

BEML LIMITED, BANGALORE

Tender Ref: 6300038651

Date: 20.12.2023

ISSUED TO:	Period of contract:	04 Months
	Defect Liability Period	05 Years
	EMD : (Rs)	40,340/-

Sub: Providing Waterproofing Treatment to RCC Roof of BEML Medical Centre at BEML Township, Bangalore Complex, Bangalore.

SCHEDULE 'A' - BILL OF QUANTITIES

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
1	Complete removal of the existing APP Membrane including damaged cement mortar/ plastering of any thickness provided over the RCC roof slab, parapet wall & chajja top carefully without damaging the existing structure and disposal of debris outside the site premises exceeding 1.5KM & not exceeding 5.0 KM which is not objected by any Civic authorities including tools, tackles etc., complete, all as specified and directed by Engineer in charge.	Sq.M	1700.00		
2	Cleaning the Roof slab using wire brushes, water washing and removal of rank vegetation, all foreign materials and applying a coat of cement slurry with cement at the rate of 3kg/Sqm over the thoroughly cleaned roof slab as a preparatory course including tools, tackles etc., complete all as specified and directed by the Engineer in charge.	Sq.M	800.00		
3	Providing plastering 20mm thick in cement mortar of mix proportion 1:4 over roof slab/concrete surface and admixed with M/s. Fosroc make CONPLAST X42 IC/WL (200ML/Bag of cement) and the surface finished smooth and even etc., complete all as specified and directed by the Engineer-in-charge. Note: M/s. Fosroc Conplast X42 IC/WL water proofing chemical shall be measured & paid separately under relevant item.	Sq.M	700.00		
4	Providing Plastering 15mm thick in cement mortar of mix proportion 1:6 over existing brick/concrete surface of parapet walls & chajjas and admixed with M/s. Fosroc make CONPLAST X42 IC/WL (200ML/Bag of cement) and the surface finished smooth and even etc., complete all as specified and directed by the Engineer-in-charge. Note: M/ Fosroc Conplast X42 IC/WL water proofing chemical shall be measured & paid separately under relevant item.	Sq.M	100.00		
5	Supplying and mixing M/s. Fosroc make CONPLAST X42 IC/WL while rendering for the roof slab and parapet wall surfaces as per Manufacturers instructions (200ml/bag of cement) etc., complete all as specified and directed by the Engineer in charge.	Ltrs.	25.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
6	<p>Providing & applying Bitumat Synroof Hi – Build elastomeric premium quality liquid waterproofing system as detailed below:</p> <p>a) Supplying and applying premium quality acrylic waterproofing primer @ 250 grams per square meter after diluting as per the manufacturer's recommendations by allowing 3 to 4 hours for the primer to dry completely.</p> <p>b) Applying 2nd coat of premium quality acrylic waterproofing coating @ 350 grams per square meter using roller / brush after diluting as per the manufacturer's recommendations and simultaneously over this install 60 GSM thermally stabilized polyester reinforcement with 100mm side Laps and 150mm end laps and applying additional coat of premium quality acrylic waterproofing coating @ 350 grams per square meter using roller / brush.</p> <p>To Ensure there are no wrinkles or folds on the reinforcement membrane and allow it to dry for 24 hours.</p> <p>Applying final coat of premium quality acrylic waterproofing system @ 350 grams per square meter using roller / brush after diluting as per the manufacturer's recommendations after 24 hours of drying.</p> <p>All dilutions shall be strictly as per the manufacturer's instructions as shown in the product catalogue.</p> <p>The same system shall be carried out over the vertical areas like parapets if any.</p> <p>Note 1) All materials shall be produced with samples and to obtain prior approval of EIC before commencing the work</p> <p>2) The water proofing materials shall be tested as per the standards prescribed from the reputed laboratory for the following parameters and cost involved for conducting such test shall be borne by the Firm. The quoted rate shall be deemed to include for the cost of testing:</p> <p>a) Solid content (%)</p> <p>b) Viscosity (CPS)</p> <p>c) Density (Kg/l)</p> <p>d) Curing time (Touch dry time) at 27 degree Celsius.</p> <p>e) Tensile strength and Elongation %</p> <p>f) Hardness- Shore A scale.</p> <p>g) Permeability(Depth of penetration) mm.</p> <p>h) Coverage (Kg/m2).</p> <p>. Note: The rate quoted is deemed to include for providing & erecting scaffolding, staging/ladder & providing safety nets wherever necessary and protective measures etc.,complete all as specified & directed by Engineer in Charge</p>	Sq.M	1700.00		
7	<p>Removing the existing old PVC/AC/Cast iron Pipes of any diameter and Supplying & fixing new 110 mm diameter PVC pipes (6kg/cm2) for rain water down take of first quality, approved brand, manufactured by M/s.Supreme/Astral conforming to relevant IS including all standard fittings like elbows, bends, tees, PVC Y & fixtures such as pipe clips, clamps wooden plug, screws, washers etc secured firmly to the wall/floor surfaces etc.,complete all as specified and as directed by Engineer in charge.</p>	Rmt	100.00		
<p>Note:-1. The rate quoted for the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary.</p> <p>2. The Defect Liability Period for this work will be 5 years from the date of satisfactory completion of the work.</p> <p>3) The contractors/ prospective bidders shall visit the site and acquaint themselves with the site conditions before submission of bid/ quote.</p>					
	Total value of work excluding GST (Rs).				
	GST (Rs).				
	Total value of work inclusive of GST (Rs)				

(Total Amount in words Rupees.....)

.....)

Signature of the Contractor with seal