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

TYPE - V   (Size 0.80 x 0.80 M)

1) 10.16.1 Steel work in built up tubular (round, square or rectanglar 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	4	x	2.10	=	8.40
Tie allround	2x4	x	0.80	=	6.40
			14.80 m x 2.71kg/m		= 40.108 kg

Say 40.50 kg   Rs. 130.07 / kg   = Rs. 5267.84

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	1	=	1 No.
No. of mesh pieces	1	x	6	=	6 Nos.
Top row compartment	1	x	1	=	1 No.
No. of mesh pieces	1	x	5	=	5 Nos.

	1 pieces weight of mesh				= 6.023 kg.	
	Hence 11 Nos. (6 + 5) pieces of weight	11 x	6.023	=	66.253	

	Say 66.50 kg	Rs. 123.87/ kg	= Rs. 8237.36

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	1.70	x	1.70	= 2.89	

	Say 3.00 m²	Rs. 793.24/m²	= Rs. 2379.27

4) Providing lock and locking arrangement with name board.

|		
	LS =	Rs. 2500.00
Total	=	Rs. 18384.92
Unforeseen	=	Rs. 115.18
Grand Total	=	Rs. 18500.00
		========

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

Type No. V (Size 0.80 X 0.80 M)

Zinc Coated 0.50 mm thick GI Sheet

25 X 25 X 2.60 MM Square Hollow Section for Common Rafters

30 X 20 X 3 mm Angle Iron Frame with 5 mm dia MS Rod Net at 10 cm C/c Dist.

50 X 25 X 2.60 MM Rectangular Hollow Section

1.8

2.1
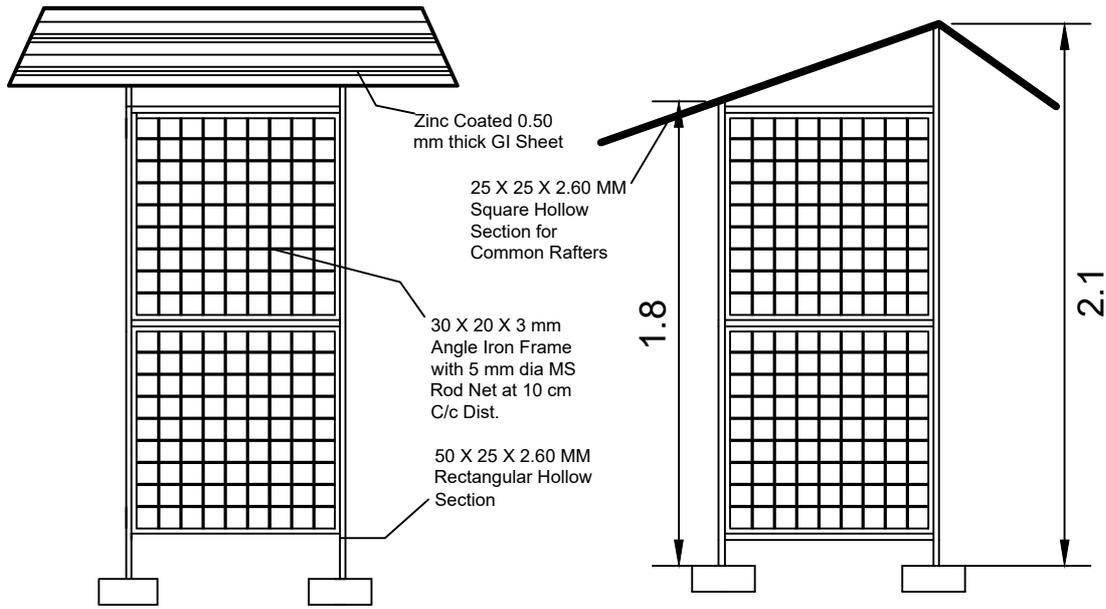
ELEVATION

SIDE VIEW

0.80

0.80
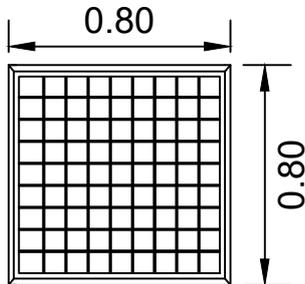
PLAN

Details of one piece of mesh

0.80

0.80

30 X 20 X 3 MM Angle iron frame
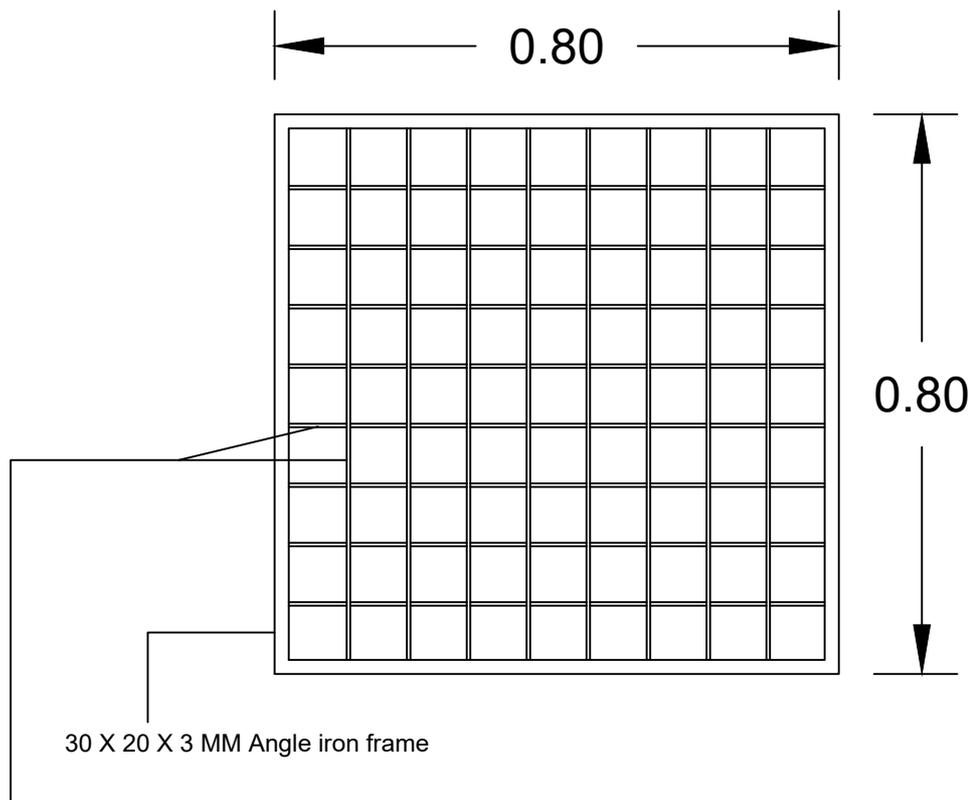
5 MM Dia M.S. rods for net @ .085 M c/c

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 = 1.60
                       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 = 7.20
                       14.40 M X 0.154 Kg/M = 2.217 Kg
                                              5.737
                       add 5 % wastage   0.286
                                             6.023 Kg