



**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/ 6201

Date: 7 March 2019

INVITATION FOR QUOTATIONS FOR WORKS UNDER SHOPPING PROCEDURES

To,

Subject: INVITATION FOR QUOTATIONS FOR EXTENSION, REPAIR, RENOVATION AND UPGRADATION OF EXISTING BUILDING OF SIVASAGAR DISTRICT LEVEL TESTING LABORATORY

Ref No: IN-SPMU-ASSAM-22930-CW-RFQ

1. You are invited to submit your most competitive quotation for the following works:-

Brief Description of the Works	Approximate value of Works (INR)	Period of Completion
Extension, Repair, Renovation and Up-gradation of existing building of Sivasagar District Level Testing Laboratory	868,524.34	3 months

2. Government of India has received a credit from the International Development Association in equivalent to US\$ 500 billion towards the cost of the Rural Water Supply and Sanitation Project for Low Income States, now renamed as Neer Nirmal Pariyojana, The State Project Management Unit, Neer Nirmal Pariyojana, Assam (SPMU, NNP-Assam), an implementing agency intends to apply a part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. To assist you in the preparation of your quotation, we are enclosing the following:
- Detailed Bill of Quantities (BOQ), with estimated rates and prices;
 - Technical Specifications;
 - Instructions to Bidders (in two sections A and B), and
 - Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.
4. You are requested to provide your offer latest by **15:00 hours (IST) on 22 March 2019**
5. Quotations will be opened after the deadline for submission of quotations in the presence of the Bidders or their authorized representatives, who choose to attend, in the address given below at **15:30 hours (IST) on 22 March 2019**.



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

Sd/-

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



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 Up-gradation of existing building of Sivasagar District Level Testing Laboratory	868,524.34	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 (BOQ), 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 **"Extension, Repair, Renovation and Up-gradation of existing building of Sivasagar District Level Testing Laboratory"**
- (ii) Do not open before **"15:30 Hours (IST) of 22 March 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 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 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,
The Project Director,
State Project Management Unit,
Neer Nirmal Pariyojana-Assam
5th Floor, Redstone Building,
G.S. Road, Dispur, Guwahati-781022,
Assam, India.

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

Reference: 1. **IN-SPMU-ASSAM-22930-CW-RFQ**
2. No. SPMU/TECH/LAB/239/2017-18/ **6201** Date: 7 March 2019

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/ (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

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-22930-CW-RFQ**

1. This is to notify you that your quotation dated _____ for execution of the **Extension, Repair, Renovation and Up-gradation of existing Building of Sivasagar District Level 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 28 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 (**SWSM (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, Sivasagar 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 _____ (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 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:-

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 above 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 ; and
- (b) 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:
- 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. @ 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:

- 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. VARIATION / 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 DBE;
- (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 db e 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.



BILL OF QUANTITIES

Name of Package: Extension, Repair, Renovation and Upgradation of existing building of
Sivasagar District Level Testing Laboratory

Reference No: IN-SPMU-ASSAM-22930-CW-RFQ

SUMMARY OF COST

Part	Particulars of Items	Estimated Amount in INR	Bidder's Quotation			
			% Above / Below the estimated Amount in INR including GST		Quoted Amount in INR including GST	
			In Figure	In Words	In Figure	In Words
A	Extension of District Level Laboratory Building at Sivasagar	658287.27				
B	Renovation of Existing District Level Laboratory Building at Sivasagar	65043.75				
C	Installation of Tube Well at DLL, Sivasagar	14369.05				
D	Plumbing works of DLL Building	41120.72				
E	Supplying, fitting and fixing of Air Conditioner at DLL, Sivasagar	46120.00				
F	Internal / External electrification of DLL building, Sivasagar	43583.55				
GRAND TOTAL		868524.34				

