Sqm	Rs. 147.23	14.45	2127.47
6	5.7.2.1	Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the				
		a) Normal range Somany/ Orient/Nitco /Varmora/VITA/ Marbito/ Make				
		ii) Of size 600mmx600mm and above	Sq.m	Rs.1,483.13	30.65	45457.93
7	11.4.1	Providing, fitting and fixing anodised aluminium partition walls of standard sections of approved brand, joints mitred and welded (manufactured to relevant I.S. specification) and providing and fitting angle cleat, rubber gasket, bolting device screws etc. at all levels.				
		(iv) Prelaminated Board	Sqm	Rs.3,225.66	20.07	64739.00



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8	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	Rs.13.57	395.66	5369.11
9	13.3.4	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm)				
		(i) Thickness = 1.5 mm thick	Sqm	Rs.66.60	410.11	27313.33
10	13.2.2.	c) 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.	Sqm	Rs.35.17	410.11	14423.57
11	13.4.1.	Wall painting (two coats) with acrylic emulsion paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth.				
		(a).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	Rs.71.17	238.72	16989.70
12	13.4.2.	Extra over item no 13.4.1 above for every subsequent coat of wall painting with acrylic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).				
		(i).Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	Rs.49.82	238.72	11893.03
13	13.9.1	Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of Berger paint of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sqm	Rs.127.80	171.38	21902.36
14	13.6.6	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.				



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		(i).Surfaces over 100mm in width or girth.				
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	Rs.47.78	25.64	1225.08
15	13.6.7	Extra over item no13.6.5and 13.6.6 for every subsequent coat of paint.				
		(i).Surfaces over 100mm in width or girth.				
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	Rs.43.47	25.64	1114.57
16	13.7.5	Painting one coat (excluding priming coat) on previously painted steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.				
		(i).Surfaces over 100mm in width or girth.				
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	Rs.47.89	14.40	689.62
17	13.7.6	Extra over item no.13.7.4 and 13.7.5 for every subsequent coat of paint.				
		(i).Surfaces over 100mm in width or girth.				
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	Rs.43.11	14.40	620.78
18	3.1.1 (APWD SOR (WS & Sanitary)for 13-14	Supplying fitting and fixing G.I. Pipes of following sizes, with all necessary 'R' brand or similar approved G.I. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, H.W. clamps etc.complete at all levels including below G.L. as directed and specified.				
		(A) Exposed on walls				
		f) 15 mm dia (Medium)				
		i) Using Tata make	RM	Rs.206.03	24.00	4944.72
19	3.2.1	Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be measured separately)				
		Sona brand				
		(ii) Bib Cock Long Body,Code.No. RG-5022	Each	Rs.1,151.13	4	4604.52
20	3.3.1	Supplying fitting and fixing stop-cock of approved brand of size as mentioned below and directed and specified (G.I. & C.P. pipes will be measured and paid separately)				
		l) Brass stop cock (heavy) of Sant make				
		(i)15mm dia	Each	Rs.215.13	4	860.52
Total Amount (in INR)						241561.07



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Part B: Installation of Air Conditioner at District Level Laboratory (DLL) Building

S.N.	APWD Building (Elect) SOR 2013-14	Particulars of Items	Unit	Rate (in INR)	Qty.	Amount (in INR)
1	29.2	Supplying with installation testing and commissioning of Hi -- wall 3 STAR rating non ducted split type air conditioner of the following capacity with cordless remote complete with indoor and outdoor unit, copper pipe and electrical connection up to 5 m between the room unit and out door unit as approved by the Deptt.) and as directed by the department.				
	29.2.4	2 Ton capacity				
	29.2.4.1	Blue Star make) Model 3HW24TB1	Each	52878.00	2	105756.00
2	29.9	Supplying with fitting and fixing of Angle iron framing made 50 mmx50 mmx5 mm size angle iron for accommodation of 1.00 Ton to 2.00 Ton Window/split type A.C. Machine	Each	2525.00	2	5050.00
3	29.10	Supplying fitting fixing and connection as approved by the Deptt.) 1/2 inch & 3/4 inch copper piping with insulation along with connection as approved by the Deptt.) cable including testing and commissioning as directed by the department.	Each	890.00	2	1780.00
4	31.1	Supplying with fitting and fixing Voltage stabilizer of the following specification complete including making necessary connection as approved, specified and directed by the deptt. (SKYLAND / Vee-Dee / V GUARD / VERTEX/ INDO/ VENUS make)				
	31.1.8	5.0 KVA Automatic Input 90-280 V Out put 200-240 V	Each	9350.00	2	18700.00
Total Amount (in INR)						131286.00



