

INSTRUCTIONS TO BIDDERS

SECTION-A

1. SCOPE OF WORKS

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

Brief Description of the Works	Approximate value of Works (INR)	Period of Completion
Extension, Repair, Renovation and Upgradation of Existing Building of Bongaigaon District Level Laboratory	5,19,250.71	3 Months

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

2. QUALIFICATION INFORMATION

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

3. QUALIFICATION CRITERIA

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

4. BID PRICE

- (i) The contract shall be for the whole works as described in the Bill of Quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
- (ii) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- (iii) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- (iv) The rates should be quoted in Indian Rupees only.

5. SUBMISSION OF QUOTATIONS

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

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

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



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

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

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

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

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

6. VALIDITY OF QUOTATION

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

7. OPENING OF QUOTATIONS

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

8. CONFIDENTIALITY

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

9. EVALUATION OF QUOTATIONS

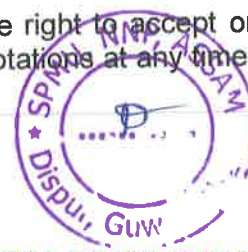
9.1. The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which

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

10. AWARD OF CONTRACT

10.1. The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.

10.2. Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the



award of contract.

10.3. The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.

11. PERFORMANCE SECURITY

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

12. PERIOD OF MAINTENANCE

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

13. PURCHASE

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



SECTION - B

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



QUOTATION

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

To:

Subject: Construction of

Reference: Letter No dated from

Sir,

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

INR..... [in figures]

INDIAN RUPEES [in words].

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

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive arrangements with the competitors.

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

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

Yours faithfully,

Authorised Signature:

Date:

Name & Title of Signatory:

Name of Bidder:

Address:





GOVERNMENT OF ASSAM

STATE PROJECT MANAGEMENT UNIT, NEER NIRMAL PARIYOJANA, ASSAM

RWSSP-LIS, World Bank Project, 5th Floor, Redstone Building, G.S. Road, Dispur, Guwahati – 781006
Website: www.nnpphedassam.org Phone No. 0361 – 2334345 Email ID: assam_worldbank@rediffmail.com

No. SPMU/PROC/

Date:

LETTER OF ACCEPTANCE CUM NOTICE TO PROCEED WITH THE WORK

To:

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

Project Director
State Project Management Unit
Neer Nirmal Pariyojana, Assam



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

ARTICLES OF AGREEMENT

1. AGREEMENT

1.1. This deed of agreement is made in the form of agreement on _____ day _____ month, 2017 between the **Project Director, State Project Management Unit, Neer Nirmal Pariyojana, Assam** (hereinafter referred to as the first party) and _____ (Name of the Contractor), S/O _____ resident of _____ (hereinafter referred to as the second party), to execute the work of construction of _____ (hereinafter referred to as works) on the following terms and conditions.

2. COST OF THE CONTRACT

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

3. PAYMENTS UNDER ITS CONTRACT

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

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

Total cost above is excluding contingency amount

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

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

4. NOTICE BY CONTRACTOR TO DESIGN BUILD ENGINEER

4.1. The second party, on the works reaching each stage of construction, issue a notice to the first party or the DBE nominated by the first party (who is responsible for supervising the contractor, administering the contract, certifying the payments due to the contractor, issuing and valuing variations to the contract, awarding extensions of time etc.), to visit the site for certification of stage completion. Within 15 days of the receipt of such notice, the first party or the DBE nominated by it, will ensure issue of stage completion certificate after due verification.

5. COMPLETION TIME

5.1. The works should be completed in 3 months from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by



mutual consent of both the parties.

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

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

5.3. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ 0.05% of the contract value of the works per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 10% of the contract amount.

6. DUTIES AND RESPONSIBILITIES OF THE FIRST PARTY

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

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

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

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

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

7. DUTIES AND RESPONSIBILITIES OF THE SECOND PARTY

7.1. The second party shall:

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



- (iii) regularly supervise and monitor the progress of work ;
- (iv) abide by the technical suggestions/direction of supervisory personnel including engineers etc. regarding building construction ;
- (v) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification ;
- (vi) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
- (vii) keep the first party informed about the progress of work ;
- (viii) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- (ix) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
- (x) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law).

