

**ESTIMATE**

**Name of Work:- Model Estimate for Community Hall at GP  
Office campus under General Performance grant, 13 F.C.**

**Name of G.P. :-**

**Estimated Amount :- Rs. 8,00,000.00**

**DHEMAJI ZILLA PARISHAD, DHEMAJI  
DHEMAJI**

Name of Work :- Model Estimate for Community Hall at GP Office campus under General Performance grant, 13 F.C.

Name of G.P. :-

Area Covered :- 9.00 M x 14.40 M

Estimated Amount :- Rs. 8,00,000.00

### REPORT

This estimate amounting to Rs. 8,00,000.00 (Rupees Eight Laks) only has been framed to show the Probable cost of Construction of community hall cum stage at G.P. office campus under general performance grant, 13 F.C. in Dhemaji District.

The following provisions have been made in this estimate.

1. Earth work in excavation/filling.
2. Brick soling in foundation.
3. Plain cement concrete works.
4. Supplying fitting and fixing in positions reinforcement bars.
5. Form work.
6. Reinforced Cement Concrete works.(Sub-Structure & Super Structure)
7. Brick works in Sub-Structure.
8. Providing, fitting and fixing of steel Roof Truss.
9. Providing, fitting and fixing of GCI Sheets.

The estimate has been prepared as per APWD Schedule of Rates (Building) for the year 2010-11 and all works will be carried out in accordance with the general guidelines and specification of APWD, Assam current in the state.

Countersigned by

Prepared by

Sri Prabhash Ch. Bhattacharja  
A.C.S.  
Chief Executive Officer  
Dhemaji Zilla Parishad,  
Dhemaji

Sri B.R. Dutta  
Assistant Engineer  
Dhemaji Zilla Parishad  
Dhemaji



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Name of G.P. :-

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#### ESTIMATE

**Item No. 1 SOR 1.1 (a):-** Earthwork in excavation for footing of columns, steps, plinth beam including refilling the quantity as necessary after completion of work, breaking clods in return filling dressing, dewatering & remaining etc. and removal of surplus earth with all leads and lifts upto 2m as directed & specified including bailing out water where necessary upto a depth of below the existing GL as directed & specified (in ordinary soil)

Qty. : 1 x 14 x 1.20 x 1.20 x 1.20	=	24.192 cum
1 x 2 x 1.00 x 1.00 x 1.00	=	2.000 cum
	=	26.192 cum

@Rs. 64.67/cum

Rs. 1,694.00

**Item No. 2 SOR 4.1.1 (a):-** Providing soling in foundation under at all levels with stone best quality jhama bricks, sand packed and laid to level and in panel preparing the sub-grade as directed including all labour and materials and if necessary dewatering complete. (a) Brick on Flat Soling

Qty. : Footing	14 x 1.20 x 1.20	=	20.160 sq.m.
Footing	2 x 1.00 x 1.00	=	2.000 sq.m.
Floor	1 x 14.40 x 9.00	=	129.600 sq.m.
		=	151.760 sq.m.

@Rs.286.37/sq.m.

Rs. 43,460.00

**Item No. 3 SOR 2.1.1 (c) :-** Plain cement concrete works with coarse aggregate of size 13mm to 32mm in foundation steps, footing of coloumn & plinth beam as directed & specified including curing complete ( shuttering where necessary shall be measured & paid separately) in proportion 1 cement : 5 sand : 10 coarse aggregate by volume

Qty. : 1 x 14 x 1.20 x 1.20 x 0.10	=	2.016 cum.
Qty. : 1 x 2 x 1.00 x 1.00 x 0.10	=	0.200 cum.
	=	2.016 cum.

@Rs. 3130.44/cum.

Rs. 6,311.00

Cement Required = 2.016 x 4.25 bags = 8.57 Bags

@Rs. 65 /Bags

Rs. 556.92



**Item No. 4 SOR 18.1.1 (b) (ii)** :- Supplying, fitting & fixing in position reinforcement bars conforming to IS relevant code for RCC work/RB walling including straightening, cleaning & bending to proper shape & length as per binding to 20 G annealed black wire & placing in position with cover blocks support, chairs, spacer etc. complete (upto 1<sup>st</sup> floor level)

