Item Rate BoQ

Tender Inviting Authority: Chief general Manager, DPSP, NABARD Head Office, Mumbai

Name of Work: Terrace waterproofing works at Bank's Residential Quarters, NABARD Park, Santacruz West, Mumbai.

Contract No: NB. DPSP /153842/Terrace Waterproofing Works-NP Santacruz/2024-25

Name of the Bidder/ Bidding Firm /										
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent 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 #				
SI. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Including GST Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words				
1	2	4	5	13	54	55				
1	CRACKFILLING ON PARAPET WALL (UP TO CHAJJA) & MUMTY ROOMS: Providing and applying crystalline mortar by mixing in the ratio of 4,5:1 (4.5 parts crystalline mortar: 1 part water) for the treatment of cracks and spalled & honeycombed surface of parapet wall and mumty rooms. The crystallie mortar shall conform to the EN 1504-3 having compressive strength Class R3 >= 1.5 MPa. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for to years against any leakage. For sealing cracks, routed out/ making U-shape groove size 25×25 mm and then primed the area with integral crystalline slurry @0.05 kg/running metre and while the surface is tacky filled the groove upto surface with crystalline mortar @1.50 kg/running metre. Once crystalline mortar is touch dry then finally applied two coats of integral crystalline slurry @0.05 kg/running metre per coat.	300.000	R.Mtr.		0.00	INR Zero Only				
2	REPAIRS TO PLASTER ON PARAPET WALL (UP TO CHAJJA) & MUMTY ROOMS: Repairs to plaster with sand faced plaster in patches of area 2.5 sq.meters and under. Cutting the patch in proper shape, raking out joints and preparing the surface. Providing sand faced plaster in cement mortar using approved screened sand, including base coat of 12 mm thick in cement mortar 1:5 (1 cement 1: 5 coarse sand) using waterprofing compound as per manufacturer specification and curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:3 (1 cement: 3 coarse sand) finishing the surface rough with sponge by taking out grains and curing (for fourteen days). Including disposal of rubbish to the dumping ground, including cost of Jhula and Complete in all respect as per the direction of Engineer. in-Charge.	795.000	Sq.Mtr.		0.00	INR Zero Only				
3	PMM REPAIR WORK UP TO 30 MM ON WALL (UPTO CHAJJA) & MUMTY ROOM :Repairing to the existing RCC structural members (vertical or horizontal) using ready mix Polymer Modified Mortar (Pibre reinforced structural grade repair mortar) of approved brand where the thickness of repair is up to 30 mm. Surface preparation- All lose traces of concrete or mortar, dust, grease oul, etc. must be removed. Damaged or contaminated concrete shall be removed to obtain a keyed aggregate exposed surface. Clean the surface using high pressure water blasting. Clean all exposed reinforcement to a minimum grade of Sa 2 according to ISO 8501-1 / ISO 2944-4. Ensure all visible portions of the reinforcing bars is clean. Where reinforcing bars are corrosion products from around reinforcing bars and coat with approved epoxy coating for corrosion protection as recommended by the Engineer. Replace the affected part of rebar if the diameter on the advice of the engineer. Bond Coat-Providing & applying One coat of structural grade epoxy bond coat by bruns conforming to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened and repairing with PMM shall be done when the surface is tacky. Mixing - Only full bags are mixed. Damaged or opened bags should not be used. Mix the ready-mix Polymer Modified Mortar in a forced action pan mixer, or with a helical paddle attached to a low speed (300-600rpm) mixer for 3 minutes until a lump free, thixotropic consistency is achieved. Only use clean water. Mixing water needed: 3.75 to 4.25 litres per 23kg bag or as recommended by the Manufacturer of Polymer Modified Mortar. Allow the mortar to rest for 2 - 3 minutes and the remix briefly before pouring into formwork. If temperature more than 40°C then use child water for mixing. Mortar application and for at least 24 hours thereafter for optimum curing of the product. The prepared substrates bould be presoaked, preferably for 24 hours, burs before applying Polymer Modified Mortar, and we to note primer as of the material with the necesary pr	100.000	Sq. Mtr.		0.00	INR Zero Only				
4	PARAPET WALL AND MUMTY ROOM WATERPROOFING: The surface must be cleaned with stiff nylon/wire brushing, followed by water jet cleaning. Algae and fungus on terrace roof shall be treated with a fungicidal solution. Strip all the old paint / putty and remove all the loose particles if any. All cracks up to 3 mm in width should be opened up 5 mm making the V groove and fill with approved crack filler paste as per the manufacturer specifications. Mix coating at slow speed with drill and mixing paddle to ensure uniform mixing of material. Apply a self-primer coat if flaking or scaling is observed. Roller/Brush/Spray apply one coat of approved Elastomeric External Waterproofing Basecoat without water dilution maintain the spreading rate of 4 sq. mtr per litre / coat application to achieve about 20 microns DFT. The second coat of approved Elastomeric External Waterproofing Topcoat in desired color shade with interval of 7 hours without any dilution. Maintain the spreading rate of 6 sq. mtr per litre / (coat application to achieve about 60 microns DFT. The material should have Tensile strength for minimum 2,5 Mpa; Elongation of min	2650.000	Sq.Mtr.		0.00	INR Zero Only				
5	REPARTS TO BROKEN CHINA MOSAIC ON TERRACE TOP: Evaluate the debonding of china mosaic tiles on the terrace roof by tapping with a nylon hammer. Give special attention to areas around roof penetrations, ponding spots, and parapet wall junctions. Wherever proper slope is not there, the area has to be give proper slope by redoing china mosaic flooring in that patch. Tapping and identifying the hollow and broken china Mosaic and Laying the flooring of broken China-mosaic (broken pieces of China glazed tiles) of approved colour set in 25 mm. average bed of C.M. 1:3 with waterprofong compound to correct level and slope (1:100) well compacted and finished; such that China mosaic chips covers total area of slab. Proper slope and neat finishing. Complete including disposal of rubbish to the approved dumping ground.	285.000	Sq.Mtr.		0.00	INR Zero Only				

