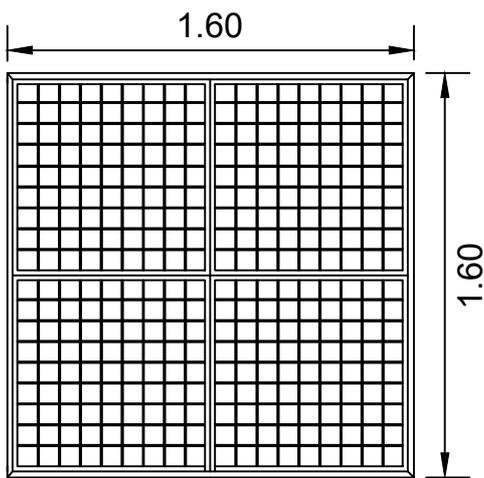
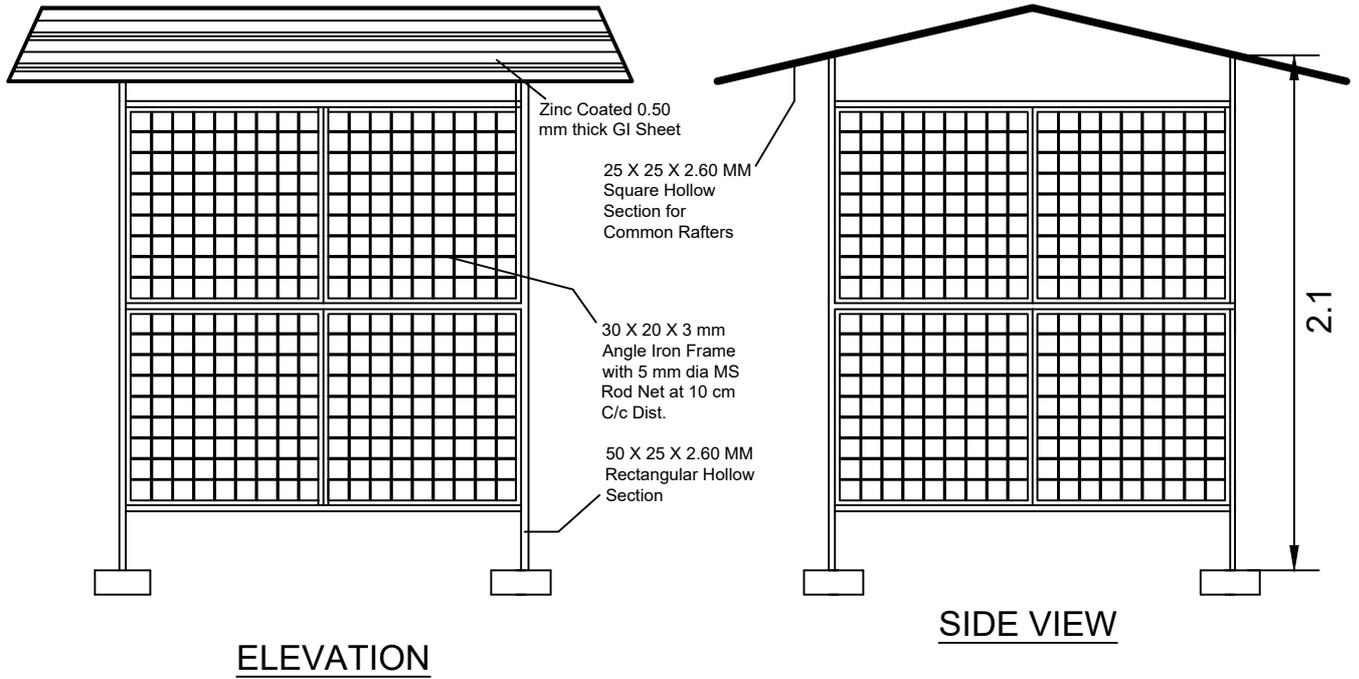


Name of work - 2018-19 Construction of a Mini Material Collection Center at various places

Type No. IV (Size 1.60 X 1.60 M)



PLAN

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

**TYPE - IV (Size 1.60 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 allround 4 x 1.60 = 6.40

14.80 m x 2.71kg/m = 46.10 kg

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

4 x 1.60 = 6.40 m x 1.69 kg/m = 10.816 kg  
= 50.96 kg

**Say 51.00 kg**

**Rs. 130.07 / kg = Rs. 6633.57**

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

Horizontal Mesh 3 x 4 = 12 Nos.  
(Bottom, Middle, Top)