Footing 10 @ 100c/c	:	16 x 22 x 1.000 x 0.62	=	218.240 Kg.
Column 16, 4 Nos	:	10 x 4 x 6.000 x 1.58	=	379.200 Kg.
Column 16, 4 Nos	:	4 x 4 x 7.500 x 1.58	=	189.600 Kg.
Column 16, 4 Nos	:	2 x 4 x 2.750 x 1.58	=	34.760 Kg.
Tie Beam 16, 4 Nos	:	5 x 4 x 9.500 x 1.58	=	300.200 Kg.
Tie Beam 16, 4 Nos	:	2 x 4 x 14.900 x 1.58	=	188.336 Kg.
Column 12, 2 Nos	:	10 x 2 x 6.000 x 0.89	=	106.800 Kg.
Column 12, 2 Nos	:	4 x 2 x 7.500 x 0.89	=	53.400 Kg.
Tie Beam 12, 2 Nos	:	4 x 4 x 7.670 x 0.89	=	109.221 Kg.
Tie Beam 12, 2 Nos	:	2 x 4 x 14.900 x 0.89	=	106.088 Kg.
Lintel 12, 4 Nos	:	4 x 4 x 9.500 x 0.62	=	94.240 Kg.
Lintel 12, 4 Nos	:	4 x 4 x 14.900 x 0.62	=	147.808 Kg.
			=	1927.893 Kg.
		Add 10% wastage	=	192.789 Kg.
			=	2120.682 Kg.
		Say	=	21.207 Qntle.

	@Rs. 4746.44/ Qtl.	Rs. 1, 00,657.00
Price Difference	@Rs. 1400.00/ Qtl.	Rs. 29,689.55

**Item No.5:-** Contd..... M.S. Rod (Stirrups)

Column 6, @ 150 c/c	:	10 x 39 x 0.830 x 0.22	=	71.214 Kg.
Column 6, @ 150 c/c	:	4 x 49 x 0.830 x 0.22	=	35.790 Kg.
Column 6, 150 c/c	:	2 x 17 x 0.830 x 0.22	=	6.208 Kg.
Tie Beam 6, @ 150c/c	:	5 x 62 x 0.830 x 0.22	=	56.606 Kg.
Tie Beam 6, @150c/c	:	2 x 98 x 0.500 x 0.22	=	21.560 Kg.
Lintel 6, @150c/c	:	4 x 64 x 0.500 x 0.22	=	28.307 Kg.
Lintel 6, @150c/c	:	4 x 100 x 0.500 x 0.22	=	44.147 Kg.
			=	263.831 Kg.
		Add 10% wastage	=	26.383 Kg.
			=	290.214 Kg.
		Say	=	2.902 Qtl.

	@Rs. 5241.78/Qtl.	Rs. 15,212.00
Price Different	@Rs. 1400/Qtl.	Rs. 4,063.00

**Item No. 6 SOR 3.1.1.1 (ii):-** Providing formwork of ordinary timber planking as as to give rough finish including centering shuttering & propping etc. Height of propping & centering below 2 supporting floor to ceiling & removal of same for cast-in-situ reinforced concrete and plain concrete works. (using 25mm thick plank) SUB-STRUCTURE  
Qty.



Footing	14 x 4 x 0.15 x 1.200	=	10.080 sq.m.
Colm.	14 x 4 x 1.25 x 6.000	=	84.000 sq.m.
Colm.	2 x 4 x 0.25 x 2.500	=	5.000 sq.m.
T. Beam	2 x 5 x 0.30 x 9.000	=	27.000 sq.m.
T. Beam	2 x 2 x 0.30 x 14.400	=	17.280 sq.m.
L. Beam	2 x 4 x 0.15 x 9.000	=	10.800 sq.m.
L. Beam	1 x 4 x 0.125 x 9.000	=	4.500 sq.m.
L. Beam	2 x 4 x 0.15 x 14.400	=	17.280 sq.m.
L. Beam	1 x 4 x 0.125 x 14.400	=	7.200 sq.m.
		=	183.140 sq.m.

@Rs. 213.70/sq.m.

Rs. 39,137.00

**Item No. 6 SOR 2.2.1 (I) (A) (a):-** Providing & laying plain/reinforced cement concrete works in proportion 1:2:4 (1cement:2 coarse sand : 4 graded stone aggregate 20mm down) including dewatering if necessary & curing complete but excluding the cost of form work and reinforcement for RCC work. (Form work & reinforcement will be measured separately)

<b>SUB- STRUCTURE</b>	16 x 1.200 x 1.200 x 0.150	=	3.456 cum.
	16 x 0.625 x .0625 x 0.400	=	2.500 cum.
	16 x 0.250 x 0.250 x 1.250	=	1.250 cum.
	5 x 0.250 x 0.300 x 9.000	=	3.375 cum.
	2 x 0.250 x 0.300 x 14.400	=	2.160 cum.
		=	12.741 cum.