6	TOPCOAT WATERPROOFING ON TERRACE:	1890.000	Sq.Mtr.		0.00	INR Zero Only
	Surface Preparation: The roof must be cleaned with stiff nylon and wire brushing, followed by high-pressure water jet cleaning. Algae and fungus on terrace roof shall be treated with a fungicidal solution. Existing coatings should be removed by mechanical methods like grinding and wherever required, grinding has to be done to enhance the adhesion and bonding of coatings to china mosaic flooring. Rainwater Outlets/Other Areas Treatment: Chipping the surface around the rainwater drain outlet mouth up to 25mm in depth. Apply a bond coat of SBR based polymer admixed with integral waterprofing compound & cement mixed in the ratio of 1:1 (polymer 1: Cement 1) by volume over the corners and pipe insert outlet gaps. Filling the gaps around drain mouth with (PMM) polymer modified mortar mixed with waterprofing bonding agent 10% by weight of cement in the ratio of 1:3. Providing & fixing 100 mm width 45gsm glass fiber mesh all around the periphery of drain mouth of rainwater outlet sandwiched with waterprofo coating. Apply the second coat on an interval of 4-6 hours, all over the rainwater outlet. Treatment of other areas may be executed as per the engineer in charge.					
	Waterproofing Coat On Terrace: Apply one self-priming coat of approved PU based roof waterproof topcoat as per manufacturer specifications, at the rate of 10 sq. m./ltr. Allow it to dry for 3 hours. Apply the first coat of approved PU based roof waterproof topcoat coating at a rate of 2 sq.m./ltr./coat. Allow the coating to air cure for a minimum of 6 hours to walk, and apply a second coat at oo ⁺ to the first coat. Apply second coat, at the rate of 2 sq.m./ltr./coat. Allow the coating to air cure for a minimum of 6 hours to walk, and apply a second coat at oo ⁺ to the first coat. Apply second coat, at the rate of 2 sq.m./ltr./coat. Allow the coating to air cure for a minimum of 6 hours to walk, and apply a second coat at oo ⁺ to the first coat. Apply second coat, at the rate of 2 sq.m./ltr./coat. Allow the coating the first coat. Apply on increases of about 500 microns. The coating should be terminated below the drip mold on the vertical surface. All corners, gaps, joints, and roofleak repair area and outlets shall be coated with two extra coats. Air cures the coating for 7 days. The waterproofing coat should have Volatile Organic Compound (VOC) less than 2.5%, Tear Resistance greater than 15 N/sq.mm, Crack Bridging Ability of minimum 2 mm. The work shall be taken up through manufacturer approved applicator. The treatment should provide to years warranty for the terrace waterproofing work. Clear horizontal measurement between walls will be paid for actual. All above operations to be done in order and as directed and specified by the Engineer-in-charge.					
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				