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**GOVT. OF ASSAM
KARIMGANJ ZILLA PARISHAD**

**Name of Work : Construction of Community Hall (11.00 M x 5.50Msize with Verandah)
at different villages under Zilla Parishad, Karimganj**

**Programme : Community Hall relating to General Performance Grant to PRIs under the
Award of 13th Finance Commission during the year 2011-12.**

Amount : Rs. 8.00 Lakh

District : Karimganj

Name of Work : Detailed Model Estimate for Construction of Community Hall relating to General Performance Grant to PRIs under the Award of 13th Finance Commission during the year 2011-12.

Amount : Rs. 8.00 Lakh

REPORT

This estimate has been prepared to meet the probable cost for Construction of Community Hall relating to General Performance Grant to PRIs under the Award of 13th Finance Commission for the year 2011-12.

There are 7 (Seven) Nos. Anchalik Panchayats and 96 (Ninty Six) Nos. Gaon Panchayats in Karimganj District. All the Anchalik Panchayats and Gaon Panchayats are not having with Community Hall to serve the purpose of holding Gaon Sabha meetings, meeting of Panchayats on different issues, for selection of schemes individual beneficiaries and discussion with the villagers and Panchayat members. All the Anchalik Panchayats and Gaon Panchayats in general and Gaon Panchayats in particulars are not capable to hold any type of meeting within the campus as there is not any type of Hall to accommodate sizeable number of people. In rural areas of Karimganj District, there is not any type of Cultural Halls to perform the Cultural activities also. The District is having without any type of Hall to held any Govt. meetings on emergent purposes in the Rural areas. As such, the District is lagging behind in respect of infrastructures in many respects. Keeping in view of the above sort comings to develop the infrastructure, Govt. has sanctioned Community Hall with a cost of Rs. 8.00 Lakh (Rupees Eight Lakh) only per Unit in the District in a Phased manner relating to General Performance Grant to PRIs under the Award of 13th Finance Commission, 2011-12.

Presently the following provisions have been made in this estimate :-

1. Construction of a Assam Type Building of size 11.00m x 5.50m (C/C) with open front side Verandah of 1.80m wide is proposed.
2. The specification of works is as per PWD (Building) Norms.
3. Brick Plinth wall of 250mm thick upto plinth height 3.60m.
4. Wall above plinth is proposed as 13cm thick and 3.60m height.
5. Door provided 2.10m x 1.00m size full paneled.
6. Window size 1.35m x 1.00m with Ventilator is proposed.
7. Roofing with GCI sheet with MS Tubular Truss.
8. Contingency 2% provision is made for miscellaneous administrative expenses.
9. WAT/FOREST Royalty etc. is inclusive of PWD Rates for 2010-11

The scheme has been prepared as per General Specification & Guideline of APWD's Assam.

Combsigned

[Signature]
Chief Executive Officer
Karimganj Zilla Parishad

[Signature]
5/10/12
Junior Engineer
Karimganj Zilla Parishad

Schedule of Rates :- APWD(Building/Sanitary/Electrical/Water Supply) /2010-2011.

SL. NO.	DESCRIPTION OF WORKS	QNTTY.	UNIT	RATE	AMOUNT (Rs.)
(1)	(2)	(3)	(4)	(5)	(6)

1 PWD/1.1(A)

Earth work in excavation for foundation trenches of walls retaining walls footings of column steps septic tank etc. including refilling, return filling the quantity as necessary after completion of works, breaking clods in return filling, dressing watering ramming etc. all complete as directed
(i) Ordinary Soil Up to depth 2.0M

MB -	12	x	0.90	x	0.90	x	1.06	=	10.30				
Post								=	1.91				
V- Post	5	x	0.60	x	0.60	x	1.06	=	11.76				
Wall	16	x	2.15	x	0.45	x	0.76	=	0.82				
Wall	2	x	1.20	x	0.45	x	0.76	=	0.72				
Step	1	x	3.00	x	1.50	x	0.16	=					
Total								=	25.52	25.52	M3	64.67	1650.17