8. VARIATIONS / EXTRA ITEMS

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

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

9. SECURITIES

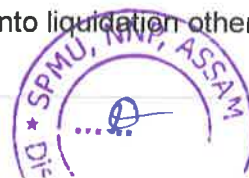
9.1. The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue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

10. TERMINATION

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

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

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



reconstruction or amalgamation;

- (iii) the DBE gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the DBE;
- (iv) the Contractor does not maintain a security which is required;

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

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

11. PAYMENT UPON TERMINATION

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

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

12. DISPUTE SETTLEMENT

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

12.2. In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Superintending Engineer of a technical department to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 and as amendments. The decision of the Arbitrator shall be final and binding on both the parties.



BILL OF QUANTITIES

Name of Package:

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

Reference No.:

IN-SPMU-ASSAM-22928-CW-RFQ

SUMMARY OF COST

Part	Particulars of Items	Estimated Amount in INR	Bidder's Quotation			
			% Above/Below the Estimated Amount including GST		Quoted Amount in INR including GST	
			In Figure	In Words	In Figure	In Words
A	CIVIL WORKS	1,55,118.98				
B	SANITARY AND WATER SUPPLY WORKS	44,849.75				
C	ELECTRICAL WORKS	1,50,000.00				
D(I)	WATER SUPPLY ARRANGEMENT - CIVIL WORKS	1,04,985.78				
D(II)	WATER SUPPLY ARRANGEMENT - PIPING	45,235.24				
D(III)	WATER SUPPLY ARRANGEMENT - ELECTRICAL WORKS	19,060.95				
	GRNAD TOTAL	5,19,250.71				

Gross Total Cost: INR

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

Signature of Contractor



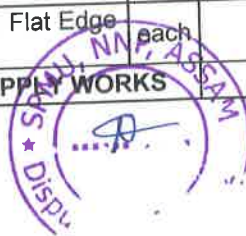
PART A: CIVIL WORKS

S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	23.15	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	sqm	12.12	102.60	1,243.51
2	23.14	Demolishing the plastering from walls/ R.C.C. and P.C.C. members without causing any damage to the wall/ member upto any height including disposal of debris as directed for all levels.	cum	0.78	3,339.00	2,608.43
3	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				
	(ii)	Executive range-1 (Sizes 400 mm x 400mm and above)				
	(a)	Somany made- VC Shield (Group- 25) (406x406) mm Deluxe -VC Wall Tiles	sqm	50.61	660.75	33,440.56
	5.11.2	VITRIFIED				
	(ii)	Executive range-1 (Sizes 600 mm x 300mm and above)				
	(a)	Nitco made (Oak Wood)	sqm	11.55	1,700.93	19,645.74
4	19.4	Providing drain with cement concrete (1:3:6) 10cm thick sides 10cm thick bed over brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shattering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.				
	(i)	300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.	m	57.41	888.38	51,001.90
5	19.2	Providing plinth protection with bricks flat laid in cement mortar 1: 4 and finished with 15mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish.	sqm	34.45	665.72	22,934.05
6	13.6.2	Removing old paint or polish from wood and wood base surfaces with caustic soda solution and making the surface even	sqm	147.34	36.40	5,363.18
7	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	147.34	36.90	5,436.85
8	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.				
	(i)	Surfaces over 100mm in width or girth.				
	(b)	High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	sqm	147.34	47.78	7,039.91
9	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	147.34	43.47	6,404.87
		TOTAL OF CIVIL WORKS				1,55,118.98



PART B: SANITARY AND WATER SUPPLY WORKS

S. No.	APWD Building (S&WSW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	1.2	Providing fitting and fixing vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required. (Flushing Cistern to be paid separately)				
	(A)	Parryware make				
	(a)	White				
	(viii)	Petite (S/P) (Cat No.C0287/88) (inclusive of seat cover)	each	3	3,328.79	9,986.37
2	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 required.				
	(A)	Parryware Make				
	(a)	White				
	(i)	New Magnum (Cat. No.C0575)	each	2	5,611.35	11,222.70
3	1.9	Providing fitting and fixing vitreous china squatting plate urinal with automatic flushing cistern 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 required.				
	(A)	Parryware Make				
	(i)	White (Cat. No. C0503)	each	1	3,156.68	3,156.68
4	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)				
	(i)	Parryware make				
	(a)	White				
	(ii)	Deluxe Single Flush (Cat. No. C8091/C8057)	each	3	2,496.86	7,490.58
5	1.13.2	Basin (without pedestal)				
	(A)	Parryware Make				
	(a)	White				
	(i)	Star Basin 550 x 400 (Cat. No.C0450)	each	1	2,256.68	2,256.68
6	1.13.7	Corner Basin				
	(A)	Parryware Make				
	(a)	White				
	(i)	Corner 400 x 400 (Cat. No.C0408/55)	each	1	1,893.03	1,893.03
7	1.15	Providing fitting & fixing stainless steel kitchen 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 paid separately)				
	(A)	Parryware Make				
	(ii)	Single Bowl with Drain Board (400 x 200) Flat Edge Glossy (Cat.No.C8537)	each	1	8,843.71	8,843.71
		TOTAL OF SANITARY AND WATER SUPPLY WORKS				44,849.75



