

TENDER NO: 6300036783

Date: 20.11.2021

ISSUED TO:	Period of contract:	03 Months
	EMD :	Rs. 32,720/-
	Defect Liability Period	03 Years

Sub: Arresting roof leakages above roof of R & D & Bills Payable Building in Bangalore Complex, BEML Ltd, Bangalore.

SCHEDULE 'A' - BILL OF QUANTITIES

Sl. No.	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
1	Preparing and cleaning the existing roof surface by removing all foreign matter by wire brushing & complete removal of existing old water proofing membrane over RCC roof slab, parapet, chajjas and stacking at a place all as shown etc., complete all as specified and as directed by Engineer in charge.	Sq.M	1200		
2	Complete chipping and removal of existing old cement plaster of any thickness over RCC roof slab/ parapet /chajjas including stacking at a place all as shown etc., complete all as specified and as directed by Engineer in charge.	Sq.M	1200		
3	Cleaning the existing roof slab using wire brushes etc., and applying a coat of cement slurry with cement at 3Kg/Sqm area over the thoroughly cleaned roof slab as a preparatory course before rendering etc., complete all as specified and as directed by Engineer in charge.	Sq.M	935		
4	Dismantling of existing overhead RCC Watertank of any description, segregating the serviceable and unserviceable materials & stacking at a place all as shown etc., complete all as specified and directed by Engineer in Charge.	Cum	11		
5	Rendering/ plastering over RCC roof slab in cement mortar 1:4, 20mm thick with proper slope & gradient, admixed with M/s fosroc make CONPLAST X42IC/WL (200ML/Bag of cement) including curing etc., complete all as specified and directed by Engineer in Charge. Note: Conplast X42IC/WL water proofing chemical shall be measured & paid separately under relevant item.	Sq.M	910		
6	Rendering / plastering the parapet and chajjas in cement plaster 1:6, 15mm thick over existing brick /concrete surfaces admixed with M/s. Fosroc make CONPLAST X42 IC/WL (200ML/Bag of cement) and the surface finished smooth and even including curing etc., complete all as specified and directed by Engineer in Charge. Note: Conplast X42 IC/WL shall be measured & paid separately under relevant item.	Sq.M	310		

Sl. No.	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
7	Supplying and mixing M/s Fosroc make CONPLASTX42IC/WL Water proofing chemical in cement mortar for rendering the roof slab, parapet, chajjas etc., all as per manufacturers instructions (200ml/bag of cement) etc, complete all as specified and directed by Engineer in Charge.	Ltrs	42		
8	Cutting of tree branches at heights up to a length of 3.0M to 5.0Mts & stacking of serviceable materials & disposal of unserviceable materials to a distance not exceeding 50Mtrs & clearing the site etc, complete all as specified and as directed by Engineer in charge.	Nos.	15		
9	Removing the existing old broken PVC/CI/AC Pipes of any diameter, and supplying and fixing new 110mm dia PVC class 2 pipes (6kg/cm <sup>2</sup> ) for rain water downtake of first quality approved brand conforming to relevant IS manufactured by M/s. Supreme/ Astral, including all standard fittings like elbows, bends tees, tail pieces & fixtures such as pipe clips, clamps wooden plug, screws, washers etc secured firmly to the wall / floors etc, complete all as specified ad as directed by Engineer in charge. Note: The rate quoted is deemed to include for all wastages.	RM	145		
10	Providing and laying 5 course water proof treatment by using 3mm thick heavy duty Atatic Polyproplene (APP) Membrane of M/s STP/Sika/Pidilite by preparing the surface by removing all foreign matter by wire brushing etc, all as detailed below.	Sq.M	1060		
	i) Applying a coat of oil based Bituminous primer conforming to relevant IS at 0.70 Liters/Sqm.				
	ii) Providing Hot applied bitumen of grade 90/15 conforming to relevant IS at 1.20Kg/Sqm over primer surface.				
	iii) Providing 4mm thick APP membrane sheet reinforced with polyster non woven fabric (wt. not less than 150grams per Sqm and the weight of the membrane shall not be less than 3.5Kg/Sqm) fixed neatly on the hot applied bitumen surface for proper bonding including torching etc; wherever necessary. Extra care to be taken at lap joints for proper bonding.				
	iv) Providing Hot applied bitumen of grade 90/15 conforming to relevant IS at the rate 1.20Kg/Sqm of surface on the APP surface as a sealing coat.				
	v) Providing and applying 2 coats of heat resistant aluminium paint at the rate of 0.10 liter/Sqm. for each coat on the bitumen surface.				

Sl. No.	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
	Note:- i) Lap shall be of 75mm width for horizontal and 100mm width for vertical surface and joints should be sealed by torching. ii) Clear & Finished surface area excluding lap area shall be measured for payment and the quoted rate shall be deemed to include for the same iii) Work has to be carried out after removal of vegetation if any thoroughly all as per the directions of Engineer in charge.iv) Rate quoted is deemed to include for all wastages.				
11	Removing the debris from the site premises and disposing outside the factory premises at a distance not exceeding 5.00KM etc complete all as specified and directed by Engineer in charge.	Cum	72		
NOTE: (1) The bidders to visit the site and acquaint with the site conditions before submission of quotations.					
(2)The rate quoted for all the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary as per site conditions.					
	Total Value of work excluding GST (Rs)			Rs.	
	GST			Rs.	
	Total Value of work inclusive of GST			Rs.	

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

Signature of the Contractor  
with seal