2 PWD/4.1.1

Providing soling in foundation and under floor all level with stone best quality jhama bricks sand packed and laid in levels and in panels after preparing the surface as directed including all labor and materials complete. (a) Brick Flat Soling)

MB -	12	x	0.90	x	0.90	=	9.72						
Post						=	18.00						
V- Post	5	x	6.00	x	0.60	=	15.48						
Wall	16	x	2.15	x	0.45	=	1.08						
Wall	2	x	1.20	x	0.45	=	9.00						
Step	2	x	3.00	x	1.50	=	56.44						
Floor	1	x	10.75	x	5.25	=	16.66						
V/ Floor	1	x	10.75	x	1.55	=							
Total						=	126.38	126.38	M2	157.00	19641.66		

3 PWD/2.1.1.a

Plain cement concrete work in foundation, footing of column, column base including curing complete.
(a) In proportion 1:3:6.

MB -	12	x	0.90	x	0.90	x	0.08	=	0.78				
Post								=	0.14				
V- Post	5	x	0.60	x	0.60	x	0.08	=	1.63				
Wall	21	x	2.15	x	0.45	x	0.08	=	0.09				
Wall	2	x	1.20	x	0.45	x	0.08	=	0.36				
Step	1	x	3.00	x	1.50	x	0.08	=					
Total								=	2.99	2.99	M3	3733.63	11176.25

PWD/18.1 Supplying fitting fixing in position reinforcement bars conforming to relevant Is code for RCC works / RB walling including straightening cleaning cutting and bending to proper shape and length as per details supplying and binding with 20g annealed black wire and placing in position with proper blocks support and chairs spacers etc. complete Up to first floor level

(b) TMT BAR
(i) Tata/ Sail etc.

Column Base/12 mm dia Rod - MB

$$17 \times 2 \times 7 \times 0.60 @ 0.89 = 127.09$$

Main Building Post /12mm dia rod x 4 Nos.

$$12 \times 4 \times 5.20 \times 1 @ 0.89 = 222.14$$

Verandah Post /12mm dia rod x 4 Nos.

$$5 \times 4 \times 4.20 \times 1 @ 0.89 = 74.76$$

Gabble Post x 4x12 mm dia

$$2 \times 4 \times 1.50 \times 1 @ 0.89 = 10.68$$

Lintel AND Post Plate x 10mm dia x 4 Nos

$$28 \times 4 \times 3.28 \times 1 @ 0.62 = 227.76$$

$$2 \times 4 \times 2.08 \times 1 @ 0.62 = 10.32$$

Gabble Post plate - 10mm dia x 4 Nos

$$4 \times 4 \times 3.75 \times 1 @ 0.62 = 37.20$$

Window Chaza over window

$$8 \times 15 \times 1.00 \times 1 @ 0.62 = 74.40$$

6mm rod as Ring for post -MB

$$12 \times 36 \times 0.77 \times 1 @ 0.22 = 73.18$$

6mm rod as Ring for post -VP

$$6 \times 30 \times 0.77 \times 1 @ 0.22 = 30.49$$

Gabble Post Ring 6 mm dia rod

$$4 \times 12 \times 0.77 \times 1 @ 0.22 = 8.13$$

Lintel Ring & PP - 6mm dia

$$28 \times 30 \times 0.77 \times 1 @ 0.22 = 142.30$$

Post Plate Ring - 6mm dia

$$2 \times 12 \times 0.77 \times 1 @ 0.22 = 4.07$$

Chaza distribution x 6mm dia

$$8 \times 6 \times 1.50 \times 1 @ 0.22 = 15.84$$

GRAND TOTAL = 1058.36

GRAND TOTAL IN QUINTOL = 10.58

10.58 Qntl 5290.41 55991.67

5 **PWD/**

Providing form work of ordinary timber planking so as to give a rough finish including centering shuttering, strutting and propping etc. & removal the same for in situ reinforced cement concrete works