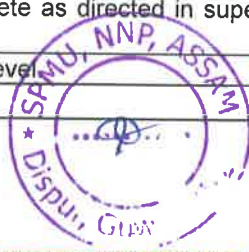
PART C: ELECTRICAL WORKS

S. No.	APWD Building (EW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	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.				
	7.3.1	1.5 Ton Capacity				
	7.3.1.1	Voltas make	each	3	42,100.00	1,26,300.00
2	31.1.5	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)				
		2.0 KVA Automatic Input 90-280 V Out put 200 - 240V	each	3	6,750.00	20,250.00
3	Market Rate	Installatrion Charge of Split type A.C. Machine of 1.5 Ton Capacity	each	3	1,150.00	3,450.00
		TOTAL OF ELECTRICAL WORKS				1,50,000.00



PART D: (I) WATER SUPPLY ARRANGEMENT - CIVIL WORKS

S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	1.1	Earth work in excavation for foundation trenches of walls, retaining walls, footings of columns, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of works, breaking clods in return filling, dressing watering and ramming etc.				
	(A)	Up to depth of 2.00m below the existing ground level.				
	(a)	In ordinary soil	m ³	5.81	108.82	632.24
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 soiling	m ²	6.64	368.71	2,448.23
3	2.1.1	Plain cement concrete floor base in prop 1:3:6 laid in alternate bays as specified with coarse agg. Of size 13mm to 32mm including dewatering if necessary, and curing etc. complete.				
	(a)	1:3:6	m ³	0.53	4,292.86	2,275.22
4	3.1.1	Providing form work of ordinary timber planing so as to give a rough finish including centrereng, shutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 1.0m and removal of the same for in - situ reinforced concrete and plain concrete work in: 3.1.1.1: Foundation, footing etc.	m ²	8.40	252.24	2,118.82
	(b)	Using 25mm planks.				
	3.1.13	Column, Pillar, post etc (ii) Using 25mm planks	m ²	18.16	364.01	6,610.42
	3.1.1.5	Flat Surfaces such as suspended floors, Chajjas etc.	m ²	14.45	429.93	6,212.49
5	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 details, supplying and binding with 20G annealed blak wire and plcing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra masurement 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 (SRMB/SAI/BISCON/X TECH) (For Assam Type Bldg. drain works, retaining wall & boundary wall etc.	Qtl	4.09	6,026.82	24,649.69
	(c)	ISI opp Mild Steel	Qtl	0.73	6,767.66	4,940.39
6	2.2.1	Providing and laying plain/ reinforced cement Concrete works complete.				
	(a)	In Sub structure up to plinth level. (b) 1:1.5:3	m ³	1.49	6,063.65	9,034.84
	(B)	In Superstructure				
	(ii)	Column pillar post slabete				
	(b)	1:1.5:3	m ³	2.23	6,331.46	14,119.16
7	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 ast floor level				
	(a)	112 mm thick brickwall	m ²	6.75	653.02	4,407.89



S. No.	APWD Building (CW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
8	6.2.2	15mm thick Cement plaster in single coat on single of half brick wall for interior plastering up to 1 st floor level including				
		Arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed.	m ²	57.56	147.23	8,474.56
9	10.2	Providing, fitting and fixing M.S grill of required pattern for windows/ clerestory windows/ opening with M.S. bars with round headed bolts and nuts or screws.	kg	154.55	84.16	13,006.93
10	13.2.1 (a)	Colour washing with line on wall surface (two coats) over and including a priming coat of white washing to give an even shade after thoroughly brooking the surface to remove all dirt, dust, mortar drops and other foreign matter.	m ²	147.23	27.93	4,112.13
11	13.7.2	Applying primary coat over new steel and other metal surface mover 100m in width or girth after preparing the surface by thoroughly cleaning oil, grease, dirt and other wood scrapers and sand paper				
	(a)	With ready mixed " red – lead/ red oxide" primer	m ²	4.49	33.96	152.48
12	13.7.4	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture (Asain 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.	m ²	4.49	61.95	278.16
13	5.3.2	Brick on flat floor with 1 st class brick and grouted with cement mortar in proportion 1:4 including 15mm thick cement plastering in proportion 1:2 and finished with neat cement and curing complete.	m ²	2.25	672.06	1,512.14
		TOTAL OF CONSTRUCTION OF RCC STAGING FOR WATER TANK				1,04,985.78