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



Part A: Civil works for extension of laboratory building

S. N.	APWD Building (CW) SOR 2013-14	Particulars of Items	Unit	Rate (in INR)	Qty.	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				
		Existing Laboratory	SqM	34.20	89.76	3069.79
2	23.9	Dismantling wood work in frames, trusses, purlins and rafters including stacking the materials as directed by the department for all levels	SqM	1050.20	0.92	966.18
3	1.1	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.				
		(A) Up to a depth of 2.00m below the existing ground level.	Cum	108.82	11.37	1237.28
4	2.1.1.	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).				
		(a) In prop 1cement: 3 sand :6 coarse aggregate by volume	cum	4,292.86	1.203	5164.31
5	4.1.4.	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed.				
		(I) In Sub-structure upto plinth level including dewatering if necessary				
		(b) In proportion 1:4.	Cum	5860.86	4.64	27194.39
6	1.3	Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary.				
		(c) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.	Cum	345.61	11.41	3943.41



7	4.1.1.	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a).Brick on flat soling.	Sqm	368.71	24.80	9144.01
8	2.1.3	Providing and laying 25mm thick damp proof course with cement concrete in prop 1:1.5:3 with graded stone agg. of 10mm down nominal size including providing approved damp proof admixture in proportion as recommended by the manufacturer including curing etc. complete as directed.	sqm	181.99	2.35	427.68
9	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	653.01	63.56	41505.32
10	9.1.2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 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 timber (Bonsum/ Sundi)	Cum	77474.00	0.339	26263.69
11	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 c) ISI approved Mild steel reinforcement bar(M.S.Bar)	Qtl	6026.82	3.57	21515.75
			Qtl	6767.66	1.07	7241.40



12	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:				
	3.1.1.1	Foundation, footings, bases of columns, pile cap, <u>raft and mass concrete works etc.</u> (b) Using 25mm thick plank	Sqm	252.24	4.44	1119.95
	3.1.1.2	Sides of tie beams, grade beams etc. at or below <u>ground level.</u> (b) Using 25mm thick plank	Sqm	341.90	9.90	3384.81
	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	364.01	6.24	2271.42
	3.1.1.4	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and <u>horizontal ties.</u> (a) For depth not exceeding 1.0M.				
		(ii) Using 25mm thick plank	Sqm	202.44	12.78	2587.18
	3.1.1.5	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantilever slabs, chajjas, <u>balconies and the like.</u> (a) Floors etc. upto 200mm in thickness.				
		(ii) Using 25mm thick plank	Sqm	429.93	14.82	6371.56
13	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)				
		(A) In substructure up to plinth level				
		Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level.				
		N) Without using admixture, plasticiser				
		a) M15 grade concrete or Prop. 1:2:4	cum	5496.65	1.604	8816.63
		(B) In super structure from plinth level up to 1st floor level.				
		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	5758.89	1.652	9513.69
14	9.9.2	Providing, fitting and fixing full panelled doors/ windows including oxidised M.S butt hinges (100mm x75 mm x3.55mm) with necessary screws (other fittings to be measured and paid separately)				
		B) With 1st class local wood (Gamari/Hollock/Bonsum)				
		(ii) 35 mm thick. (Door)	Sq.m.	3150.88	1.80	5671.58
15	12.1	Providing, fitting and fixing 40mm x 48mm wood reinforced PVC chowkhats fixed to the columns / stiffeners / walls with necessary holdfast / sleeves etc. as specified and directed at all levels	Rm	186.12	4.50	837.54
16	12.2	Providing, fitting and fixing 24mm/ 29mm thick polymer reinforced moulded PVC door shutters fixed to the chowkath with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid separately)				
		a) 24mm thick	Sqm	999.44	1.62	1619.09
17	9.9.9	Providing, fitting and fixing fully glazed clerestory window and fan light including fitting and fixing 2 M.S pivot hinges (75mm x 20mm x 3mm), eye hook and nylon chord complete (glass panes shall be measured and paid separately)				
		B) With Hollock/Gamari/Bonsum wood.				
		(ii) 35mm thick	Sq.m.	1647.69	7.13	11748.03
18	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	147.23	119.96	17661.71
		B) On fair side				
		b) In cement mortar 1:4	Sqm	145.70	74.97	10923.13
19	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 section	Qtl	8410.00	7.49	62990.90