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Part C: Repairing of Internal Electrification of District Level Laboratory (DLL) Building

S.N.	APWD Building (Elect) SOR 2013-14	Particulars of Items	Unit	Rate (in INR)	Qty.	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	502.00	8	4016.00
	1.1.2	Medium point up to 6.00 metre. Length.	Each	741.00	12	8892.00
	1.1.3	Long point up to 10.00 metre. Length.	Each	1037.00	6	6222.00



2	1.2	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.) in surface system, including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. marked) with phenolic laminated sheet cover including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere.				
	1.2.1	Short point up to 3.00 metre. length.	Each	438.00	8	3504.00
	1.2.2	Medium point up to 6.00 metre. Length.	Each	636.00	12	7632.00
3	1.3	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.) 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 providing and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.),GI/ MS switch board (I.S.I. marked) with phenolic laminated sheet cover earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete.				
	1.3.2	Medium point up to 6.00 metre. Length.	Each	1445.00	12	17340.00



4	22.7	Supply, installation & testing of G.I. earth station with perforated 40 mm dia and 4.50 Metre long heavy duty G.I. pipe with necessary 40 mm dia. G.I. Fittings such as Socket, Tee, elbow, nipple and 50 mmx40 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 .	Each	5431.00	1	5431.00
	22.13	Extra for using salt (5 K and Charcoal (96 K in G.I./Copper plate Earth Station pit to provide low impedance ground in location of high soil resistivity as and when required and specified by the deptt	Each	4086.00	1	4086.00
5	11.1	Supplying and fixing of Switch/Socket flush type (Anchor Penta PC CHERRY /Gold medal /Kolor kany.com/Havells or equivalent make as approved by the Deptt.) on the existing PVC/ MS board including connection as approved by the Deptt.)complete as required.	Each	39.00	22	858.00
6	12.1	Providing and fixing I.C.S.P and N link Main Switch of 240 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.				
	12.1.2	30/32 Amps Capacity S.P.N	Each	845.00	1	845.00
7	15.2	Supplying with fitting and fixing sheet steel, phosphatised, powder painted dust & vermin proof Double door IP-43 surface mounting SPN MCB DB incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection as approved, specified and				
	15.2.1	ABB, Schneider MG, legrand, Hager make)				
	15.2.1.1	4 way SPN double door	Each	1348.00	4	5392.00



8	2.6	Wiring for circuit wiring 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 /Nikko / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed PVC conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring system.				
	2.6.1	With 2 x 1.5 sq. mm. cable in 20 mm dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit.	Metre.	144.00	120	17280.00
9	16.13.	Supplying with fitting and fixing panel mounting open execution 25 KA 415V 50Hz 3P MCCB (Ics=Icu, adjustable Ir setting 0.7) without enclosure of the following capacity complete with making necessary connection as approved by the Deptt. as specified and directed by the deptt.				
	16.13.1.	25 KA 415V 50 Hz 3P MCCB (Schneider, legrand, Siemens make)				
	16.13.1.4	63A	Each	5664.00	1	5664.00
10	11.7	Supplying and fixing of 3 plate Ceiling Rose (Anchor Penta PC CHERRY /Gold medal /Kolor kany.kom/Havells or equivalent make as approved by the Deptt.) on the existing block including connection as approved by the Deptt. complete as required	Each	44.00	12	528.00
11	11.9	Supplying and fixing of Plain Pendant holder (Anchor Penta PC CHERRY /Gold medal /Kolor kany.kom/Havells or equivalent make as approved by the Deptt.) with twin twisted flexible cable including 11 W CFL lamp and connection as approved by the Deptt.) as required	Each	199.00	22	4378.00
12	12.4	Providing and fixing I.C. Distribution fuse boards with rewire able fuses 250 Volt grade, 16 Amps per way (HPL/ GECO / 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				
	12.4.2	3-way Capacity	Each	365.00	2	730.00
Total Amount (in INR)						92798.00

