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Item Rate BoQ

Tender Inviting Authority: Principal, Hindu College, University of Delhi

Name of Work: Water proofing and retrofitting work of Science Block, Hindu College, University of Delhi.

Contract No:

Name of the Bidder/ Bidding Firm / Company :						
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Providing and fixing sheet covering over expansion joints with iron screws as per design. Aluminium fluted strips 3.15 mm thick. 200 mm wide	61.15	meter		0.00	INR Zero Only
2	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
2.01	Edges of slabs and breaks in floors and walls	125.00	Meter		0.00	INR Zero Only
2.02	Weather shade, Chajjas, corbels etc., including edges	61.84	Sqm		0.00	INR Zero Only
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more.	3,230.00	Kg		0.00	INR Zero Only

4	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.“(Note :- Cement content considered in this item is @ 330 kg/cum.“Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	34.00	Cum		0.00	INR Zero Only
5	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	122.20	Meter		0.00	INR Zero Only
6	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	209.98	kg.		0.00	INR Zero Only
7	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	5.00	each		0.00	INR Zero Only
8	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. : 100 mm diameter	40.00	each		0.00	INR Zero Only

9	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	162.80	Sqm		0.00	INR Zero Only
10	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	145.80	Sqm		0.00	INR Zero Only
11	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	56.80	Sqm		0.00	INR Zero Only
12	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per anufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	1,858.00	Sqm		0.00	INR Zero Only
13	French spirit polishing : Two or more coats on new works including a coat of wood filler	286.00	Sqm		0.00	INR Zero Only
14	Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547 (Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick/ block/ RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. complete.	1,858.00	Sqm		0.00	INR Zero Only

15	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judiciously, necessary deduction for scaffolding in the existing item to be done.	345.00	Sqm		0.00	INR Zero Only
16	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	34.00	cum		0.00	INR Zero Only
17	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	311.08	Sqm		0.00	INR Zero Only

18	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	34.00	Cum		0.00	INR Zero Only
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 50 mm nominal outer dia Pipes	32.00	meter		0.00	INR Zero Only
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.					
20.01	25 mm nominal outer dia .Pipes.	30.00	Meter		0.00	INR Zero Only
20.02	32 mm nominal outer dia .Pipes.	30.00	Meter		0.00	INR Zero Only
20.03	40 mm nominal outer dia .Pipes.	45.00	Meter		0.00	INR Zero Only
21	Propping and supporting the structural members					
21.01	Steel Prop of up to 5MT Capacity and up to 3.2 m height	56.00	Each		0.00	INR Zero Only
21.02	Extra for every additional height of 0.3 M or part there of	56.00	Each		0.00	INR Zero Only
22	Chipping of existing plaster manually	426.00	Sqm		0.00	INR Zero Only

23	Cleaning reinforcement of total rust by tapping and using mechanical wire brush or any other suitable way including from behind and around the reinforcement bars to give it a totally rust free finished steel surface (Mode of measurement - concrete surface area with exposed reinforcement)	19.84	meter		0.00	INR Zero Only
24	Cleaning exposed concrete surface of lightly sticking materials With wire brush, chisel etc for all height	426.00	sqm		0.00	INR Zero Only
25	Providing and repairing the damaged concrete portion with single component, fibre reinforced, dual shrinkage compensated hixotropic, cementious ptch repair mortar (having the technical parameters mentioned in material specifications) capable of applying 25mm thick in single layer initially by hand and finishing with trowed carefully compacting the same around the rebars and finishing to bring it in line with existing concrete surface withh an average specified thickness inclusive of manpower , material and Equivalent Master Emaco 5348 of BASF Renderoc HB-60 of osroc/Sikadur 41 of Sika or equivalent. 25mm thickess	324.00	sqm		0.00	INR Zero Only
26	Providing and using single component cement based non-shrink micro concrete of approved manufacture by mixing graded stone aggregate 10mm and down and coarse sand as per manufacturers specification & direction of Engineer -in-charge complete as per design and approved by Engineer -in-charge at all floor and all heights.	22.00	cum		0.00	INR Zero Only