@Rs. 4734.15/cum.

Rs. 60,318.00

Cement Required = 12.741 x 6.13 bags = 78.00 Bags

@Rs. 65/Bag

Rs. 5,070.00

<b>SUPER STRUCTURE</b>	10 X 0.25 X 0.25 X 4.000	=	2.500 cum.
	4 X 0.25 X 0.25 X 5.500	=	1.375 cum.
	4 x 0.15 x 0.15 x 9.000	=	0.810 cum.
	4 x 0.15 x 0.15 x 14.400	=	1.296 cum.
		=	5.981 cum.

@Rs. 4929.24/ cum.

Rs. 29,482.00

Cement Required = 5.981 x 6.13 = 37.00 Bags

@Rs. 65/ Bag

Rs. 2,405.00

**Item No. 7 SOR 4.1.4 :-** Brick work in cement mortar with 1<sup>st</sup> class brick including racking out joints and dewatering if necessary and curing complete as directed in sub-structure upto plinth level. (c) In prop. 1:4

2 x 0.25 x 1.35 x 9.000	=	6.075 cum.
3 x 0.25 x 0.70 x 9.000	=	4.725 cum.
2 x 0.25 x 1.35 x 3.600	=	2.430 cum.
6 x 0.25 x 0.70 x 3.600	=	3.780 cum.
2 x 0.50 x 1.80 x 1.35 x 1.200	=	2.916 cum.
5 x 0.50 x 0.90 x 1.35 x 1.200	=	3.645 cum.
	=	23.571 cum.

@Rs. 4632.29/cum.

Rs. 1,09,188.00

Cement Required = 23.571 x 2.00 bags = 47.00 Bags

@Rs. 65/ Bag

Rs. 3,055.00

**Item No. 8 SOR 1.3 C :-** Sand filling in plinth layers not more than 150mm thick including necessary carriage watering, ramming etc.... with silt (predominantly non plastic) by truck carriage including loading and unloading.

1 x 10.80 x 9.00 x 0.700	=	68.040 cum.
1 x 3.60 x 9.00 x 1.350	=	43.740 cum.
	=	111.780 cum.

@Rs. 322.75/cum.

Rs. 36,077.00

**Item No. 9 SOR 4.1.7 (a):-** 112mm thick 1<sup>st</sup> class Brick nogged wll in cement motar including raking out joints and curing complete as directed in super structure above plinth level upto 1<sup>st</sup> floor. (Protruding rod/Tor steel of columns to be embended in cement mortar & will be measured and paid for separately.) In cement mortar 1:4

Wall	1 x 1 x 9.00 x 3.300	=	29.700 sq.m.
	1 x 2 x 3.60 x 3.300	=	23.760 sq.m.
	1 x 2 x 10.80 x 1.500	=	32.400 sq.m.
	1 x 1 x 9.00 x 1.500	=	13.500 sq.m.
	2 x 0.5 x 9.00 x 1.500	=	13.500 sq.m.
Door (-)	2 x 1 x 2.10 x 1.000	=	- 4.200 sq.m.
Door (-)	3 x 1 x 0.70 x 1.200	=	- 2.520 sq.m.
Window (-)	2 x 1 x 1.40 x 1.200	=	- 3.360 sq.m.
Ventilator (-)	3 x 1 x 1.40 x 0.600	=	- 2.520 sq.m.
		=	100.260 sq.m.

@Rs. 518.62/sq.m.

Rs. 51,997.00

Cement Required = 100.26 x 2.13 bags / 10 sq.m. = 21.00 Bags

@Rs. 65 / Bag

Rs. 1,365.00

**Item No. 10 SOR 6.2.1 (a) :-** 10mm thick cement plaster in single coat on fair side of single or half brick wall for interior plastering upto 1<sup>st</sup> floor level including arises, internal rounded



angles not exceeding 80mm girth, including curing complete as directed. B) IN cement mortar 1:4

Wall	1 x 1 x 9.00 x 3.300	=	29.700 sq.m.
	1 x 2 x 3.60 x 3.300	=	23.760 sq.m.
	1 x 2 x 10.80 x 1.500	=	32.400 sq.m.
	1 x 1 x 9.00 x 1.500	=	13.500 sq.m.
	2 x 0.5 x 9.00 x 1.500	=	13.500 sq.m.
Door (-)	2 x 1 x 2.10 x 1.000	=	- 4.200 sq.m.
Door (-)	3 x 1 x 0.70 x 1.200	=	- 2.520 sq.m.
Window (-)	2 x 1 x 1.40 x 1.200	=	- 3.360 sq.m.
Ventilator (-)	3 x 1 x 1.40 x 0.600	=	- 2.520 sq.m.
		=	100.260 sq.m.
	Total Both	=	198.840 sq.m.
Plinth	1 x 2 x 19.60 x 0.750	=	29.400 sq.m.
	1 x 2 x 12.60 x 1.350	=	34.020 sq.m.
		=	262.260 sq.m.