20	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				
		(ii) 0.45 mm thick	Sqm	755.32	130.56	98614.58
21	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				
		(ii) 0.45 mm thick	RM	463.79	10.20	4730.66
22	9.4.1	Providing barge board of size 200mm x 20mm with 1st class local Hollock/ Bonsum timber including fitting and fixing with necessary wood screws etc complete	R.M.	349.75	33.20	11611.70
23	10.1	Providing, fitting and fixing M.S. round bars with M.S. flat stiffeners at required spacing in wooden frames of windows and clerestory windows				
		II Ornamental grill				
		(a) Fixed to wooden frames	Kg	101.34	179.31	18171.28
24	2.1.2	Plain cement concrete floor base in prop1:3:6 laid in alternate bays as specified with coarse agg. of size 13mm to 32mm including dewatering if necessary, and curing etc. complete				
		b) 50mm thick	sqm	253.28	30.33	7681.98
25	5.11.1	Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf)/ white cement complete at all level as specified and directed.				
		(A) CERAMIC				
		i)Normal range (Sizes 300 mm x 300mm and above)				
		(a)Orient made: Galaxy Brown, Galaxy creama, Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj Green, Buri Slate	Sq.m	695.47	4.75	3303.48



26	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 Department)				
		a) Normal range Somany/ Orient/Nitco /Varmora/VITA/ Marbito/ Make				
		ii) Of size 600mmx600mm and above	Sq.m	1483.13	27.60	40934.39
27	5.7.1.2	Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick 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 complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls)				
		a) Normal range Somany/ Orient/Nitco/Asian Make				
		ii) Of size 200mmx300mm and above	Sq.m	640.00	8.44	5401.60
28	5.10.1	Providing polished granite tiles of approved quality, size and shape and thickness not less than 8mm, on walls over 15mm thick, cement mortar bed in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary, finished with flush pointing on wall with ordinary cement slurry mixed with approved pigment to match shade of tiles, complete at all levels as specified and directed.	Sq.m	1157.36	9.86	11411.57
29	16.1	Providing and fixing clear sheet glass bedded in putty and fixed with/without wooden bidding including necessary cutting and glass to be required sized(payment for wooden bead shall be made separately)				
		(1). Area of glass panes not exceeding 0.15m2				
		(c). 3.00mm thick.	Sqm	486.11	2.48	1205.55



30	9.3.1	Providing wood work in frame of false ceiling partitions etc.sawn, wrought, framed hoisted and fixed in positon 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	Cum	58905.75	0.174	10249.60
31	7.4.1	Supplying, fitting and fixing ceiling tiles of 10mm thick made from Duratuff medium density fibre board in size 1200mm x 1200mm x 10mm with Sal wood timber frame (to be measured and paid separately)leaving an expansion gap of 3mm with necessary nails, screws etc. including 1st class local wood (Hollock /Bonsum / Sundi etc.)beading of size 50mm x 12mm complete as directed and specified.	Sqm	321.08	30.33	9738.36
32	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	35.17	86.87	3055.22
33	13.2.2	g) Distempering with dry distemper of approved brand and manufacture (twocoats) and of required shade on new wall surface to give an even shade,after thoroughly brushing the surface free from mortar dropings and other foreign matter and including preparing surface even and sand papered smooth.	Sqm	51.46	86.87	4470.33
34	13.2.3	a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sqm	40.66	66.33	2696.98
35	13.9.2	Finishing old/ new wall with water proofing weather coat smooth anti-fungal exterior painting of Apex brand of Asian Paints and of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sqm	127.58	66.33	8462.38
36	13.6.3	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 snd other foreign matter , sand paperlng and knotting.				
		(b). With ready mixed paint , wood primer (white).	Sqm	36.90	9.02	332.84