27	<p>Shotcreting R.C.C. columns, beams and slabs etc. in layers with approved design mix concrete having the specified minimum characteristic compressive strength with ordinary portland cement , coarse sand and graded stone aggregate of 10mm maximum size in proportion as per dsign criteria including the cost of centring and shuttering at edges and corners etc. as directed by Engineer -in- charge. The rates shall include the providing necessary. The levelling gauges if used shall be paid for seperatly (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/ tapping with a blunt metal instrument). Up to a height of 15m above plinth level. (a) Up to 50 mm thick in grade M-30 with cement not less than 400 Kg per cum.</p> <p>Including Wet curing of shotcreted or plastered surface or RCC work as per specifications by keeping it continuously wet for a minimum period of seven days (with regular sprinkling of water by keeping the surface continuously wet.</p>	40.00	sqm		0.00	INR Zero Only
28	<p>Providing and application of bond coat on the concrete surface by mixing high dispersion SBR latex like MasterEmco SBR2 of BASF with white cement in the ratio of 2:3. The mixing shoul be done to a lump free consistency for the bond coat and the screed/ mortar should be applied once the bond coat is tacky. Master Emco SBR 2 of BASF or Nitobond SBR (Latex) of Fosroc or equivalent.</p>	426.00	Sqm		0.00	INR Zero Only

29	Providing and supplying the one competent, Polymer modified cementitious anti- corrosive primer (having the technical parameters mentioned in material specifications) formulated to provide dual protection of a polymeric barrier and an integral corrosion-inhibiting system, to the existing steel and additional steel provided before patching of damaged areas, using suitable tools and equipment inclusive of Material, Manpower and Equipment. BASF Master Emaco P130/ Fosroc Nitoprime Zincrich /Sika Rustoff 100 or other equivalent (mode of measurement - concrete surface area with exposed reinforcement)	27.00	Sqm		0.00	INR Zero Only
30	Providing and fixing 10mm dia mild steel /HYSD steel U-shaped hooks with two components, styrene & cement free epoxy- acrylate fixing and anchoring compound (having the technical parameters mentioned in material specifications) using standard sealant applicator gun after drilling holes of required diameter to a minimum depth of 75 mm at required locations, for holding / fixing / placing in position the steel mesh reinforcement at desired level/ stretching, inclusive of all material, manpower and equipment Masterflow 935 of BASF/ Lokfix P25 of Fosroc or equivalent	54.00	No		0.00	INR Zero Only
31	Providing and applying single component, reactive, hydrophobic, silane based coating to all the exposed concrete surface. The coating shall have penetrative action blocking pore capillaries but allowing water vapour to come out from the substrate, complete as per direction of Engineer- in -charge. Make-MasterSeal 380 by M/s BAS/ Nitocote SN 502/ SN 511 of Fosroc/ Sikagard 506 of Sika or equivalent.	43.00	Sqm		0.00	INR Zero Only

32	Rebaring by using various diameter 12mm to 25mm. Dia, hilti make chemical (Re-500) max.depth 300 mm.	575.00	Each		0.00	INR Zero Only
33	Providing and fixing CPVC gate valve of approved quality					
33.01	25 mm nominal bore	2.00	each		0.00	INR Zero Only
33.02	32 mm nominal bore	2.00	each		0.00	INR Zero Only
33.03	40 mm nominal bore	2.00	each		0.00	INR Zero Only
34	Providing and fixing CPVC non- return valve of approved quality 40 mm nominal bore					
34.01	Horizontal	2.00	each		0.00	INR Zero Only
34.02	Vertical	2.00	each		0.00	INR Zero Only
35	Providing and fixing uplasticised PVC connection pipe with brass unions :45 cm length					
35.01	25mm nominal bore	2.00	each		0.00	INR Zero Only
35.02	32 mm nominal bore	2.00	each		0.00	INR Zero Only
35.03	40 mm nominal bore	2.00	each		0.00	INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only					