

सत्यमेव जयते

Estimate

Name of Scheme:- Construction of Market Shed at

Estimated amount:- Rs. 25,00,000.00

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Estimated Amount: Rs. 25,00,000.00

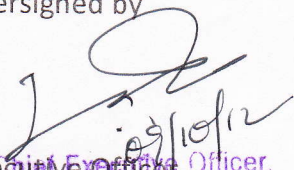
REPORT

This estimate is amounting Rs. 25,00,000.00 (Rupees Twenty Five Lakhs) only to show the probable cost of the above mentioned scheme. The following provision and measurement is taken in this estimate.

1. Plinth Area: 285.00 m²
2. Plinth Wall Height: 0.90 m
3. Brick Wall: 0.112 m thick
4. Rolling Shutter
5. Post and Lintel: RCC post with 12mm dia MS Rod and stirrup by 6mm dia Rod and lintel 10 mm dia MS Rod with 6mm Rod Stirrup.
6. Roof Truss: M/S Black Tube.
7. Roofing: GCI Sheet with 55mm thickness.

During the time of preparation of this estimate the schedule rates of APWD (B) rates has been taken for the year 2010-11 and 10% rates has been deducted for departmental execution and all rates and norms are normal as per department from time to time.

Countersigned by



Chief Executive Officer,
Zilla Parishad, Dhubri.

Prepared by



Junior Engineer
Zilla Parishad, Dhubri

Item no. 1/1: Earthwork in excavation for foundation trenches for wall column, step, septic tank, etc including refilling the quantity as required after the completion of work.

a. In Ordinary Soil.

Post=	1x44x0.60x0.60x0.90	=14.26 cu.m
F & B Wall=	1x4x10x2.40x0.40x0.40	=15.36 cu.m
End Wall=	1x4x3.40x0.40x0.40	= 2.18 cu.m
	1x2x0.90x0.40x0.40	=0.29 cu.m
Ends & Partition=	2x11x3.40x0.40x0.40	=11.97 cu.m
	1x2x0.90x0.40x0.40	=0.29 cu.m
Step=	1x2x1.50x0.90x0.20	=0.54 cu.m
		<u>42.42cu.m</u>

@Rs.64.67/cu.m.....**Rs. 2,743.00**

Item no. 2/4.1.1: Providing Brick soling in foundation & under floor with best quality picked Jhama Brick, Sand packed & laid to level in panel after preparing the subgrade as directed.

Below Post	1x44x0.60x0.60	=15.84sq.m
Wall	10x4x2.75x0.40	=44.00sq.m
Ends & Partition	2x11x3.75x0.40	=33.00 sq.m
	1x2x1.25x0.40	=1.00 sq.m
Step	1x2x1.50x0.90	=2.70 sq.m
M.B	1x1x30.00x9.50	=285.00 sq.m
		<u>381.54sq.m</u>

@Rs. 286.37/sq.m**Rs. 1,09,262.00**

Item no. 3/2.1.1: P.C.C work with coarse aggregate of sizes 13 mm in foundation bed for footings, steps, wall, brick works as directed & specified.

In Prop 1:3:6

Below Post	1x44x0.60x0.60x0.08	=1.267cu.m
Wall	4x10x2.75x0.40x0.08	=3.52cu.m
Ends & Partition	2x11x3.75x0.40x0.08	=2.65cu.m
	1x2x1.25x0.40x0.08	= 0.08 cu.m
Step	1x2x1.50x0.90x0.08	=0.216 cu.m
		<u>=7.723 cu.m</u>

@Rs. 3733.37/cu.m.....**Rs.28,835.00**

Item no. 4/18.1.1: Supplying, fitting & fixing in position R/f Bars confirming to relevant I.S Code for R.C.C work including straightening, clearing, cutting and bending to proper shape & length as per details and binding with 20 G annealed black wire and placing in position.