3.1.1

(A). In substructure up to plinth level
 (i) Foundation, footing, column, tie beam, pile cap raft, walls of septic tank, inspection pit & the like up to plinth level

Post	17	x	4	x	0.90	x	0.20	=	12.24				
	17	x	4	x	0.25	x	1.30	=	22.10	✓			
								Total =	12.24	12.24	M2	157.05	1922.29

6 3.1.1.3 :- Column, pillar, post and struts.
 (a) Square Rectangular, polygonal in plan of any shape
 (ii) Using 38 mm thick plank

Main Bldg.	12	x	4	x	3.60	x	0.13	=	22.46				
V/Column	5	x	4	x	2.40	x	0.13	=	6.24				
Gable Post	4	x	4	x	1.20	x	0.13	=	2.50	✓			
								Total =	31.20	31.20	M2	233.94	7298.93

7 3.1.1.4 :- Sides soffit of beam, beam hunching, cantilever, girder, bressumers & lintel
 (ii) Using 38 mm thick plank

Lintel & PP	28	x	2.87	x	0.13	x	3	=	31.34				
	2	x	1.67	x	0.13	x	3	=	1.30				
Gable PP	4	x	3.50	x	0.13	x	3	=	5.46	✓			
								Total =	38.10	38.10	M2	179.52	6840.25

8 (iii) Flat surface such as soffit of suspended floor, roofs, landing, balconies, chajja, horizontal ties and the like.
 (ii) Using 38 mm thick plank

Chazza	8	x	1.50	x	0.53			=	6.36				
								Total =	6.36	6.36	M2	259.52	1650.55

9 PWD/ 2.2.1

Providing laying plain/reinforcement concrete works with coarse sand: & graded stone aggregate 20 mm down including curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works in (form work and reinforcement wherever used shall be measured & paid separately)

(A). In substructure up to plinth level
 (i) Foundation, footing, column, tie beam, pile cap raft, walls of septic tank, inspection pit & the like up to plinth level
 (b) M20 (Proportion -1:1.5:3)

Post	17	x	0.90	x	0.90	x	0.20	=	2.75				
	17	x	0.25	x	0.25	x	1.30	=	1.38				
								Total =	4.14	4.14	M3	5164.83	21357.86

13 PWD/1.3.c :-

Earth /sand filling in layers not more than 150mm thick including necessary carriage watering ramming etc. complete as directed and specified including payment of land compensation forest royalty sales tax and other duties as may be necessary

c) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading

Floor	1	x	10.75	x	5.37	x	0.60	=	34.64				
	1	x	11.75	x	1.55	x	0.60	=	10.93				
								=					
								Total =	45.56	45.56	M3	322.75	14705.78

14 PWD/9.1.2 :-

Providing wood works in frames of Choukat of doors windows and clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry walls including supplying fitting and fixing with MS flat holdfast (40mm x 3mm x 250mm) as per design and embedded in cement concrete block in proportion 1:2:4 and with two coats of Kiriicide oiling to the timber faces in contact with C.C and masonry as directed and specified.
(a) Sal wood

Door	4	x	2	x	2.10	x	0.15	x	0.08	=	0.20			
Door	4	x	1	x	1.00	x	0.15	x	0.08	=	0.05			
Window	8	x	3	x	1.35	x	0.15	x	0.08	=	0.39			
Window	8	x	2	x	1.00	x	0.15	x	0.08	=	0.19			
Ventilator	8	x	2	x	1.00	x	0.15	x	0.08	=	0.19			
Ventilator	8	x	3	x	0.45	x	0.15	x	0.08	=	0.13			
										=				
								Total =	1.15	1.15	M3	55200.04	63590.45	

15 PWD/9.9.2 :-

Providing fitting fixing full paneled door/windows including oxidized M.S butt hinges (100mm x 75mm x 3.55mm) with necessary screws (other fittings shall be measured and paid separately)
(C) With 1st Class local wood Gamari Wood
(a) 40mm thick

