

MAHARASHTRA STATE WAREHOUSING CORPORATION

583/B, MARKET YARD, GULTEKADI, PUNE-411037

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STANDARD ESTIMATE FOR CONSTRUCTION OF 1/3000 MT CAP. PRE ENGINEERED WH BLDG WITH ANCILLARY WORKS

I.N.20. P & f Steel rolling shutter 20 gauge

	Qty	Rate	Amount			
1- Basic rate I.No.39.24/318	1.00	4310.00	4310.00			
2 - Add for central lock M R	1.00	150.00	150.00	2.10	2.55	5.36
3 - Add for painting not considered in basic rate						
1x 2 x 1.14 x 2.20 x 2.55 = 12.79						
1x 1 x 2.40 x 1.25 = 3.13						
Total = 15.92 sq m	15.92	80.00	237.83			
I.N. page no 35.09/287						
4. M R Diff for weight of R S	14.01	0.00	0.00			
5. Handles	4.00	35.00	140.00			
Total			4837.83			
Say			4837.83			

I.N.19-C P & f Steel rolling shutter 20 gauge with Mechanical gear arrangement

	Qty	Rate	Amount			
1- Basic rate as per D.S.R.I N 39.25/318	1.00	4730.00	4730.00			
2 - Add for central lock M R	0.00	150.00	0.00	3.00	3.50	10.50
3 - Add for painting not considered in basic rate						
1x 2 x 1.14 x 3.60 x 4.00 = 32.83	32.83					
1x 1 x 2.40 x 1.25 = 4.75	4.75					
Total = 37.58 sq m	37.58	80.00	286.34			
I.N. page no 35.09/287						
4. M R Diff for weight of R S	18.67	0.00	0.00			
5. Handles	4.00	35.00	140.00			
Total			5016.34			
Say			5016.34			

I.N.20.C P & f Steel rolling with grilled shutter 20 gauge

	Quantity	Rate	Amount			
For area 2.10 x 2.55 = 5.355 Sq.M				2.10	2.55	5.36
1- Basic rate I.No.39.24/318	1.53	4310.00	6594.30			
[5.355 - (2.25 x 1.7)] = 1.53						
2- Add for grilled Rolling Shutter	3.83	2500.00	9562.50	102.24	10.76	1100.10
[2.25 x 1.7] = 3.82 Sq.M						
3 - Add for central lock M R			0.00			
4 - Add for painting if not considered in basic rate						
1x 2 x 1.14 x 2.20 x 2.55 = 12.79						
1x 1 x 2.40 x 1.25 = 3.13						
Total = 15.92 sq m	7.21	80.00	576.83			
[15.92 - 3.82] = 12.10 Sq.M						
4-A - Add for painting for grilled work	3.82	80.00	305.60			
I.N. page no 35.09/287						
4. M R Diff for weight of R S	14.01		0.00			
5. Handles	4.00	25.00	100.00			
Add contractors profit 10% over 2,3,4			607.93			
			17747.16			
per sq m rate will be			3314.13			
Say			3314.13			

I.N.52	P , f & f steel ventilors V1	Qty	Rate	Amount			
	Consider 0.36 sq m area	0.36					
	Alluminim opertable ventilors						
	1 - Basic rate I.N. 39.55 /328	0.36	5824.00	2096.64			
	2 - Add for M.S.flat 19mm x 3mm						
	For 0.36 sq m = 2.40 M				2.40	0.45	1.08
	2x2.40 = 4.80						
	Weight 0.45 Kg/ Rm (0.45 x 4.80) = 2.16 Kgs						
	As per I N 23.01/223	1.08	89.181	96.32			
	3 - Add G.I.wiremesh 18G x 6 sqmm						
	M R	0.36	400.00	144.00			
	4 - Painting three coats for G.I.wire mesh						
	1/2 x 2 x 1.00 x 1.00 = 1.00 sq m						
	I.N. page no 35.09/287	0.36	80.00	28.80			
	5 - Add for 12 mm sq bars						
	For 0.36 sq m = 7 x 0.60 + 4 x 0.10 = 4.6	0.00	5.20	89.181	0.00	4.60	1.13
	Weight 1.13 Kg/ Rm						5.20
	As per I N 23.01/223						Kgs
	6 - Add for fixing charges of wire mesh						
	MR	0.36	100.00	36.00			
	7 - Add for sundries, overheads & agencies profit						
*	over [3 & 6] 10 %				18.00		
	Total Rs				2419.76		
	Rate per sq m will be RS.				6721.54		

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I.N.22A	P oversize & size metal filling in plinth						
	Consider 1.00 cu m quantity of 80 mm O.S.metal						
	1 - Basic rate 50.56/ Pg no 446	1.32	700.00	924.00			
	2 - Lead Charges	1.00	0.00	0.00			
	3 - Spreading charges 50.58/447	1.32	85.00	112.20			
	Total Rs			1036.20			
	Deduction for stacking charges						
	1./251	1.32	17.17	-22.66			
	Net Rs			1013.54			
	Therefore rate per cu m will be say Rs			1013.54	658.80		
	Consider 1.00 cu m quantity of 40 mm .metal						
	1 - Basic rate 50.57/ 447	1.32	750.00	990.00			
	lead charges-	1.00	0.00	163.00			
	3 - Spreading charges 50.58/447	1.32	85.00	112.20			
	Total Rs			1265.20			
	Deduction for stacking charges						
	1./251	1.32	17.17	-22.66			
	Net Rs			1242.54			
	Therefore rate per cu m will be say Rs			1242.54	434.89		
					1093.69		
	Say Rs				1093.69		

The Rate Anlysis for 15 cm. thickness against of 10 cm thick

Rs.

i) Tremix C. C. in M - 10 thick Rat = 746.00 Smt.
(As per SSR 2020-21 I/N , 33.30 / Page No. 208)

ii) Add Laid 0.05 cm thick M -20 C.C.
additional layer below 10 cm thick Tremix
cement concrete

PCC M -20 Rate is 6365.00 /

∴ 6365 X0.05 (As per SSR It. 24.10 Page No.1 = 318.25 Smt.

Hence for 15 cm thick M - 20 Tremix cement concrete Ra 1064.25 Smt.