12 mm dia TMT for Post

M.B Post	1x4x44x5.50	=968.00 R.M
	@0.89kg/R.M.....	8.62 qntl

10 mm dia TMT Bars

For post base plate	1x44x10x0.60	= 264.00R.M
Lintel and post plate	8x4x30.20	= 966.40R.M
Ends and partition wall	2x4x11x9.70	= 853.60R.M
		T=2084.00R.M
	@0.62kg/R.M.....	12.92 qntl

6mm dia M.S Rod for Stirrups@20cm C/C

For Post =	1x44x37x1.05	=1709.40 R.M
For Lintel=	1x8x151x0.55	=664.40 R.M
Ends and partition=	2x11x49x0.55	= 592.90R.M
		=2966.70R.M
@0.22 kg/R.M		6.53 qntl
		28.07 qntl
Add 5% wastage.....		1.40 qntl.
		29.47 qntl
@ Rs 5241.78/Qtl.....		Rs. 1,54,475.00

Item no. 5/4.1.4: Brick work in cement mortar with 1st class brick including racking out joints & curing complete as directed in sub structure upto plinth level.

C In Prop 1:5

M.B	1x4x10x2.75x1.14x0.25	=31.35 cu.m
Ends & Partition	2x11x3.75x1.14x0.25	= 23.51cu.m
	1x2x1.25x1.14x0.25	= 0.713cu.m
Step	1x2x1.50x0.60x0.30	=0.54 cu.m
	1x2x1.50x0.30x0.30	=0.27 cu.m
		=56.38 cu.m
@ Rs 4423.20 / cu.m.....		Rs. 2,49,393.00

Item no. 6/1.3: Providing earth filling in plinth in layers not more than 150 mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of Land Compensation, Forest Royalty, Sales Tax & other duties & Taxes as may be necessary.
C With Silt (Pre dominantly Non-Plastic Soil)

M.B	1x1x30.00x9.50x0.90	= 256.50 cu.m	
@ Rs 322.75/ cu.m.....			Rs. 82,785.00

Item no. 7/2.2.1: Proving and laying R.C.C works cement with coarse sand & 20 mm down graded stone aggregate including dewatering if necessary and curing complete as directed.
(A) (a) M15.

M.B Post	1x44x0.25x0.25x1.80	=4.95 cu.m	
@ Rs 4734.15/ cu.m.....			Rs 23,434.00

(B) Super structure from P.L upto floor level

M.B	1x44x3.73x0.25x0.25	=10.258 cu.m	
Lintel and PP	2x4x30.00x0.13x0.13	=4.056 cu.m	
Ends and Partition	2x11x9.50x0.13x0.13	=3.532 cu.m	
Deduct for post	2x40x0.13x0.13x0.25	<u>=(-)0.338 cu.m</u>	
		=17.508cu.m	
@ Rs 4875.71 /cu.m			Rs. 85,364.00

Item no.8/4.1.7: 112 mm thick 1st class brick nogged wall in mortar including racking out joints and curing complete as directed in super structure above plinth upto 1st floor level.

(b) 1:5 ratio

Upto Lintel

M.B	2x10x2.75x2.40	=132.00sq.m
Ends and partition	2x11x3.75x2.40	=198.00sq.m

Above Lintel

MB	2x10x1.20x2.75	=66.00 sq.m
Ends and partition	2x11x1.20x3.75	=99.00sq.m
Ends above lintel	1x2x1.25x1.20	=3.00sq.m
Gabble End	1x2x0.50x9.50x1.50	<u>=14.25 sq.m</u>
		=512.25sq.m

@Rs 499.76/sq.m.....		Rs. 2,56,002.00
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Item no. 9/5.1.3: 40 mm thick C.C floor consisting of 50 mm under layer of cement concrete 1:3:6 and 15 mm thick wearing layer in cement concrete 1:1:2 laid in panels and finished with a floating coat of neat cement finish complete as directed.

MB 1x1x30.00x9.50 = 285.00 sq.m

@ Rs 345.32/ sq.m.....

Rs. 98,416.00

Item no. 10/3.1.1: Providing formwork of ordinary timber plankings so as to give a rough finish including centering, shuttering, strutting and propping etc.

3.1.1.1: foundation, footings, bases of columns, pile cap, raft and mass concrete works etc.

ii. using 25mm thick planks.