37	13.6.5	Painting two coats (excluding priming coat) on new wood and wood based 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 surfaces 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	73.00	9.02	658.46
38	13.7.2	Applying primary coat over new steel and other metal surface over 100m in width or girth after preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper.				
		a). With ready mixed "red-lead/ red oxide" primer.	Sqm	33.96	4.41	149.76
39	13.7.4	Painting two coats (excluding priming coat) on new 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				
		(i).Surfaces over 100mm in width or girth.				
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sqm	73.00	4.41	321.93
40	25.12	Providing precast R.C.C slab over drain ,septic tank etc. in prop. 1:2:4 reinforced with 10mm M.S. bar @ 150mm centre both ways tying with 20 gauge black annealed wire with necessary shuttering , curing etc. complete including fixing in position as directed.				
		b) 75mm thick slab	Sqm	1277.11	4.93	6296.15
41	15.2.1	Supplying, fitting, fixing anodised aluminium fittings of approved make, resonably 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 bolts				
		ii) 250mm x 12mm	Each	121.86	2	243.72
		iv) 150mm x 10mm	Each	88.56	2	177.12
		c) Door handles /150 mm	Each	42.43	10	424.30
Stagging						



1	1.1	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.				
		(A) Up to a depth of 2.00m below the existing ground level.				
		(a) In ordinary soil	Cum	108.82	0.972	105.77
2	4.1.1	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering complete				
		(a).Brick on flat soling.	Sqm	368.71	1.44	530.94
3	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)				
		b) Other ISI approved TMT reinforcement bar (SAI/BISCON/THERMAX)	Qtl	6026.82	0.16	964.29
4	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:				
	3.1.1.1	Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc.				
		(b) Using 25mm thick plank	Sqm	252.24	0.72	181.61
5	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				
		(I) Using Mixer Machine				
		(A) In substructure up to plinth level				
		a) M15 grade concrete or Prop. 1:2:4	cum	5496.65	0.864	4749.11



6	18.2.2	Steel work riveted and/ or bolted/ riveted in built up sections, frame work including cutting, hoisting, fixing in position and applying a priming coat of red- lead paint up to 4.6m height above plinth including drilling holes, supplying, fitting and fixing with bolts and nuts or welding, if necessary as directed.				
		a) In beams and joists with connecting plates/ angle cleats	Qtl	6729.00	8.80	59215.20
		b) In single stanchions (columns) composed of R.S.J. or channels with caps, bases, splices, angle brackets etc.	Qtl	7618.00	0.82	6246.76
APWD (Sanitary & Water Supply) SOR 2013-14		Water Supply and Sanitary Fittings				
1	1.16	Providing fitting & fixing laboratory sink of Parryware make with CI/MS brackets, C.P. brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings ,cutting &making good the walls wherever required. (Sink cock, stop cocks, waste coupling are to be				
		(B) Hindware make				
		a) White				
		(ii) Size 450 x 300 x 180 (Cat.No.50001)	Each	4976.85	2	9953.70
2	1.1	Providing fitting and fixing vitreous water closet squatting pan (Indian type W.C Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. (Flushing Cistern to be paid separately)				
		1.1.2 Indian type Orissa pattern of size 500mm				
		a) White				
		ii) Hindware make	Each	2862.11	1	2862.11
3	1.5	Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. compete as directed and specified (pipes will be measured separately)				
		ii) Hindware make				
		a) White				
		(i) Sleen+ PVC cistern	Each	1890.83	1	1890.83
4	1.8	Providing fitting and fixing vitreous china flat back type lipped front urinal basin with standard flush pipe and CP brass spreader andbrass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever				
		(A) Parryware Make				



