

Name of Work: 2018-19 Construction of Mini Material Recovery Collection Centre at Various Places.

TYPE - X (Size 1.60 x 0.80 M)

1) 10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes.

a) 50 x 25x2.60^{mm}
Rectangular Hollow section for supporting post of roof.

For post (Front)	2	x	2.10	=	4.20		
For post (Back)	2	x	1.80	=	3.60		
Tie beam (Length wise)	2	x	1.60	=	3.20		
Tie beam (Width wise)	3	x	0.80	=	2.40		
					<hr/>		
					13.40 m x 2.71kg/m	=	36.314 kg

b) 25x25x2.60^{mm} Square
Hollow section for common rafters.

	3	x	1.30	=	3.90		
	3	x	0.60	=	1.80		
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					5.70 m x 1.69 kg/m	=	9.633 kg
						=	45.947 kg

Say 46.00 kg

Rs. 130.07 / kg = Rs. 5983.22

2) 10.25.2 Item shifted to head 14 as item 14.74 steel work welded in built up sections of framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in grainting, frames, guard bar, ladder, railing brackets, gates and similar works.

- a) 30 x 20 x 3^{mm} angel iron
frame and 5^{mm} dia MS rods
vertical and horizontal nets
at 10cm c/c for
compartment

Bottom row compartment	1	x	4	=	4 Nos.
No. of mesh pieces	2	x	6	=	12 Nos.
Additional mesh	1	x	3	=	3 Nos.
Top row compartment	1	x	2	=	2 Nos.
No. of mesh pieces	2	x	5	=	10 Nos.
1 pieces weight of mesh				=	6.023 kg.
Hence 25 Nos. (12 +3+10)	25	x	6.023	=	150.575
pieces of weight					

Say 151.00 kg

Rs. 123.87/ kg = 18704.37

- 3) 12.50 Providing and fixing precoated
galvanised iron profile sheets
(size, shape and pitch of
corrugation asapproved by
Engineer-in-charge) 0.50 mm
(+ 0.05 %), total coated
thickness with zinc coating
120grams per sqm as per IS:
277, in 240 mpa steel grade, 5-
7 microns epoxy primer on
both side of thesheet and
polyester top coat 15-18
microns. Sheet should have
protective guard film of 25
micronsminimum to avoid
scratches during
transportation and should be
supplied in single length upto
12metre or as desired by
Engineer-in-charge. The sheet
shall be fixed using self
drilling /self tapping

Roof	1	x	2.50	x	1.42	=	3.55
	1	x	2.50	x	0.65	=	<u>1.63</u>
							5.18

Say 5.20 m²

Rs. 793.24/m²

= Rs. 4124.85

- 4) Providing lock and locking
arrangement with name
board.

LS = Rs. 2500.00

Total	=	Rs. 31312.44
Unforeseen	=	Rs. 687.56
Grand Total	=	Rs. 32000.00
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