For Post above P.L	2x44x3.75x0.30	=99.00 sq.m
	2x44x3.75x0.25	=82.50sq.m
Lintel	2x4x10x2.75x0.15	=33.00 sq.m
	4x1x10x2.75x0.13	=14.30 sq.m
Ends & Partition	4x2x11x3.75x0.15	=49.50 sq.m
	4x1x11x3.75x0.13	=21.45 sq.m
	4x2x1.25x0.15	=1.50 sq.m
	4x1x1.25x0.13	=0.65 sq.m
		=301.90 sq.m

@Rs213.73/sq.m.....

Rs. 64,525.00

3.1.1.3: Coumns, Pillars, Post and Struts:

ii. using 25mm thick planks.

For Post upto P.L	2x44x1.80x0.30	=47.52 sq.m
	2x44x1.80x0.25	=39.60 sq.m
		= 87.12 sq.m

@Rs140.84/sq.m.....

Rs. 12,270.00

Item no.11/ 18.3.2: Providing wiewling fitting fixing hoisting and fixing of roof trusses with purline, bottom runner etc fabricated uot of a combination of two or all of the following section i. square hollow section, ii. Rectangular hollow section, iii. M/S black tubes as per approved designincluding M/S clit, base plate bolts and nuts etc complete as directed.

48.30 mm dia M/S Black Tube

Tie=	1x11x9.70=	106.70 R.M
K.Post =	1x11x1.50=	16.50 R.M
Rafter =	2x11x5.50 =	121.00 R.M
Strut=	2x11x1.30=	28.60 R.M
Q.Post=	2x11x1.00=	22.00 R.M
Strut=	2x11x0.90=	19.80 R.M
	2x11x0.70=	15.40 R.M

330.00R.M

@ 3.60kg/R.M.....

11.88 Qntl.

33.70 mm dia M/S Black Tube

M.B Purline=	2x5x31.00=	310.00 R.M	
@2.43 kg/R.M.....		<u>7.53 Qntl</u>	
		19.41 Qntl	
Add Base Plate, Gasket Nuts & Bolts J hook etc (L/S)		<u>3.00 Qntl</u>	
		22.41 Qntl.	
@Rs. 7,126.00/Qntl.....			Rs. 1,59,694.00

Item no. 12/8.1.2: Providing GCI sheet roofing of TATA SHAKTEE/SAIL including fitting fixing necessary calved J or L hooks, bolts and nuts, 8 mm dia bitumen washer, 25 mm x 3 mm thick and 1.6 mm thick limpet washer complete as directed.
C. 0.55 mm thick

M.B	1x2x31.00x5.50 =	341.00sq.m	
@ Rs 409.10/sq.m.....			Rs. 1,39,503.00

Item no. 13/8.1.4: Providing GI ridging including supplying & fixing necessary Calved Screws/washers etc. complete as directed.

E. 0.63 mm thick

(i) 230mm Lapping

M.B	1x1x31.00	= 31.00 R.M	
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@ Rs. 148.88/R.M.....		Rs. 4,615.00
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Item No-14/18.4.2: Providing and fixing rolling shutters of approved make made of 80mm width MS Lathes interlocked together through their entire length and joint together at the ends and arrangement of inside and outside locking with push pull operation as directed.

M.B:	1x20x4.20x3.00	=252.00sq.m	
@Rs.2563.10/sq.m.....			Rs. 6,45,901.00

Item no. 15/9.3.1: Providing wood work in frame of false ceiling partition etc sawn wrought framed hoisted and fixed in position with spikes, nails, M/S flat angle/clits with bolts and nuts complete as directed.

B. With Hollock/Bonsum/Sundi.

M.B=	1x9x30.00x0.08x0.05=	1.080 cu.m	
	1x26x9.50x0.08x0.05=	<u>0.988 cu.m</u>	
		2.068 cu.m	
@Rs. 29,812.40/cu.m.....			Rs. 61,652.00

Item no. 20/13.7.4: Painting two coats (wcluding priming coats) on new steel and other metal surface with enamel paint of approved brand and manufacture (Asian Paing/ Berger Rangoli/J&N Paint/Nerolac) on new surface to give an even shade after thruoghly brushing the surfaces free from mortar droppings and other foreign matters etc.

i. Surfaces over 100 in width and guard.

b. High Gloss.

Rolling Shutters= 1x20x4.20x3.00 =252.00sq.m

@Rs. 54.82/sq.m.....

