

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

**TYPE - VII (Size 2.50 x 1.60 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<sup>mm</sup>  
Rectangular Hollow section  
for supporting post of roof.

For post	4	x	2.10	=	8.40
Tie beam (Length wise)	2	x	2.50	=	5.00
Tie beam (Width wise)	4	x	1.60	=	6.40
Additional Central Portion	4	x	2.75	=	11.00

$$\overline{30.80 \text{ m} \times 2.71 \text{ kg/m}} = 83.466 \text{ kg}$$

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

2x4	x	1.00	=	8.00 m
2x4	x	0.55	=	4.40 m
				$\overline{= 12.40 \text{ m} \times 1.69 \text{ kg/m}} = 20.956 \text{ kg}$
				$= 104.92$

**Say 105.00kg**

$$\text{Rs. } 130.07 / \text{kg} = \text{Rs. } 13657.35$$

- 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 graining, 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	4	=	4 Nos.
No. of mesh pieces	4	x	6	=	24 Nos.
Top row compartment	1	x	4	=	4 Nos.
No. of mesh pieces	4	x	5	=	20 Nos.
Additional (Bottom + top)	1	x	2	=	2 Nos.
1 pieces weight of mesh				=	6.023
Hence 46 Nos. (24 +20 + 2) pieces of weight	46	x	6.023	=	277.05

**Say 277.00 kg**

**Rs. 123.87/ kg**

**= Rs. 34090.39**

- 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	2	x	3.45	x	0.38	=	6.072
Sky light roof	2	x	3.45	x	0.80	=	5.52
							<u>11.592 m<sup>2</sup></u>

**Say 12.00 m<sup>2</sup>**

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

**= Rs. 9518.88**

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

	LS	=	<u>Rs. 2500.00</u>
<b>Total</b>		=	<b>Rs. 59766.62</b>
<b>Unforeseen</b>		=	<b>Rs. 233.38</b>

Grand Total = Rs. 60000.00  
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