Door	4	x	2.06	x	0.92	=	7.58					
Window	8	x	1.27	x	0.92	=	9.35					
						Total =	16.93	16.93	M2	2173.62	36795.04	

16 PWD/9.9.9 :-

Providing fitting fixing fully glazed clerestory window and fanlight including fitting and fixing 2 nos. of M.S pivot hinges (75mm x 20mm x 3mm) eyehook and nylon chord complete (glass panes shall be measured and paid separately)
(C) With 1st Class local wood (Hollock/Gamari/Bonsum/ Sundi)
(i) 40mm thick

Ventilaor	8	x	3	x	0.22	x	0.37	=	1.95			
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20 PWD/5.1.10:-

Cement plaster skirting with cement mortar 1:3 (1cement: 3coarse sand) finished with floating of neat cement including rounding of junction with floor.
(a) 15mm thick

Inside Skirting	2	x	1	x	10.87	x	0.30	=	6.52
	2	x	1	x	5.37	x	0.30	=	3.22
Out Side Skirting	2	x	1	x	11.25	x	0.60	x	1 = 13.50
Out Side Skirting	2	x	1	x	5.75	x	0.60	x	1 = 6.90
Step	1	x	4	x	3.00	x	0.45	x	1 = 5.40
								Total =	35.54

35.54 M2 170.47 6059.19

21 PWD/18.3.1

Providing fitting hoisting & fixing of roof trusses including purlins fabricated out of MS black tubes conforming to relevant IS code as per approved design and drawing including providing MS cleats base plates bolts and nuts and one coat of red oxide zinc chromate primer and two coats of approved anamel paints complete including lifting necessary cleats

50 mm OD Rafter	11	x	2	x	4.50	@	4.18	=	413.82
Verandah Rafter/40mm dia	11	x	1	x	2.48	@	3.29	=	89.75
KP-40mm OD	9	x	1	x	1.20	@	3.29	=	35.53
Tie -50mm OD	9	x	1	x	6.13	@	4.18	=	230.61
Strutt - 40mm Dia OD	9	x	2	x	2.50	@	3.29	=	148.05
Strutt - 40mm Dia OD	9	x	2	x	2.25	@	3.29	=	133.25
Vertical Member 50 mm OD	9	x	2	x	1.00	@	4.18	=	75.24
Vertical Member 50 mm OD	9	x	2	x	0.45	@	4.18	=	33.86
Purlin/ 40 mm dia OD	2	x	6	x	12.20	@	3.29	=	481.66
Purlin/ 40mm dia OD for Vrandh/Side	1	x	3	x	12.20	@	3.29	=	120.41
								Total (KG)	1762.18

ADD FOR GUSSET PLATE, BASE PLATE ETC 20% OF TOTAL WEIGHT(KG) = 352.44
NET TOAL (IN QUINTOL) = 21.15

21.15 QNTL. 5875.00 124233.46

22 PWD/8.1.2

Proving corrugated Galvanized Iron sheet roofing including fitting and fixing necessary I or L hook bolts and nuts 8mm dia with bitumen washer 25mm dia x 3mm thick and 1.6mm thick limpet washer complete including cost of roof truss including purlin etc. (Roof truss etc will be measured and paid separately).
C) 0.63mm thick

Main Building	2	x	4.50	x	12.20	=	109.80					
Verandah Side	1	x	12.20	x	2.50	=	30.50					
						Total =	140.30	140.30	M2	425.09	59640.13	✓

23 PWD/8.1.4
 Providing galvanized Iron ridging including supplying and fixing necessary galvd. Screws/ washer etc. as directed.
 (a) 0.50 mm thick 150mm lapping

1	x	12.20	x	1.00	x	1	x	1	=	12.20		
						Total =	12.20	12.20	M2	123.64	1508.41	✓

24 PWD/7.2.1.b
 Providing fitting fixing AC building Board in ceiling with necesry nails, wood screws, including first class local wood 50x12 mm (hillock/bonsum/Sundi) beading including painting two coats to timber beads complte as directed (Ceiling Joist will be measured and paid separsately)
 (b) 4mm thick AC building board