Rs.13,815.00

Rs. 25,92,467.00

Rs. 2,59,247.00

Rs. 23,33,220.00

Rs. 1,39,993.00

Rs. 24,73,213.00

Rs. 3,000.00

Rs. 24,76,213.00

Rs. 24,762.00

Rs. 25,00,975.00

Rs. 25,00,000.00

Say


Deduct 10% for Contractor's Profit.....


Add 6% for Electrification.....

Sign Board.....

Add 1% Contingency.....

(Rupees Twenty Five Lakhs) Only


Chief Executive Officer,
Zila Parishad, Dhubri.


Junior Engineer
Zila Parishad, Dhubri

Item no. 16/7.2.1: Providing fitting & Fixing AC building Board in ceiling with necessary nails, wood screws, including 1st class local wood (50mmx12mm)(Holloc/Bonsum/Sundi) beeding including painting two coats to timber beeds complete as directed.
A.4 mm thick

M.B	1x1x30.00x9.50	=285.00sq.m	
@Rs. 269.44/sq.m.....			Rs. 76,790.00

Item no. 17/6.2.2: 15 mm thick cement plaster in single coat on rough side of single half brick wall including curing as directed.
(b) Using 1:4 ratio

Below Plinth		
M.B (F&B)=	1x2x30.00x0.60	= 36.00sq.m
Ends	1x2x9.50x0.60	= 11.40sq.m
Step	1x2x1.50x1.80	= 5.40sq.m
Step Ends	1x2x0.60x0.30	= 0.36sq.m
	1x2x0.30x0.30	= 0.18sq.m

Above P.L

MB Outside=	1x2x30.00x3.75	= 225.00sq.m
M.B Ends=	1x2x8.00x3.75	= 60.00sq.m
Gabble Ends=	1x2x0.5x9.50x1.50	= 14.25sq.m
MB Inside	2x20x4.00x3.75	=600.00sq.m
	1x20x3.00x3.75	= 225.00sq.m
M.B Post	1x22x0.25x3.75	= 20.63sq.m
		=1198.22sq.m

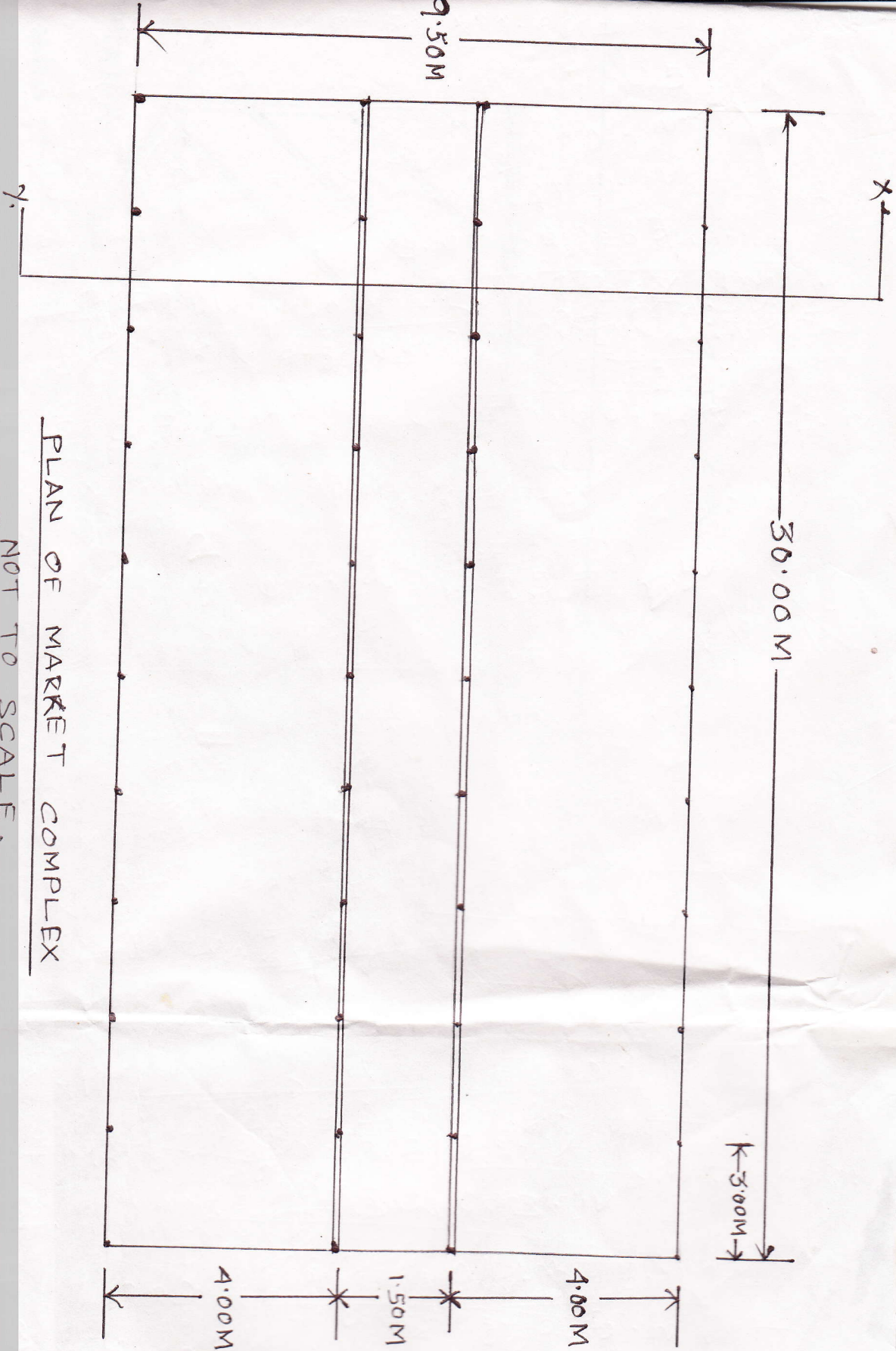
@ Rs 163.72/sq.m.....	Rs. 1,96,173.00
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Item no. 18/13.3.1: Providing surface preparation for walls, ceiling etc using average 150mm thick plaster of paris including clearing, rubbing with sand paper, filling gaps, depression etc where necessary.