@Rs. 88.60 / sq.m.

Rs. 23,236.00

Cement Required = 262.26 x 0.87 bags / 10 sq.m. = 23.00 Bags

@Rs. 65 / Bag

Rs. 1,495.00

**Item No. 11 SOR 5.1.2 :-** 65mm thick cement concrete topping 1:2:4 ( 1cement : 2 coarse sand : 4 coarse aggregate of 12mm nominal size ) finished with a floating coat of neat cement finish ( base concrete to be measured and paid separately) to be laid panels including curing complete as directed.

$$1 \times 1 \times 14.40 \times 9.000 = 129.600 \text{ sq.m.}$$

@Rs. 449.48/ sq.m.

Rs. 58,253.00

Cement Required : 129.60 x 2.20 bags / 10 sq.m. = 29.00 bags

@Rs. 65 / Bag

Rs. 1,885.00

**Item No. 12 SOR 18.7.1 :-** Supplying, fitting and fixing door frame made of M.S. equal anghles of size 40mm x 40mm x 5mm fabricarted, welded, niters and joinedas per relevant I.S. Codes..... complete at all levels as specified.

Qty. : Door	1 x 2 x 5.40	=	10.800 Rm
Window	1 x 2 x 5.20	=	10.400 Rm
Ventilator	1 x 4 x 4.00	=	16.000 Rm
		=	37.200 Rm

@Rs. 344.80/Rm

Rs. 12,827.00

**Item No. 13 SOR 18.5.3 :-** providing, fitting and fixing steel door/window of standard rolled steel section as per relevant I.S. code, joints mitred..... applying a priming coat of red-lead paint etc. complete as directed.

(a) A. Openable

Qty.	Door	1 x 2.10 x 1.00	=	2.100 sq.m.
	Window	4 x 1.20 x 1.40	=	6.720 sq.m.
	Ventilator	4 x 1.20 x 0.60	=	2.880 sq.m.
			=	11.700 sq.m.

@Rs. 2392.10/sq.m.

Rs. 27,988.00

**Item No. 14 SOR 18.3.1 :-** providing fitting hoisting and fixing of roof trusses including purline fabricated out of MS base plates, bolts and nuts....complete as directed.  
48.3mm dia M.S. Black Tube

Rafter	5 x 2 x 5.20 x 3.27	=	170.040 Kg.
Tie	3 x 1 x 9.00 x 3.27	=	88.290 Kg.
King Post	3 x 1 x 1.50 x 3.27	=	14.715 Kg.
	3 x 8 x 1.20 x 3.27	=	94.176 Kg.
	3 x 8 x 1.30 x 3.27	=	102.024 Kg.
	2 x 5 x 15.30 x 3.27	=	500.310 Kg.
	1 x 3 x 14.40 x 3.27	=	141.264 Kg.
		=	11.108 Qtl.
	Add 10% for wastage	=	1.111 Qtl.
		=	12.219 Qtl.

@Rs. 5875.00/ Qtl.

Rs. 71,786.62

**Item No. 15 SOR 8.1.2 :-** Supplying, fitting and fixing of GCI Sheet roofing ( 0.55mm thick)

Qty. :-	1 x 2 x 15.30 x 5.20	=	159.120 sq.m.
	Add 10% for wastage	=	23.868 sq.m.
		=	182.988 sq.m.

@Rs. 417.71/ sq.m.

Rs. 76435.91

**Item No.16 :-** Povidng GI ridging of 1.80m long (0.45mm thick)

Qty. =	1 x 1 x 15.30	=	15.300 Rm
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@Rs. 130.25/ Rm

Rs. 1,993.00



**Item No. 17 SOR 9.4.1 :-** Providing barge board of size 200mm x 20mm with 1<sup>st</sup> class local Hollock / Bonsum including fitting and fixing with necessary wood screws etc. complete as directed.

Qty.	1 x 2 x 15.300	=	30.600 Rm.
	2 x 2 x 5.200	=	20.800 Rm
		=	51.400 Rm

@Rs. 224.81/ Rm

**Rs. 11,555.23**

**Item No. 18 SOR 17.12:-** Supplying, fitting and fixing double leaf heavy duty iron gate, frame made from 40mm x 46mm M.S. Angle and with M.S. Flat of 40mm x 40mm x 6mm size as per app. Design....including a red oxide painting to all iron works as directed and specified.