		(a) White				
		(ii) Aquaseal (Cat. No.C0508)	Each	3277.89	1	3277.89
5	1.9	Providing fitting and fixing vitreous china squatting plate urinal with automatic flushing cistern with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors				
		(A) Parryware Make				
		(i) White (Cat. No. C0503)	Each	3156.68	1	3156.68
6	1.13	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)				
		Basin (without pedestal)				
		(B) Hindware Make				
		(a) White				
		(i) Alto 510 x 400 (Cat. No.10091)	Each	2293.05	4	9172.20
7	1.18	Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	each	556.68	1	556.68
8	1.24	Providing, fitting and fixing CP towel rail complete as directed and specified.				
		(b) Sona make				
		(iii) Towel rail Diplomat 600mm long (Cat.No.TR-0605)	each	859.73	1	859.73
9	1.37.1	Supplying, fitting and fixing PVC pipes of 6 Kg/cm ² (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified.				
		a) In exposed surfaces or in trenches.				
		(ii) 110mm dia.	Rm	630.8	6	3784.80
		(iv) 75mm dia.	Rm	333.95	1.8	601.11
10	1.37.3	Supplying fitting and fixing 87.5 degree PVC bend with door of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.				
		a) In exposed surfaces or in trenches.				
		(ii) 110mm dia.	each	281.38	1	281.38
11	1.37.5	Supplying fitting and fixing PVC Plain single tee of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.				
		a) In exposed surfaces or in trenches.				
		(ii) 110mm dia.	each	278.76	1	278.76



12	1.37.13	Supplying fitting and fixing PVC coupler of (Supreme / Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below <u>G.L. as directed and specified</u>				
		a) In exposed surfaces or in trenches.				
		(i) 110 mm dia	each	133.49	1	133.49
13	1.37.14	Supplying fitting and fixing PVC reducer of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below <u>G.L. as directed and specified</u>				
		a) In exposed surfaces or in trenches.				
		(iv) 110 mm x 75mm	each	188.46	1	188.46
14	1.39	Providing fitting and fixing PVC cowel of ISI <u>make complete as directed and specified.</u>				
		(iv) 75mm dia. PVC cowel of ISI make	each	Rs. 133.49	1	133.49
15	1.50	Providing fitting and fixing (600x600)mm 90mm thick C.I. Man hole cover and frame of 25 Kg. weight complete as directed and specified	each	1817.86	1	1817.86
16	1.51	Construction of filter bed in soak pit including earth work in excavation of soil and then filling up of the trench with brick bats/Charcoal covered with earth over a layer of A.C. plain sheet above brick bat filling complete as directed. (sizes of soak pit may vary depending on the sizes and capacities of the septic tank as well as the number of users as mentioned in the	Cum	Rs. 3,810.06	1	3810.06
TOTAL AMOUNT FOR EXTENSION OF LABORATORY BUILDING (IN INR)						658287.27



Part B: Renovation of existing District Level Laboratory (DLL) Building at Sivasagar

S.N.	APWD Building (CW) SOR 2013-14	Particulars of Items	Unit	Rate (in INR)	Qty.	Amount (in INR)
1	23.20.	Dismantling all types of ceiling, partition and wall lining and stacking the materials as directed by the department for all levels.	Sqm	22.40	64.80	1451.52
2	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	13.57	251.58	3413.94
3	9.9.2	Providing, fitting and fixing full panelled doors/ windows including oxidised M.S butt hinges (100mm x75 mm x3.55mm) with necessary screws (other fittings to be measured and paid separately.)				
		B) With 1st class local wood (Gamari/Hollock/Bonsum)				
		(ii) 35 mm thick.	Sq.m.	3150.88	1.80	5671.58
4	16.1	Providing and fixing clear sheet glass beded in putty and fixed with/without wooden bidding including necessary cutting and glass to be required sized(payment for wooden bead shall be made separately)				
		(1). Area of glass panes not exceeding 0.15m2				
		(c). 3.00mm thick.	Sqm	486.11	3.04	1477.77
5	13.6.3	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.				
		(b). With ready mixed paint , wood primer (white).	Sqm	36.90	18.94	698.89
6	13.6.5	Painting two coats (excluding priming coat) on new wood and wood based 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 surfaces 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	73.00	18.94	1382.62