Room	1	x	10.87	x	5.37	x	1	=	58.37			
						Total =	58.37	58.37	M2	269.44	15727.72	✓

25 PWD/9.4.1
 Providing barge board of size 200mm x 25mm with first class local Hollock / Bonsum /Sundi timber including fitting and fixing with necessary wood screws etc. complete

3	x	12.20	=	36.60					
4	x	4.20	=	16.80					
2	x	1.80	=	3.60					
			Total =	57.00	57.00	M	224.81	12814.17	✓

26 PWD/9.3.1.a
 Proving wood work in frames of false ceiling partitions etc. swan drought framed hoisted & fixed in position with spikes nails, MS flat angle bolts and nuts complete including kiricide oiling to unexposed surface as directed.
 (i) Sal wood

1	x	16	x	5.37	x	0.08	x	0.05	=	0.34		
1	x	8	x	10.87	x	0.08	x	0.05	=	0.35		
						Total =	0.69	0.69	M3	42229.17	29202.32	✓

27 PWD/13.2..3.(a)
 Applying one coat of cement primer approved brand and manufacturer on new wall surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matters and including preparing surface even and sand papered smooth.

						SAME AS PLASTER, Net Total =	188.23					
CEILING	1	x	11.87	x	5.87	x	1	=	69.68			
						Total =	257.90	188.23	M2	32.63	6141.85	✓

28 PWD/ 13.2.3.(b)
 Finishing wall with water proofing cement paint of approved brand and manufacturer (two coats) on new wall surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matters and including preparing surface even and sand papered smooth

						SAME AS PLASTER, Net Total =	257.90	257.90	M2	40.83	10530.22	✓
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29 PWD/13.6.3 :-

Applying priming coat over new wood based surface over 100mm in width/girth after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting.

(A) With ready mixed paint, brushing white lead priming.

Door	2.25	x	4	x	2.10	x	1.00	=	18.90				
Window	2.25	x	8	x	1.35	x	1.00	=	24.30				
Ventilator	1.00	x	8	x	0.45	x	1.00	=	3.60				
Total =									46.80	46.80	M2	30.91	1446.59

30 PWD/13.6.5

Painting two coats(excluding priming coat) on new wood based surface over 100mm in width/girth after and including preparing the surface by thoroughly cleaning oil, greese, dirt and other foreign matter, sand papering and knotting.

l) Surface over 100mm in girth/width

a) With ready mixed paint, brushing white lead priming.

Same as Primery Coat

Total =									46.80	46.80	M2	54.82	2565.58
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31 PWD/13.7.3

Applying priming coat over new steel and other metal surface over 100mm in width/girth after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting.

With ready mixed red lead primer.

Window	8	x	0.92	x	1.27	=	9.35						
Vent	8	x	0.92	x	0.37	=	2.72						
Total =									12.07	12.07	M2	29.88	360.66

32 PWD/13.6.5

Painting two coats(excluding priming coat) new steel and other metal surface over 100mm in width/girth after after and including preparing the surface by thoroughly cleaning oil, greese, dirt and other foreign matter, sand papering and knotting.

l) Surface over 100mm in girth/width

a) With ready mixed paint, brushing white lead priming.

Same as Primery Coat

Total =									12.07	12.07	M2	54.82	661.70
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33 PWD//10.2.1.a

Providing fitting and fixing M.S grill of required pattern for windows / clerestory windows / openings with M.S flats at required spacing in frame all round headed bolts and nuts or screws.