Qty.	1 x 3.00 x 0.400	=	1.200 Qntl.
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@Rs. 5059.15/ Qntl.

**Rs. 6,071.00**

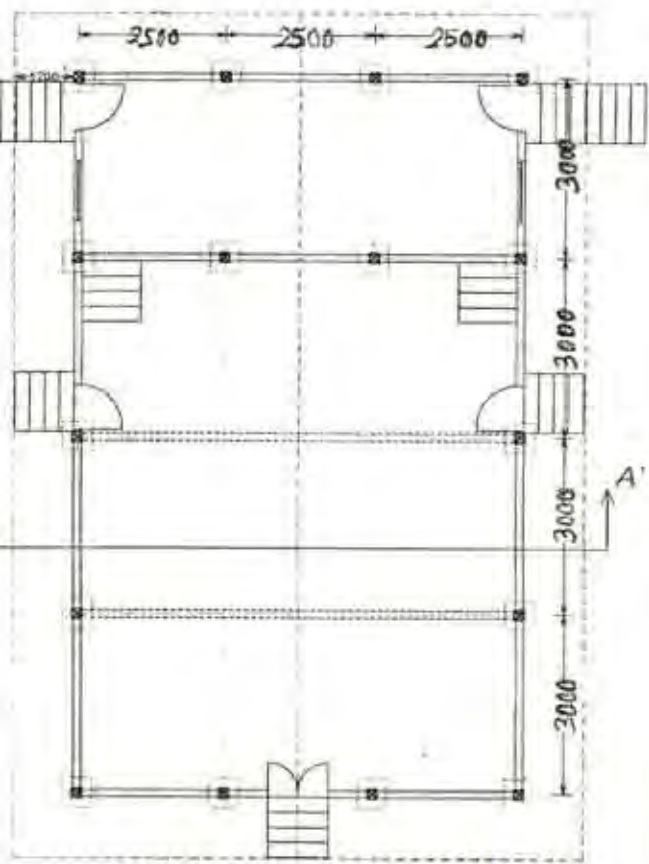
**Item No. 19 :-** Construction of Toilet Block .....Qty. - 1 Nos (Analysis Enclosed)

@Rs. 38526.00/ No.

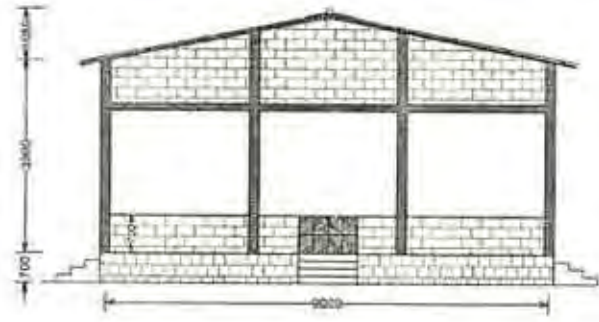
**Rs. 38,526.00**

Total	=	Rs. 871789.32
Deduct Contracotr's profit @ 10%	=	Rs. 87178.93
Total	=	Rs. 958968.25
Add 1% contingency	=	Rs. 8717.89
Grand Total	=	Rs. 7,93,328.00
Say	=	Rs. 8, 00,000.00

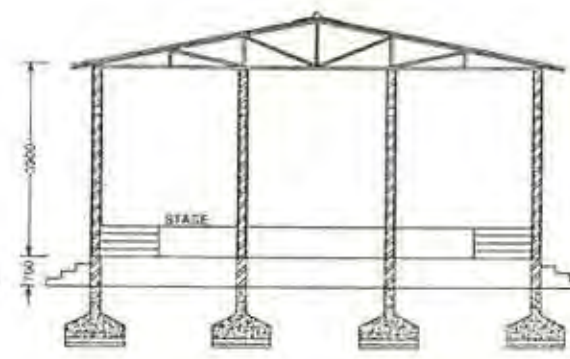
(Rupees Eight Lakh ) only



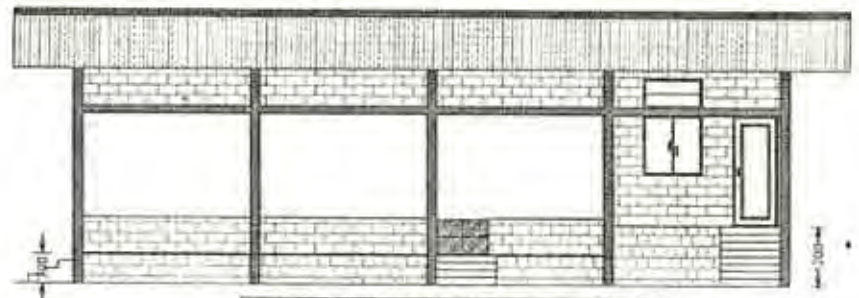
**PLAN**  
(Scale - 1 : 100)