7	13.7.2	Applying primary coat over new steel and other metal surface over 100m in width or girth after preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper.				
		a). With ready mixed "red-lead/ red oxide" primer.	Sqm	33.96	5.12	173.88
8	13.7.4	Painting two coats (excluding priming coat) on new 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	Sqm	73.00	5.12	373.76
9	7.4.1	Supplying, fitting and fixing ceiling tiles of 10mm thick made from Duratuff medium density fibre board in size 1200mm x 1200mm x 10mm with Sal wood timber frame (to be measured and paid separately)leaving an expansion gap of 3mm with necessary nails, screws etc. including 1st class local wood (Hollock /Bonsum / Sundi etc.)beading of size 50mm x 12mm complete as directed and specified.	Sqm	321.08	60.94	19566.62
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	35.17	166.65	5861.08
11	13.2.2	g) Distemping with dry distemper of approved brand and manufacture (twocoats) and of required shade on new wall surface to give an even shade,after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth.	Sqm	51.46	166.65	8575.81
12	13.2.3	a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sqm	40.66	84.93	3453.25
13	13.9.2	Finishing old/ new wall with water proofing weather coat smooth anti-fungal exterior painting of Apex brand of Asian Paints and of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sqm	127.58	84.93	10835.37



14	15.2.1	Supplying, fitting, fixing anodised aluminium fittings of approved make, resonably 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 bolts				
		ii) 250mm x 12mm	Each	121.86	8	974.88
		iv) 150mm x 10mm	Each	88.56	8	708.48
		c) Door handles				
		iii) 150mm	Each	42.43	10	424.30
TOTAL AMOUNT FOR RENOVATION OF EXISTING DISTRICT LEVEL LABORATORY (DLL) BUILDING AT SIVASAGAR (IN INR)					65043.75	



Part C: Installation of Tube well at District Level Laboratory (DLL) Building at Sivasagar

S.N.	APHE SOR 2015-16	Particulars of Items	Unit	Rate (in INR)	Qty.	Amount (in INR)
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Labour Cost

1	7.1.1	Labour Charge for making borehole of 40 mm dia. up-to required depth below the ground level and collecting sample of soil at every 3.0 M depth or wherever there is a change of strata in sample boxes with the distinguishing marks, including arranging and carriage of necessary boring materials / tools, etc. and withdrawing the pipe all complete as directed (Trial boring) 1 x 26.00 = 26.00 M	M	94.20	26.00	2449.20
2	7.1.3	Labour Charge for making borehole of 50 mm dia. and collecting sample of soil at every 3.0 M depth or wherever there is a change of strata in sample boxes with the distinguishing marks and withdrawing the drill pipe for lowering well, etc. all complete including carriage of materials as directed. (Total: 26.00 M)	M	123.70	26.00	3216.20
3	7.1.13	Labour charge for sinking, lowering, fitting, fixing in position 40 mm dia. UPVC pipe of 40 mm dia. Strainer placed in potable water bearing layer with 40 mm dia. Cone / plug at the bottom of the tube well, washing the borewell etc. and supplying necessary jointing materials, cutting and threading the pipe where necessary, including carriage of materials and cleaning and priming the tube well, all complete, as directed. (Total: 24.00 M)	M	9.10	24.00	218.40
4	N.S.	Developing of the DTW with Diesel Driven Centrifugal Pump set all complete as directed	L.S.	1800.00	1.00	1800.00
5	8.5.6	Supplying and packing pea gravel around the periphery of casing including local carriage, screening, washing, etc. all complete as directed	Cum	2563.80	1.00	2563.80
Total Labour cost (In INR)						10247.60

