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Item Rate BoQ

Tender Inviting Authority: REGISTRAR, SNBNCBS

Name of Work: Providing Roof Treatment of Main Building and Bhagirathi Guest House of SNBNCBS, Salt Lake.

Contract No: SNB/ENGG/NIT/Roof/2019-20/02

Name of the Bidder/ Bidding Firm / Company :	
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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 #	NUMBER #	TEXT #
SI. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	53	54	55
1	Demolishing cement concrete manually/by mechanical means upto a average depth of 50 mm and bringing down the dismantled debris from roof top (4th Floor) in suitable container/bags and stacking the same within 50 M lead inside the campus as per direction of Engineer-in-charge. Nominal concrete 1:2:4 or richer mix (i/c equivalent design mix).	49.000	cum		0.00	0.00	INR Zero Only
2	Demolishing lime concrete manually/ by mechanical means, bringing down from roof top (4th Floor) in suitable container/bags and stacking the same within 50 M lead inside the campus as per direction of Engineer-in-charge.	19.000	cum		0.00	0.00	INR Zero Only
3	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including bringing down from roof top (4th Floor) in suitable container/bags and stacking the same within 50 M lead inside the campus as per direction of Engineer-in-charge.	234.000	sqm		0.00	0.00	INR Zero Only

4	<p>Providing water proofing treatment to the old terrace slab / mumty roof etc</p> <p>i) Clean the cementitious surface using wire brush and edge grinding machine to remove any dusts, dirt, laitance and ensure the surface to be smooth, dry free from moisture (less than 8%) all in complete. Any right angle corner will be chamfered (12-15 mm) mechanically followed by repairing the same will be done using polymer mortar in 1:4 ratio (cement: sand) admixed with Pidicrete URP or equivalent @ 2-3% by weight of cement or as recommended by the manufacturer.</p> <p>ii) Providing and applying single coat of moisture insensitive PU primer by brush/roller (as per manufacturer's specification), as priming coat, over the prepared dry RCC surface. The primer should conform specific gravity 1.02-1.15, with shore D hardness of minimum 35, and pull of adhesion of minimum 1 MPa</p> <p>iii) Providing and applying, high performance, pure polyurethane based, single component, elastomeric anti root, seamless, waterproof membrane, applied in 2-3 coats over one coat of primer to achieve a DFT of 1.5 mm on the horizontal and on the vertical surface up to minimum 300 mm above FFL. The w/p membrane should have an elongation capacity of over 400% as per ASTM D 412/ DIN 52455, tensile strength of 4-6 N/mm² as per ASTM D 412 / DIN 52455, water vapor permeability- 14 gm/m² per day conforming ISO 9932.91, Solid content – 90% as per ASTM C 836, & root resistant property conforming EN13948, For garden area /planters the coating will be continued till 100 mm above soil filling level, all in complete</p>	2720.000	sqm		0.00	0.00	INR Zero Only
5	Providing and laying 120 gsm geotextile membranes with an overlap of 100 mm on the cured membrane surface with suitable adhesive all in complete.	2720.000	sqm		0.00	0.00	INR Zero Only
6	Providing and laying a rendering screed of avg 50 mm thick in 1:2:4 ratio (cement:sand:6 mm down aggregate) admixed with Pidicrete MPB or equivalent @ 5% by weight of cement or as per requisite % as recommended by the manufacturer & sandwiched with 24 gauge chicken wire mesh all in complete including khurras with neat good finish all in complete. .And allow the surface for water curing for minimum 15 days.	136.000	cum		0.00	0.00	INR Zero Only
7	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	92.000	cum		0.00	0.00	INR Zero Only
8	Disposal and stacking 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, for all leads including all lifts	81.000	cum		0.00	0.00	INR Zero Only

9	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.	9.000	cum		0.00	0.00	INR Zero Only
10	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajja, lintels, bands, plain window sills, column, staircases and spiral staircases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with M30/1:0.75:1.5 ratio concrete (1 cement: 0.75 coarse sand : 1.5 graded stone aggregate 20mm nominal size)	11.000	cum		0.00	0.00	INR Zero Only
11	Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
11.1	i) Columns, Pillars, Piers, Abutments, Posts and Struts	18.000	sqm		0.00	0.00	INR Zero Only
11.2	ii) Suspended floors, roofs, landings, balconies and access platform	63.000	sqm		0.00	0.00	INR Zero Only
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						
12.1	i) Mild steel and Medium Tensile steel bars	1136.000	kg		0.00	0.00	INR Zero Only
12.2	ii) Extra for Corrosion Resistance steel bars	1136.000	kg		0.00	0.00	INR Zero Only
13	15 mm cement plaster on wall surface of mix 1:4(1 cement: 4 medium sand) to external massonry surface, exposed concrete surface including flooring, web to the junction of wall & chajja drop concrete or throating at the surface of the projected member as per direction of Engineer-in-Charge complete to all floors including cost curing and scaffolding etc as required complete.	234.000	sqm		0.00	0.00	INR Zero Only
14	Extra for providing and mixing water proofing material in cement (LW+ or equivalent) @ 200 ml Per bag of Cement for plaster/concrete work in proportion recommended by the manufacturers.	20.000	Ltr.		0.00	0.00	INR Zero Only
15	Finishing walls with Acrylic Smooth exterior paint of required shade on new work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	234.000	sqm		0.00	0.00	INR Zero Only
16	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand) stone ware spout including finishing.	30.000	mtr.		0.00	0.00	INR Zero Only
17	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter.	100.000	mtr.		0.00	0.00	INR Zero Only

18	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification] [Mode of measurement:The affected surface area of reinforcement shall be considered for payment]	20.000	sqm		0.00	0.00	INR Zero Only
19	Miscellaneous Items (Dismantling and re-fixing of existing AC machine) :						
19.1	Taking out carefully of existing AC Machine outdoor units and placing the same at suitable location as directed.	40.000	set		0.00	0.00	INR Zero Only
19.2	Re-fixing of taken out AC machines at the same location after completion of Roof treatment work including supplying/repairing necessary accessories.	40.000	set		0.00	0.00	INR Zero Only
19.3	Providing, fixing and testing of copper refrgerent piping of following sizes for split units duly insulated with nitrile rubber insulation:						
19.31	i) 1/4" dia	20.000	mtr.		0.00	0.00	INR Zero Only
19.32	ii) 1/2" dia	20.000	mtr.		0.00	0.00	INR Zero Only
19.33	iii) 3/4" dia	20.000	mtr.		0.00	0.00	INR Zero Only
19.34	iv) 3/8" dia	20.000	mtr.		0.00	0.00	INR Zero Only
19.35	v) 5/8" dia	20.000	mtr.		0.00	0.00	INR Zero Only
19.4	Painting (double coats) of Existing M.S. angle structure before re-fixing with approved quality paint	20.000	set		0.00	0.00	INR Zero Only
19.5	Feeding of R-22 Refrigerant Gas if required	50.000	kg		0.00	0.00	INR Zero Only
19.6	Supplying, fixing MS angle for hanging of outdoor AC units from wall including painting double coats approved quality of paint, making holes, grouting with cement mortar all complete as directed	400.000	kg		0.00	0.00	INR Zero Only
20	GST @ 12%	1.000	lump sum	0.00	0.00	0.00	INR Zero Only
Total in Figures					0.00	0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only						