

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM - HYDERABAD - 32

Schedule-A PRICE BID

TENDER NOTICE NO: HY/TA/OT-08/2019-20, DATE.10.10.2019

Name of Work: Attending Roof Leakages in quarters by using modified APP membrane Technology.

S.No	Description of Material	Ref.	Qty	Unit	Rate	Amount (In Rs.)
1	<p>Labour charges for laying of APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane.</p> <p>Application Methodology is as follows:</p> <ul style="list-style-type: none"> • Cleaning of existing surface. • Apply a coat of Shalikote T-30 Primer @ 0.300 Grms / Sqmtr and allow it to dry. • Apply a coat of Bitumen 85/25 is 702 @ 1.2 Kg per Sqmtr • On the primed surface start laying of membrane at lowest point of the slope roof and progress to the higher point Unroll the membrane half-way, align the side laps and fix super thermo lay 3 mm (Plain) APP membrane by using a LPG torch and applying uniform pressure with a roller / wet cloth to ensure to remove entrapped air if any. • Flame should be moved in shape of 'L' applying about 75% of the heat to the roll and 25% to the substrate including the lap area of previously installed membrane. The flame should be moved across the width and upto the lap edge while membrane is slowly unroll and adhered to the under lying surface. • Heat both layers of membrane at the overlap and used round tipped hot towel to seal the overlap. Excess compound should be smoothen and pressed into seam using hot trowel. Overlap joint shall be provided of 75 mm in longitudinal direction and 100mm in transverse direction. • Seal the joint with 85/25 grade bitumen. <p>Note: Only APP Membrane will be FREE Issue from BHEL, remaining all other required materials and tools are in contractor scope only.</p>	DSR-2012 22.19.1	15000	Sq.Mts	109.76	1646400.00
2	Dismantling and removing old plaster/ Old APP membrane or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 meters lead as per direction of Engineer-in-charge.	DSR-2012 15.56	5000.00	One Sqm	15.00	75000.00
3	Providing & laying in position cement concrete....1:2:4 (1 cement : 2 coarse sand : 4 graded granite stone aggregate) 20 mm nominal size including curing , cost of all materials as per direction of Engineer-in-charge. (Only cement will be free issued By BHEL)	DSR-2012 4.1.3	20.00	One Cum	2459.13	49182.60
4	Cement Plaster (in fine sand) 20 mm, 1:4 (1 cement :4 fine sand) as per direction of Engineer-in-charge. (Only cement will be free issued By BHEL)	DSR-2012 13.3.1	500.00	One Sqm	128.50	64249.54
5	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes (Prince / Sudhakar make) conforming to IS:13592 Type -A including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.(i) Single socket pipes 110 mm dia as per direction of Engineer-in-charge.	DSR2012, 12.41.2	100.00	One Rmt	186.75	18674.98
6	Brick work with ground moulded bricks in cement mortar 1:6 (1 cement : 6 coarse sand) including curing, cost of all materials etc complete all as directed by Engineer-in-charge. (Only cement will be free issued By BHEL)	DSR-2012 6.1.2	10.00	One Cum	2744.22	27442.20
7	Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge ,In cement mortar	DSR2012, 15.7.4	50.00	Cum	566.60	28330.00

8	Cement plaster skirting (upto 30cm height) with cement mortar 1:3 (1cement 3 coarse sand) finished with a floating coat of neat cement for roof slope correction. (Only cement will be free issued By BHEL)	DSR2012, 11.6.1	200.00	One Sqm	153.98	30796.00
9	Labour for removing and refixing Placing on Terrace (at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes .	SOR 13-14 BMW-G.02	160.00	Each	600.00	96000.00
10	Labour charge for Removing of 12.7 mm GI pipe and refixing the same.	SOR 13-14 BMW-I.77	160.00	RMT	57.00	9120.00
11	Labour charge for Removing of Removing 19.05 mm GI pipe and refixing the same.	SOR 13-14 BMW-I.78	160.00	RMT	64.00	10240.00
12	Labour charge for Removing of Removing 25.4 mm GI pipe and refixing the same.	SOR 13-14 BMW-I.79	160.00	RMT	95.00	15200.00

Total Amount Rs. **20,70,635**

Tender %	In words	Figures
Excess		
Less		
Estimate		

Notes-

1	A penalty of 0.5% of the gross value of the work will be levied for every weeks delay in work subject to a maximum penalty of 10% of the gross value of work.
2	If the contractor do not execute the work / budget within stipulated time, 20% of unexecuted awarded value of work / budget shall be imposed as penalty and shall be recovered from the bills. This is in addition to point 1.
3	Any liquidity Damages, a penalty of 0.5% of the gross value of the work subject to a maximum penalty of 10% of the gross value of the work shall be recovered from the bills.
4	If agency could not perform the work with authorised supplier person and could not submitted the authorised supplier letter, 20% of the value of the total work done value shall be withheld from the bills.
5	If the submitted authorised letter is fake / found to be wrong, Entire value of the Security Deposit shall be recovered.
6	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
7	Contract Period of the work is 04 Months . The maintenance period of the work is 05 Years . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.
8	All the terms & conditions of the contract with respect to Taxes & Duties are subject to the new taxation laws introduced from time to time (e.g., GST). The terms & conditions will be modified in accordance with the provisions of new laws (e.g., GST)
9	Only APP membrane and cement will be free issued by BHEL , Other required the materials are in contractor scope including all the necessary fittings.
10	Electricity , water charges will be recovered as per rules.