

COMMERCIAL BID

Tender Document No:6300036922

Sub: Providing APP membrane water proofing in terrace area of Admin building, BEML Regional office, Taratola Road, Kolkata.

Sl. No.	Item Description	Unit	Qty	Basic Unit Rate (Rs)	Basic Extended Amount (Rs)
1	Removing the existing damaged water proofing membrane including the existing chemical coating from roof surface and preparing the surface by scrapping, removing all dirt, laitance, contaminants and highspots including disposal of debris to a far place not objected by any civic authorities etc complete all as specified and directed by Officer-in-charge.	Sqm	300.00		
2	Chipping, removal of loose and porous mortar & cleaning around the rainwater drain pipes and filling the Gaps with Micro Conflow blended with cement, graded fillers and additives including water proofing plastering etc complete all as specified and directed by Officer in charge	Nos	5.00		
3	Providing and Laying in position Screed Concrete of mix 1:2:4 using 12mm down graded granite aggregate of required thickness including mixing with water proofing chemical compound of M/s Fosroc/Sika/Dr.Fixit/Technicol Ultaplast and curing etc complete all as specified and directed by Officer-in-charge.	Cum	1.00		
4	Providing and Constructing burnt brick masonry wall of required thickness in cement mortar 1:6, using table moulded bricks of first quality, conforming to relevant IS including necessary curing etc., complete all as specified and directed by Officer in charge.	Cum	1.00		
5	Rendering in cement mortar 1:4, 20mm thick (avg)on brick/concrete surface, finishing the surface even and smooth using extra cement including addition of waterproofing compound and necessary curing etc., all as specified and directed by Officer in charge	Sqm	10.00		
6	Removing the existing 2000 to 3000 Liters PVC over head tank carefully and Refixing back in the same location with water pipes connections etc complete all as specified and directed by Officer in charge	Nos	1.00		
7	<p>Providing and laying water proof treatment by using 3mm thick heavy duty Atatic Polypropylene (APP) Membrane of M/s Fosroc/Sika/Dr.Fixit/Technicol Ultaplast by preparing the surface by clearing of all foreign matter by wire brushing etc., all as detailed (a) Widening the existing wall cracks by making 'V' grooves and cleaning the dust, dirt etc., and sealing the same with a crack filling compound (b) Injection Grouting by using plasticized expandable grouting (CEBEX 100 of M/s Fosroc or equivaelnt of M/s Sika/Dr.Fixit) added with the neat cement slurry including locating, marking drilling and fixing PVC nozzles using rendrock plug -quick setting cement (c) Applying a coat of Bituminous primer conforming to relevant IS (d) Providing Hot applied bitumen (tack coat) conforming to IS over Primer surface(e) Providing 3mm thick APP membrane sheet (weight of the membrane should not be less than 3.0 Kg/SM)of M/s Fosroc/Sika/Dr.Fixit/Technicol Ultaplast and fixed neatly on the hot applied bitumen surface for proper bonding including torching etc., wherever necessary. Extra care to be taken to at lap joints for proper bonding.(f) Applying 2 coats of heat resistant aluminum paint on the bitumen surface.</p> <p>Note: i) Clear & Finished area only will be taken for the purpose of measurement & lap will be deemed to be included in the quoted rate.ii) Lap should be of 75mm width for horizontal and 100mm width for vertical surface and joints should be sealed with torching. iii) Work has to be carried out by removing vegetation (if any) thoroughly all as per the directions of Officer in charge. iv) The defect liability period for this work will for 5 years from the date of completion of the work and the contractor has to attend to any type of defects during the said warranty period free of cost.</p>	Sqm	400.00		
Total Basic Rate (Rs)					
					CGST
					SGST
					IGST
Grand Total Inclusive of Gst					