Material Cost

1		40 mm dia. UPVC Pipe	Rm	146.80	22.00	3229.60
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2	40 mm dia. UPVC Ribbed screen	Rm	189.80	2.00	379.60
3	40 mm dia. UPVC Cone	Each	120.00	1.00	120.00
4	40 mm dia. GI Pipe	Rm	261.50	1.50	392.25
Total Material cost (in INR)					4121.45
TOTAL AMOUNT FOR INSTALLATION OF TUBE WELL AT DLL, SIVASAGAR					14369.05



Part D: Plumbing works of District Level Laboratory (DLL) at Sivasagar

S.N.	APWD (sanitary & WS) SOR for 2013-14	Particulars of Items	Unit	Rate (in INR)	Qty.	Amount (in INR)
1	5.1.1	Supplying fitting and fixing Pipes with all necessary fittings in exposed or in trenches including trenching and refilling the same etc complete as directed				
		A) G.I. pipe with GI fittings				
		b) ITC /NEZONE /Bansal/Jindal (Medium)				
		i) 15mm diameter	Rm	156.60	7.20	1127.52
		iii) 25mm diameter	Rm	283.29	57.25	16218.35
2	3.17.1	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.				
		c) 25 mm dia.	Each	1038.32	2	2076.64
3	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)				
		Jaquar make				
		(a) Continental /Clarion				
		(i) Standard	Each	783.84	4	3135.36
4	3.5.1	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed.				
		Jaguar make				
		(a) Continental				
		(b) Long neck with areator	Each	824.95	3	2474.85
5	5.4.2	Supplying and placing plastic cylindrical vertical cloused top (PCVC) tank of Sintex / Polycon / Patton make over the staggering with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes				
		1000 litre capacity				
		(a) Sintex make	Each	7666.00	1	7666.00
		500 litre capacity				
		(a) Sintex make	Each	4590.00	1	4590.00
6	5.4.5	Labour for erecting and placing PCVC Tank over the staggering up to a height of 5.00m complete as directed.				
		(c) 1000 litre capacity	Each	678.00	1	678.00
		(d) 500 litre capacity	Each	454.00	1	454.00
7	AR	Supplying and charging of filter media all complete as directed	Job	2700.00	1	2700.00
TOTAL AMOUNT (IN INR) FOR PLUMBING WORKS AT DLL, SIVASAGAR						41120.72



**Part E: Supplying, fitting and Fixing of Air Conditioner of District Level Laboratory (DLL) at
Sivasagar**

S.N.	APWD (Bldg.) SOR for 2013- 14 for Electrical Works	Particulars of Items	Unit	Rate (in INR)	Qty.	Amount (in INR)
1	ECBC 7.3	Supplying with installation testing and commissioning of Hi -- wall 5 STAR rating non ducted split type air conditioner of the following capacity with cordless remote complete with copper pipe and electrical connection cable, as approved by the Deptt.) up to 5 m between the room unit and out door unit as directed by the department				
	ECBC 7.3.1	1.5 Ton Capacity				
	7.3.1.1	Voltas make	Each	42100.00	1	42100.00
2	11.13	Supplying and fixing of 3 Pin Top 6 / 16 Amp on the existing 6 / 16 Amp socket including connection as approved by the Deptt.) complete as required	Each	70.00	1	70.00
3	16.4	Supplying with fitting and fixing TP 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
	16.4.1	B Series (Schneider MG, legrand, Hager make)				
	16.4.1.1	6 to 32A	Each	890.00	1	890.00
4	5.2	Wiring for circuit wiring with P.V.C. insulated single core unsheathed industrial flexible cable conforming to IS-694: 1990 with flexible bright annealed copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed PVC 2 mm thick conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring system.				
	5.2.3	With 2 x 6 sq. mm. + earth continuity with 1x 4 sq. mm. cable in 25 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III	Metre	306.00	10.00	3060.00



