

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

**TYPE - IX (Size 2.50 x 1.60 mts.)**

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<sup>mm</sup>  
Rectangular Hollow section for supporting post of roof.

For post (Front)	4	x	2.10	=	8.40		
Tie beam (Length wise)	3	x	2.50	=	7.50		
Tie beam (Width wise)	2	x	0.60	=	3.20		
					<u>19.10 m x 2.71kg/m</u>	=	51.761 kg

b) 25x25x2.60<sup>mm</sup> Square  
Hollow section for common rafters.

2x4	x	1.00	=	8.00 m x 1.69 kg/m	=	13.52 kg	
						<u>65.281 kg</u>	

**Say 65.50 kg** **Rs. 130.07 / kg = Rs. 8519.59**

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<sup>mm</sup> angel iron frame and 5<sup>mm</sup> dia MS rods vertical and horizontal nets at 10cm c/c for compartment

Bottom row compartment	1	x	2	=	2 No.
No. of mesh pieces	4	x	5	=	20 Nos.
Top row compartment	1	x	2	=	1 No.
No. of mesh pieces	4	x	4	=	16 Nos.
1 pieces weight of mesh				=	6.023 kg.
Hence 36 Nos. (20 + 16) pieces of weight	36	x	6.023	=	216.828

**Say 220.00 kg**

**Rs. 123.87/ kg = Rs. 27251.4**

- 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	2.50	x	1.42	=	3.55
	2	x	3.45	x	1.45	=	9.86
							<u>5.18</u>

**Say 10.00 m<sup>2</sup>**

**Rs. 793.24/m<sup>2</sup>**

**= Rs. 7932.40**

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

**LS = Rs. 2500.00**  
**= Rs. 46203.39**

**Total**

Unforeseen	=	<u>Rs. 296.61</u>
Grand Total	=	Rs. 46500.00
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