Window	8	x	75.00	=	600.00								
Ventilator	8	x	40.00	=	320.00								
Total =									920.00	920.00	KG	80.69	74234.80

34 PWD/15.2.1

Supplying fitting fixing anodized aluminum fittings of approved make reasonably smooth free from sharp edges flaws and other defects counter shank holes or screws necessary Aluminum screw etc. complete anodized to a bright natural mat or satin finish

SDB	4	=	2	2	Each	290.34	580.68
TB	32	=	32	32	Each	81.51	2608.32
Handle	16	=	16	16	Each	75.37	1205.92

35 PWD/16.1

Providing and fixing clear sheet glass beaded in putty and fixed with without wooden beading including necessary cutting and glass to be required sized (c) 5.0mm thick

Vent 8 x 3 x 0.30 x 0.45 x 1 t = 3.24

Total = 3.24 3.24 M2 577.04 1869.61

36 PWD/1.4 :-

Raising low site of the building with approved soil obtained from outside by truck carriage including breaking clods dressing etc. complete including paying necessary land compensation etc. Municipal gate fees if any , monopoly duty etc. (Profile measurement to be taken and 12.5% deduction for shrinkage to be made from total quantity) etc. complete as directed and specified excluding forest Royalty within a distance of 8.00 KM (Forest royalty shall be reimbursed on production of necessary certificate from forest authority duly countersigned by DFO concerned. (ii) Other than Guwahai Municipality area Building Site

1 x 15.00 x 15.00 x 1.10 x 1 t

= 247.50

Total = 247.50 247.50 M3 205.52 50866.20

TOTAL Rs. = 832845.00

LESS 10% DUE TO DEPARTMENTAL EXECUTION Rs. = 83284.00

TOTAL Rs. = 749560.00

For site clearance 1% of civil work Rs. = 7496.00

ADD LS FOR ELECTRIFICATION ETC Rs. = 27000.00

TOTAL Rs. = 784056.00

ADD 2% CONTINGENCY Rs. = 15681.00

NET TOTAL Rs. = 799737.00

SAY Rs. = 800000.00

(Rupees Eight Lakh) only.

Counter Signed

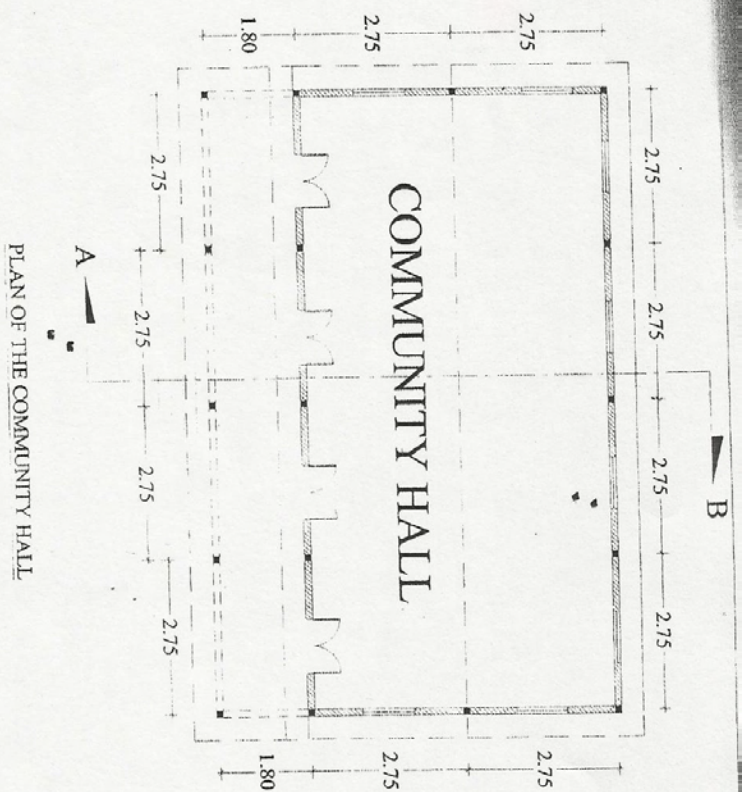
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Chief Executive Officer
Karimganj Zilla Parishad
C.E.O.
Karimganj Zilla Parishad

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Junior Engineer
Karimganj Zilla Parishad