TOTAL AMOUNT (IN INR) FOR SUPPLYING, FITTING & FIXING OF AIR CONDITIONS AT DLL, SIVASAGAR	46120.00
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Part F: Internal/External Electrification of District Level Laboratory (DLL) at Sivasagar

S.N.	APWD (Bldg.) SOR for 2013-14 for Electrical Works	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	4	2008.00
		1.1.2 Medium point up to 6.00 metre. Length.	Each	741.00	1	741.00
		1.5.3 Long point up to 10.00 metre. Length.	Each	1037.00	1	1037.00



2	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				
	1.3.2	Medium point up to 6.00 metre. <u>Length</u>	Each	1445.00	1	1445.00
3	11.4	Supplying and fixing of Switch/Socket flush type (Anchor Penta PC CHERRY /Gold medal /Kolor kany.kom/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	54.00	5	270.00
4	27.1	Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the				
	27.1.2	Premium model 1200 mm Sweep (ORIENT PSPO make) / Premium model 1050 / 1200 mm Sweep SS-390 Deco Havells make)	Each	2377.00	2	4754.00
	27.1.4	High speed 1050 mm sweep ORIENT PSPO make) /High speed 900 mm sweep (ORIENT PSPO make)	Each	1881.00	1	1881.00



5	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	3	132.00
6	11.9	Supplying and fixing of Plain Pendent 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	5	995.00
7	11.13	Supplying and fixing of 3 Pin Top 6 / 16 Amp on the existing 6 / 16 Amp socket including connection as approved by the Deptt.)complete as required	Each	70.00	1	70.00
8	16.4	Supplying with fitting and fixing TP 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
	16.4.1	B Series (Schneider MG, legrand, Hager make)				
	16.4.1.3	63A	Each	1368.00	1	1368.00
9	23.1	Supplying with fitting fixing of CFL/Fluorescent luminaries complete with all accessories such as ballast, starter etc. directly on wall / ceiling including connection as approved by the Deptt.)with 1.5 sq mm P.V.C. insulated S.C. copper conductor as required and as directed by the department.				
	23.1.2	Striplite luminaries complete with VPIT copper ballast/ Electronic ballast and decorative end cap and 1 X 36 / 40 watt Fluorescent tube.(Crompton Greaves make) Model- DSG1114LDB CROMGOLD / DSG1114LDBN CROM GOLD NEW / DSG1314EB CG GOLD / DSG 1414EB PLANET GOLD with Super Saver / Super Brite Lamp. Or equivalent (Equivalent will be selected by the deptt considering the mother items rate) PHILIPS/ WIPRO/ BAJAJ/ Havells/ HPL/ SOLAR/ JAQUAR make.	Each	595.00	3	1785.00



10	5.1	Wiring for circuit wiring with P.V.C. insulated single core unsheathed industrial flexible cable conforming to IS-694: 1990 with flexible bright annealed copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface/ recessed 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring				
	5.1.1	With 2 x 1.5 sq. mm. cable in 20 mm dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit	Metre	141.00	41.55	5858.55
11	11.31	Supplying and fixing of Call bell (Buzzer) including 6 amp capacity flush type bell push switch including connection as approved by the Deptt.) as required	Each	127.00	1	127.00
12	27.6	Supplying, fitting & fixing ceiling fan regulator including connection, etc. complete as required.				
	27.6.1	Resistor Type	Each	86	2	172.00
13	32.1	Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x10 sq mm. 3x10 sq mm, 4x6 sq mm balance all galvanised steel strip) , extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/ Havells/ RPG/CCI/Polycab/Gloster/ Finolex make) .				
	32.1.1	2 Core A2XWaY A2XFaY				
	32.1.1.3	10.00 Sq.mm 2 Core armoured U.G. cable	Metre	349.00	60	20940.00
TOTAL AMOUNT (IN INR) FOR INTERNAL / EXTERNAL ELECTRIFICATION OF DLL, SIVASAGAR						43583.55



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