PART D: (II) WATER SUPPLY ARRANGEMENT - PIPING

S. No.	APWD Building (S&WSW) SOR (2013-14) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	5.4.2	Supplying and Placing plastic cylindrical				
		Vertical claused top (PCVC) tank of Sintex/ Ploycon/Patton make over the staging with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes complete as directed.				
	(ii)	2000 liter capacity	each	1	13,685.00	13,685.00
2	5.1.1	Supplying, fitting and fitting suction pipes plain/bevel ended, conforming to relevant IS codes of practice including supplying and fitting of accessories, lowering of assembly pipes concentrically in the casing pipes complete as directed				
	(c)	UPVC Pipe				
	(a)	Supreme				
	(ii)	32mm dia	m	28	186.84	5,231.52
	(iii)	25mm dia deliver pipe	m	12.3	147.20	1,810.56
	(v)	40mm dia	m	54	255.54	13,799.16
3	3.1	Supplying fitting and fixing approved UPVC (Chlorinated Polyvinyl Chloride) Pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fitting including clams at 1.00m spacing including jointing of pipes and fitting with on step CPVC solvent cement and testing of joints complete at all levels as directed and specified.				
	(B)	(B) Concealed	m	18.8	147.03	2,764.16
	(e)	(e) 20mm dia OD				
4	3.3.2	Supplying fitting and fixing and fixing chrome plated (C.P.) stop-cock of approved brand and size as mentioned below as directed and specified (G.I. & C.P) pipes will be measured and paid separately				
	(ii)	Agmeco Brand				
	(c)	20mm dia = 1 x 5 = 5 Nos.	each	5	824.65	4,123.25
5	3.5.1	Supplying and fitting fixing C.P. Pillar cock of 15mm dia of approved brand as specified and directed.				
		PILLAR COCK				
	(ii)	Jaguar Make				
	(b)	Long neck = 1 x 2 = 2 Nos.	each	2	824.95	1,649.90
6	3.6.1	Supplying, fitting & fixing chrome plated C.P. sink				
	(ii)	Agmeco brand				
	(b)	Sink Coclé two way 1 x 1 = 1 Nos.	each	1	2,171.69	2,171.69
		TOTAL OF WATER SUPPLY ARRANGEMENT - PIPING				45,235.24



PART D: (III) WATER SUPPLY ARRANGEMENT - ELECTRICAL WORKS

S. No.	APWD Building (EW) SOR (2010-11) No.	Particulars of Items	Unit	Quantity	Rate in INR	Amount in INR
1	57	Wiring to a light point with 1.5 SQmm PVC insulated unsheathed 1.1 Kv grade ISI marked as approved by this deptt. Etc . complete				
	(b)	Long point upto 10.00 metre length Qty. = 1 Pt.	each	1	765.19	765.19
2	67	Wiring for circuit wiring with PVC insulated unsheathed. 1.1. Kv grade (ISI marked) single core capper conductor cable. Complete	m	40	81.19	3,247.60
3	193(a)	Installation of earth station with 40mm dia x 4.5mt long G.I. pipe with necessary G.I. R/socket 40mmx20mm size locking arrangement with hinged cover plate etc. Complete	each	1	1,827.92	1,827.92
	(b)	Extra for using salt (5kg) and charcoal (64 kg for pipe earth electrode as required.	each	1	673.87	673.87
4	387	Supplying including fitting and fixing of water supply motor pump set mono block type complete all accessories				
	-2	H.P. single phase (kirloskar make)	each	1	10,422.22	10,422.22
5	237	Supplying fitting of materials	each	1	663.60	663.60
	(i)	MCB 63 AG – Series 10 KASPN MCS				
6	248	Supplying & fitting of switch Disconnection Fuse unit (A0 32 A)	each	1	1,460.55	1,460.55
		TOTAL OF WATER SUPPLY ARRANGEMENT - ELECTRICAL WORKS				19,060.95



FORMAT OF CERTIFICATE

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

Signature
Name & Designation
(Official address)

Place :

Office seal

Date :