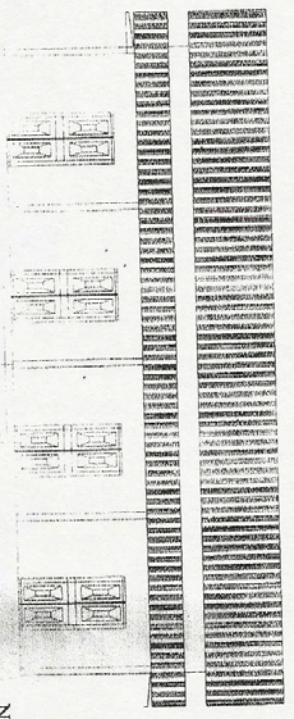
Technically Approved

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Superintending Engineer
PWD Bldg. Circle, Silchar

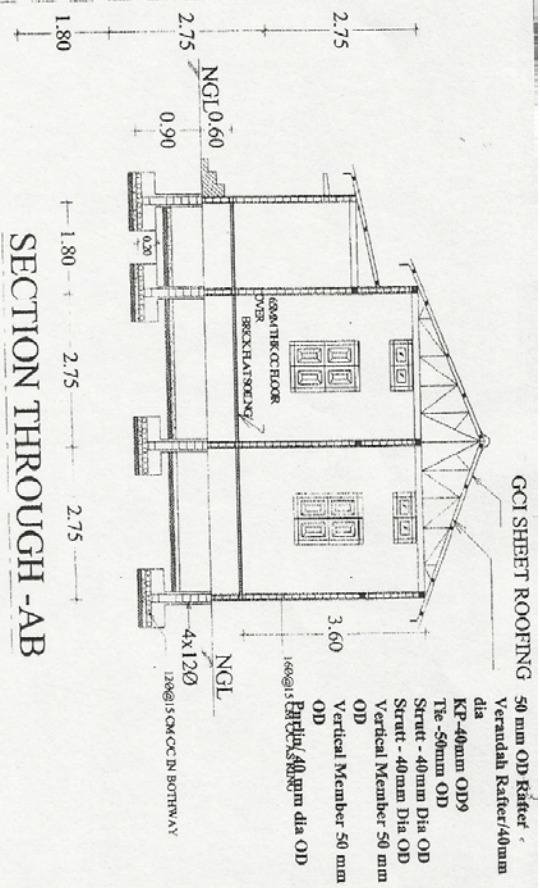
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6/10/12



PLAN OF THE COMMUNITY HALL



FRONT ELEVATION



SECTION THROUGH -AB

- GENERAL SPECIFICATION:-
1. PLINTH AREA PROPOSED= 11.0m x 5.50 m WITH VERANDAH 1.80 M WIDTH
 2. PLINTH HEIGHT = 0.60 M
 3. CEILING HEIGHT = 3.60 M
 4. PLINTH WALL OF BRICK = 0.25M THICK
 5. ABOVE PLINTH ALL WALL OF 0.13M THICK
 6. ALL MAIN DOOR 2.10X1.0M FULL PANELLED
 7. ALL WINDOW = 1.35M X 1.0M FULL PANELLED
 8. ALL VENTILATOR = 0.45X1.0M FULLY GLAZED
 9. ALL CHOUKAT 150.0MMx80MM OF SAL WOOD
 10. ROOF TRUSSES OF MS TUBULAR TRUSS
 12. ROOFING CGI SHEET 0.63MM THICK(TAT A/SALLO
 13. ALL RCC WORK IN PROP-1 : 1.5 : 3.
 14. ALL BRICK WORK IN PROP-1:3.

Junior Engineer
Karnataka Parishad

[Signature]

NGL

NGL 0.60

COMMUNITY HALL

GCC SHEET ROOFING

50 mm OD Rafter
Verandah Rafter/40mm dia
KP-40mm OD9
Te-50mm OD
Strut - 40mm Dia OD
Strut - 40mm Dia OD
Vertical Member 50 mm OD
Vertical Member 50 mm OD
160@15
Purlin 40 mm dia OD

120@15 CK OCC IN BOTH WAY

Art