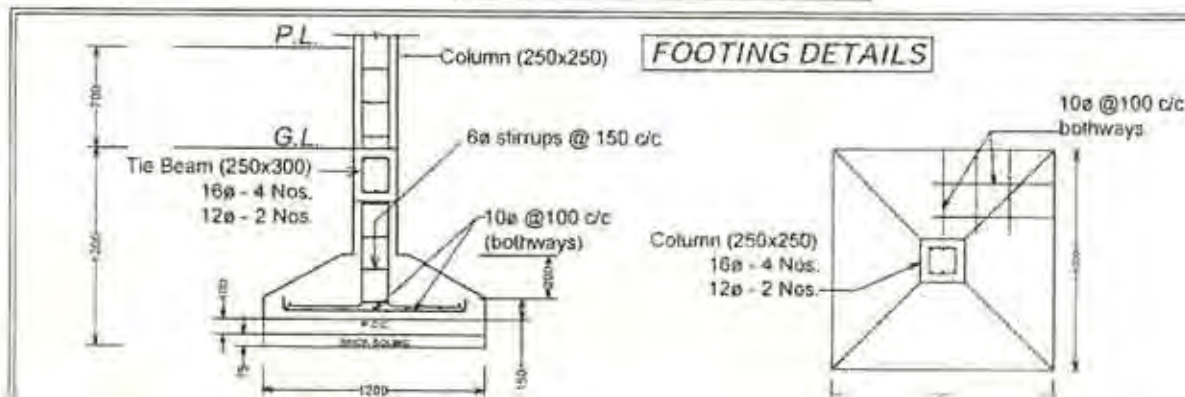
**ELEVATION**  
(Scale - 1 : 100)



**SECTION AT A-A'**  
(Scale - 1 : 100)



**SIDE VIEW (R)** (Scale - 1 : 100)





B. R. Dutta  
Assistant Engineer,  
Dhemaji Zilla Parishad, Dhemaji

## DTETAILED PROJECT REPORT

**NAME OF WORK :** Community Hall under 13<sup>th</sup> Finance Commission Performance Grant, 2011/12.

1. Introduction : Community Hall are very much essential in GP areas particularly to stage Goan Sabha meeting. Therefore, it was proposed to construct Community Hall in Goan Panchayat (GP) areas. In the first phase, 13 (Thirteen) Nos of GPs Anchalik Panchayats are selected out of 65 nos GP's of Dhemaji District. The no of GP's for the corresponding Anchlik Panchayats are selected in the Proportion of Goan Panchayats to each corresponding Anchalik Panchayats as per table shown below :

Sl. No.	Name of Anchalik Panchayat	No. of GP's under the Corresponding A.P.	No. of Gp's selected against each A.P.
1.	Bordoloni A.P.	13	2
2.	Machkhowa A.P.	5	1
3.	Dhemaji A.P.	15	3
4.	Sisiborgoan A.P.	17	4
5.	M.S.T.D.	15	3

After it, the Goan Panchyayats are selected on the basis of population and availability of land in each Gaoan panchyat area for construction of the Community Hall. The selected Goan POanchayats, in the first phase, are -----

Sl No.	AP	Location
1.	Bordoloni A.P.	Kachutali, Mingmang
2.	Machkhowa A.P.	Sisimukh
3.	Dhemaji A.P.	Gohain goan, Ghuguha, Ajuha
4.	Sisiborgoan A.P.	Sisiborgoan, Siripani, Muktiar, Simen Chapori
5.	M.S.T.D.	Kemijelem, Dekapam, Jonai.

2. Aims and objective :- After 73<sup>rd</sup> amendment of the Constitution, much importance is given in decentralization of power. To achieve it, people's involvement in Govt. activities at Grass root level is very much essential. These Community Hall will serve the purpose of holding Goan Sabha meeting, thereby involving themselves in the Govt.



activities. Further, meeting can also be held in these community Hall for other socio-cultural activities.

