

नेशनल फटीलाइजस लिमिटेड						
सिविल इंजिनियरिंग विभाग बठिंडा इकाई						
SCHEDULE OF QUANTITIES FOR THE WORK OF Providing and Laying APP membrane water proofing treatment over Parabolic roof of Silo and other Buildings in Factory areas						
Ref : NIT No. NFB/Civil/CW/324 dated 23.02.2024				DUE DATE OF RECEIPT OF TENDERS : 27.03.2024 UPTO 1500 HOURS		
Item No.	DESCRIPTION OF ITEM	UNIT	Qty	RATE (IN RS.) including GST		AMOUNT including GST
				(A)	In Figure (B)	In words
1	Removal of existing bitumen based sheet waterproofing treatment by cutting, cleaning, the exposed surface by thoroughly scrapping / brushing without damaging the roof slab including disposal of debris to dump area as per directions of Engineer-in-Charge.					
a	On Flat roof surface of buildings at all heights	Sq. M.	2415.00			
b	On Parabolic roof surface of silo	Sq. M.	1500.00			
2	Grading Roof for Water proofing treatment Cement concrete 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20mm nominal size)					
a	On Flat roof surface of buildings at all heights	Cum	5.00			
3	15mm cement plaster on the rough side of single or half brick over roof or any required surface of wall of mix including stagging/ scaffolding with max height of 20 Meter complete in all respect					
a	1:6 (1 cement : 6 fine sand).	Sq.M	50.00			
b	1:4 (1 cement : 4 fine sand).	Sq.M	50.00			

नेशनल फटीलाइजर्स लिमिटेड						
सिविल इंजिनियरिंग विभाग बठिंडा इकाई						
SCHEDULE OF QUANTITIES FOR THE WORK OF Providing and Laying APP membrane water proofing treatment over Parabolic roof of Silo and other Buildings in Factory areas						
Ref : NIT No. NFB/Civil/CW/324 dated 23.02.2024				DUE DATE OF RECEIPT OF TENDERS : 27.03.2024 UPTO 1500 HOURS		
Item No.	DESCRIPTION OF ITEM	UNIT	Qty	RATE (IN RS.) including GST		AMOUNT including GST
			(A)	In Figure (B)	In words	(IN RS.) (Ax B)
4	<p>Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layers , 3 mm thick water proofing membrane, black finished reinforced with non-woven polyster matt consisting of a coat of bitumen primer for bitumen membrane@ 0.40 ltr/sqm by the same membrane manufacture of density at 25 degreeC,0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc. and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23 degree C as 650/450 N/5 cm. Tear strength in longitudinal and transverse direction as 300/250 N.Softening point of membrane not less than 150 degree C . Cold flexibility shall be upto -2degreeC when tested in accordance with ASTM, D-5147.Material must be of following makes :-M/s Tiki Dan / M/s Bitunil / M/s Sika / Dr Fixit / M/s Supreme Bituchem / M/s IWL / M/sGeneral Membrane Co / M/s Bitumat/ M/s.Forsoc/ M/s. STP Ltd.The rates shall also be including of following activities :</p> <p style="text-align: center;">I. For Providing, erection and removal of staging / scaffolding as per site requirement complete with all safety precautions.</p> <p style="text-align: center;">II Surface preparation by wire brushes to remove all loose particles, dirt,etc from the roof surface and repair the same, if required, complete.</p> <p style="text-align: center;">III Application of bitumenous aluminium paint @ 0.10 Ltr./ Sq.M. (two coats)</p>					
a	On Flat roof surface of buildings at all heights	Sq. M.	2415.00			
b	On Parabolic roof surface of silo	Sq. M.	1500.00			

नेशनल फटीलाइजर्स लिमिटेड						
सिविल इंजिनियरिंग विभाग बठिंडा इकाई						
SCHEDULE OF QUANTITIES FOR THE WORK OF Providing and Laying APP membrane water proofing treatment over Parabolic roof of Silo and other Buildings in Factory areas						
Ref : NIT No. NFB/Civil/CW/324 dated 23.02.2024				DUE DATE OF RECEIPT OF TENDERS : 27.03.2024 UPTO 1500 HOURS		
Item No.	DESCRIPTION OF ITEM	UNIT	Qty	RATE (IN RS.) including GST		AMOUNT including GST (IN RS.) (Ax B)
				In Figure (B)	In words	
5	<p>Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric coats of undiluted elastomeric waterproofing liquid (dry film thickness of completewaterproofing liquid (dilution with water in the ratio of 3:1) and two application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire after scrapping and properly cleaning the surface to remove loose particles with wire brush at flat roof of building/structure of height up to 25 meter.</p> <p style="text-align: center;">The rates shall also be including of following activities :</p> <p>I. Removal of existing bitumen based sheet waterproofing treatment by cutting, cleaning the exposed surface by thoroughly scrapping / brushing without damaging the roof slab including disposal of debris to dump area as per directions of Engineer-in-Charge.</p> <p style="text-align: center;">II</p> <p>Surface preparation by wire brushes to remove all loose particles, dirt,etc from the roof surface and repair the same, if required,</p>	Sq. M.	102.64			
6	TOTAL (Including GST)					
7	Rate of GST Considered in above Rates ----- %					
Note:						
1	Measurements shall be taken for finished area only.					
2	Kindly refer the clause no. 3 of STC i.e. Scope of work					
3	Party has to quote the rate of GST considered in item rate at S.No. 7					