

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

TYPE - II (Size 2.50 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	2.50	=	5.00
Tie beam (Width wise)	2	x	0.80	=	1.60
					<u>14.40 m x 2.71kg/m = 39.024 kg</u>

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

	4	x	1.30	=	5.20
	4	x	0.60	=	2.40
					<u>7.60 m x 1.69 kg/m = 12.844 kg</u>
					<u>= 51.868 kg</u>

Say 55.00 kg

Rs. 130.07 / kg = Rs. 7153.85

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	3	=	3 Nos.
No. of mesh pieces	3	x	6	=	18 Nos.
Top row compartment	1	x	3	=	3 Nos.
No. of mesh pieces	3	x	5	=	15 Nos.
1 pieces weight of mesh				=	6.023 kg.
Hence 33 Nos. (18 + 15) pieces of weight	33	x	6.023	=	198.759

Say 200.00 kg

Rs. 123.87/ kg = Rs. 24774

3) 12.50 Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved 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 the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum 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 3.40 x 1.42 = 4.828

1 x 3.40 x 0.65 = 2.21
7.038

Say 7.00 m²

Rs. 793.24/m²

= Rs. 5552.68

4) Providing lock and locking arrangement with name board.

LS = Rs. 2500.00

Total = Rs. 39980.53

Unforeseen = Rs. 519.47

Grand Total = Rs. 40500.00

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