3. Fund: - 13<sup>th</sup> Finance Commission, Performane Grant, 2011-12.
4. Availability of Land :- The sufficient land is available for all the sites selecte for construction of Community Hall. The sites are so selected that sufficient open space is available around the building.
5. Geographical Location :- Out of 13 Community Hall, 7 nos will be constructed in Jonai Civil Sub-Division and 6 nos will be in Dhemaji Civil Sub-Division. The road communication to the site is also available.
6. The Building Provision:- The building has the provision of a hall and a stage. In the hall, the wall will be constructed up to W.S.L., and in the stage, it will be up to PPL. A urinal with a soak pit is also provided.
7. Rate: - The estimates are prepared as per APWD Schedule of Rates of 2010-11 by deducting 10% Contractor's Profit. Additional premium of 5 % is added for Dhemaji District as per provision of APWD SOR. Further, surcharge is also added for Rod and Cement as per notification of APWD (BUILDING).
8. Estimate :- The estimate has the provision of-----
  - a. RCC foundation with RCC tie beam.
  - b. 225mm brick wall in sub-structure & 112mm brick wall in super Structure.
  - c. Dyna roof sheet roofing over MS black pipe roof frame.
  - d. Plinth height of stage is raised by 60cm to the Plinth height of the hall.
  - e. 65mm PPC flooring.
  - f. Wooden Door.
  - g. Half brick wall up to WSL in hall & up to PPL in stage.
  - h. 15mm Plaster.
  - i. Colour washing.
  - j. RCC post & Lintel.
  - k. Plinth height = 60cm
  - l. Plinth area = 129.6 Sq.m for Dhemaji & Jonai
9. Drawing: - All the drawing required for this purpose are supplied with the estimate.
  - a. 1. Preliminary drawing showing Plan, Elevation & Cross-section.
  - b. Structural drawing showing the details of footing, foundation, lintel etc.



10. Executing:- The works will be executed by a contraction Committees constituted for this purpose with one technical expert as the Secretary of the Committee. The works will be executed by observing all the guideline of the Assam PWD Schedule.

**Prepared By**

**Mr. B. R. Dutta**  
Assistant Engineer  
Dhemaji Zilla Parishad  
Dhemaji.



**ESTIMATE FOR TOILET BLOCK**

Item No. 1:	Earthwork in excavation of foundation trenches including filling up sides of trenches and removal of spoils after completion of foundation work, dressing, ramming, shoring etc. complete										
SOR	1.1 (a) including bailing out water, where necessary, in ordinary soil.										
	Footing :	4	x	0.600	x	0.600	x	0.900	=	1.296 Cum.	
									Total Qty.	=	1.296 Cum.
									@ Rs. 64.67 / Cum	- - - - -	Rs. 83.81
Item No. 2:	Providing soling in foundation and under floor with stone/best quality picked jhama brick, sand packed and laid to level and in panel after preparing the sub-grade as directed including all labour and materials and if necessary dewatering complete.										
SOR	4.1.1 (a) and materials and if necessary dewatering complete.										
	Footing :	4	x	0.600	x	0.600	=	1.440 Sq.m.			
	Under Floor	1	x	1.200	x	2.400	=	2.880 Sq.m.			
								Total Qty.	=	4.320 Sq.m.	
								@ Rs. 286.37 / Sq.m.	- - - - -	Rs. 1,237.12	
Item No. 3:	Plain cement concrete works with coarse aggregate of size 13mm to 32mm in foundation steps, footing of column & plinth beam as directed & specified including curing complete (shuttering where necessary shall be measured & paid separately) in proportion 1 cement: 5 sand: 10 coarse aggregate by volume.										
SOR	2.1.1 (c) where necessary shall be measured & paid separately) in proportion 1 cement: 5 sand: 10 coarse aggregate by volume.										
	Footing :	4	x	0.600	x	0.600	x	0.100	=	0.144 Cum.	
								Total Qty.	=	0.144 Cum.	
								@ Rs. 3,130.44 / Cum	- - - - -	Rs. 450.78	
								Cement Required = 0.144 x 4.25 bags	=	1.00 Bags	
								@ Rs. 65 / Bag	- - - - -	Rs. 65.00	
Item No. 4:	Supplying, fitting and laying in position reinforcement in position in RCC works including cutting, bending, cranking, binding with two plies 0.91mm (20SWG) black annealed wire, hooking, tying										
SOR	18.1.1(b)(ii) complete as directed.										
	Column: 10 $\phi$ , 4 Nos.	2	x	4	x	3.725	x	0.620	=	18.476 Kg.	
	Column: 10 $\phi$ , 4 Nos.	2	x	4	x	3.425	x	0.620	=	16.988 Kg.	
	Tie Beam: 10 $\phi$ , 4 Nos.	2	x	4	x	2.400	x	0.620	=	11.904 Kg.	
	Tie Beam: 10 $\phi$ , 4 Nos.	2	x	4	x	1.200	x	0.620	=	5.952 Kg.	
	Lintel Beam: 8 $\phi$ , 4 Nos.	2	x	4	x	2.400	x	0.390	=	7.488 Kg.	
	Lintel Beam: 8 $\phi$ , 4 Nos.	2	x	4	x	1.200	x	0.390	=	3.744 Kg.	
	Clom. Binder: 6 $\phi$ @ 150 c/c	2	x	25	x	0.550	x	0.220	=	6.010 Kg.	
	Clom. Binder: 6 $\phi$ @ 150 c/c	2	x	23	x	0.550	x	0.220	=	5.526 Kg.	
	Tie Binder: 6 $\phi$ @ 150 c/c	2	x	16	x	0.650	x	0.220	=	4.576 Kg.	
	Tie Binder: 6 $\phi$ @ 150 c/c	2	x	8	x	0.650	x	0.220	=	2.288 Kg.	
	Lintel Binder: 6 $\phi$ @ 150 c/c	2	x	16	x	0.550	x	0.220	=	3.872 Kg.	
	Lintel Binder: 6 $\phi$ @ 150 c/c	2	x	8	x	0.550	x	0.220	=	1.936 Kg.	
								Total Qty.	=	88.760 Kg.	
								Total Qty.	=	0.888 Qntl.	
								@ Rs. 4,746.44 / Qntl.	- - - - -	Rs. 4,214.84	
Price Difference	@ Rs. 1400.00 / Qtl.	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	Rs. 1,243.20	