Vertical Mesh 2 x 12 = 24 Nos.  
(Fencing)

1 pieces weight of mesh = 6.023 kg

Hence 36 Nos. (12 + 24) pieces of weight 36 x 6.023 = 216.820

**Say 217.00 kg**

**Rs. 123.87/ kg = Rs. 26879.79**

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 4 x  $\frac{2.50+0}{2}$  x 1.65 = 8.25

**Say 8.50 m<sup>2</sup>**

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

**= Rs. 6742.54**

4) Providing lock and locking arrangement with name board.

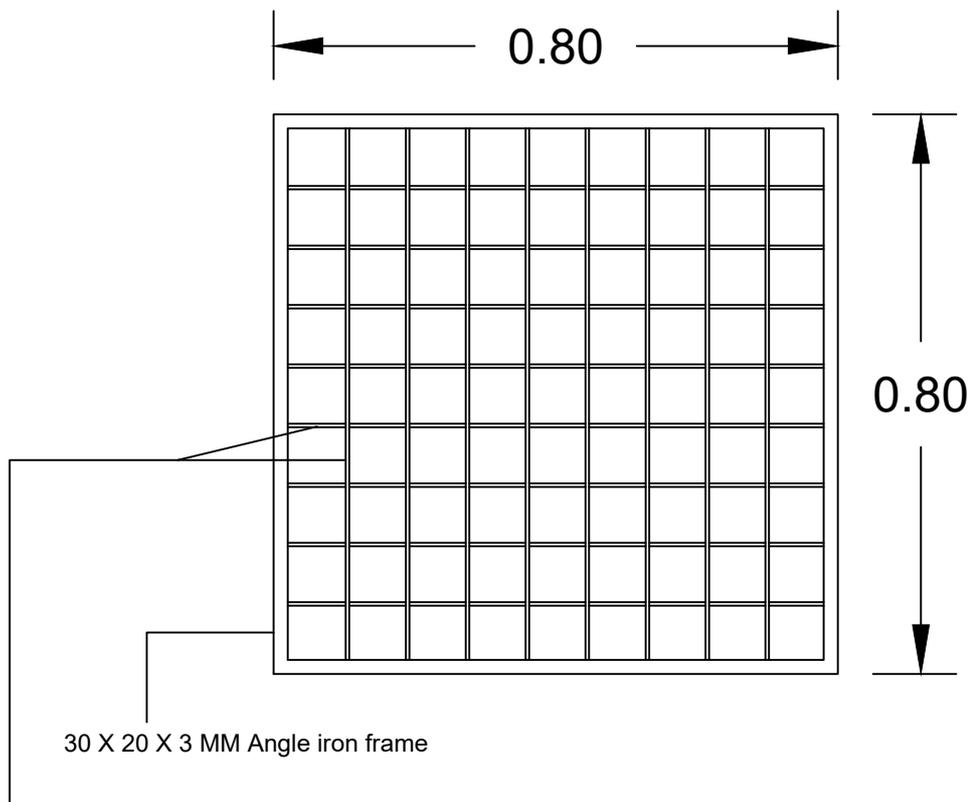
LS = Rs. 2500.00

**Total = Rs. 42755.90**

**Unforeseen = Rs. 244.10**

Grand Total = Rs. 43000.00  
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# Details of one piece of mesh



5 MM Dia M.S. rods for net @ .085 M c/c

Data for 1 piece of mesh in size 0.80 X 0.80 M	
(a)	30 X 20 X 3 MM Angle iron frame :-
	Vertical Frame -2 X 0.80 = 1.60
	Horizontal Frame -2 X 0.80 = <u>1.60</u>
	3.20 M X 1.10 Kg/M = 3.52 Kg
(b)	5 MM Dia M.S. rods Vertical and Horizontal net :-
	Vertical - 9 X 0.80 = 7.20
	Horizontal - 9 X 0.80 = <u>7.20</u>
	14.40 M X 0.154 Kg/M = <u>2.217</u> Kg
	5.737
	add 5 % wastage <u>0.286</u>
	<b><u>6.023</u> Kg</b>