Quantity same as Item No- 17 =	1198.22 sq.m	
@Rs. 47.42/sq.m.....		Rs. 56,820.00

Item no. 19/13.4.1: Wall Painting (two coats) with acrylic emulsion paint approved band and manufacture (Asian Paing/ Berger Rangoli/J&N Paint/Nerolac) on new surface to give an even shade after thruoghly brushing the surfaces free from mortar droppings and other foreign matters etc.
a. Acrylic Emulsion Paint approved Brand and manufacture.

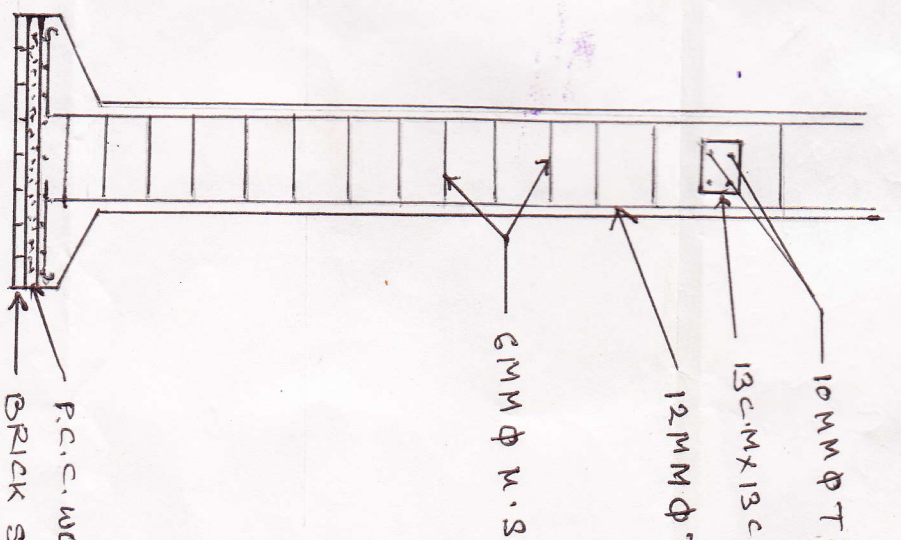
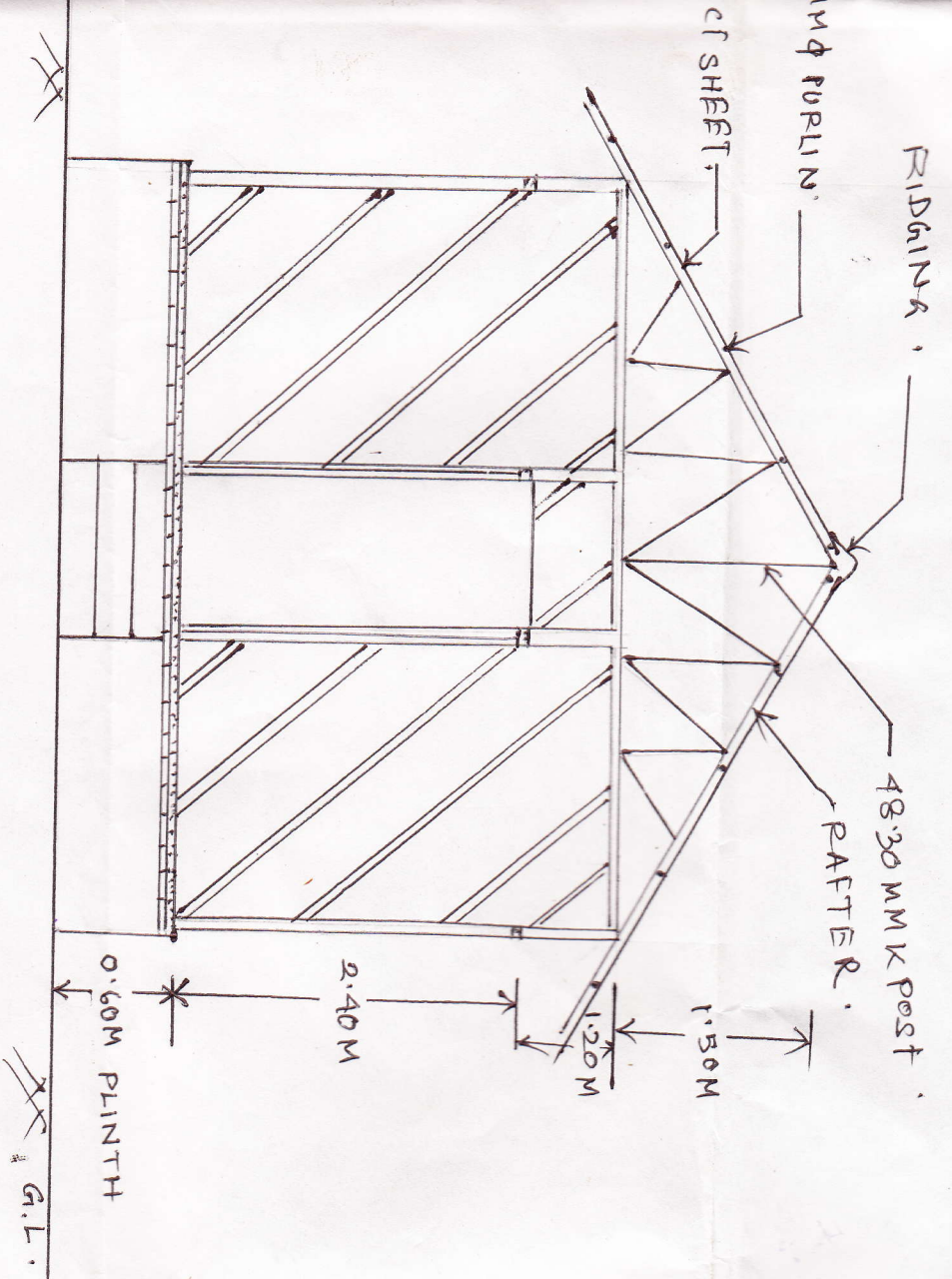
Quantity same as Item No- 17 =	1198.22 sq.m	
@Rs. 58.42/sq.m.....		Rs. 70,000.00



PLAN OF MARKET COMPLEX

NOT TO SCALE.

POST = 44 NOS = SIZE . 25



Chief Executive Officer,
Zila Parishad, Dhubri.

Joint Secretary,
Zila Parishad, Dhubri.