Total C/O =	Rs.	7,294.75
Total B/F =	Rs.	7,294.75



- Item No. 5: Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering and propping etc. and removal of the same of in-situ reinforced and plain concrete work in (Using 25mm thick plank)(i) Foundation, footing, bases of column, pile cap, raft and mass concrete works etc and sides of tie beams, plinth beams, grade beams etc. at or below plinth level.

Qty:	4	x	4	x	0.600	x	0.200	=	1.920	Sq.m.
	2	x	4	x	3.625	x	0.150	=	4.350	Sq.m.
	2	x	4	x	3.325	x	0.150	=	3.990	Sq.m.
	2	x	2	x	2.400	x	0.150	=	1.440	Sq.m.
	2	x	2	x	1.200	x	0.150	=	0.720	Sq.m.
	2	x	2	x	2.400	x	0.150	=	1.440	Sq.m.
	2	x	2	x	1.200	x	0.150	=	0.720	Sq.m.
								Total Qty. =	14.580	Sq.m.
								@ Rs. 140.84 / Sq.m. - - - - -	Rs.	2,053.45

- Item No. 6: R.C.C work in proportion 1:3:6 in foundation, abutment, piers, wing walls etc. with hard broken stone aggregate of size 13mm to 38mm including curing with necessary timber chattering, scaffolding where necessary, complete as directed (Shuttering, scaffolding cost will be paid separately.)

## SUB-STRUCTURE

Footing:	4	x	0.60	x	0.60	x	0.200	=	0.288	Cum.
Colm. upto PL	4	x	0.15	x	0.15	x	0.925	=	0.083	Cum.
	2	x	2.40	x	0.15	x	0.20	=	0.144	Cum.
	2	x	1.20	x	0.15	x	0.20	=	0.072	Cum.
(-)	4	x	0.15	x	0.15	x	0.20	=	-0.018	Cum.
								Total Qty. =	0.569	Cum.
								@ Rs. 4,734.15 / Cum - - - - -	Rs.	2,693.73

Cement Required = 0.692 x 6.13 bags = 3.00 Bags

@ Rs. 65 / Bag - - - - - Rs. 195.00

## SUPER-STRUCTURE

Column	2	x	2.70	x	0.15	x	0.15	=	0.122	Cum.
	2	x	2.40	x	0.15	x	0.15	=	0.108	Cum.
	2	x	2.40	x	0.15	x	0.13	=	0.094	Cum.
	2	x	1.20	x	0.15	x	0.13	=	0.047	Cum.
(-)	4	x	0.20	x	0.20	x	0.15	=	-0.024	Cum.
								Total Qty. =	0.347	Cum.

- 2.2.1 (B)(ii)(a) @ Rs. 4,929.24 / Cum - - - - - Rs. 1,710.45

Cement Required = 0.525 x 6.13 bags = 2.00 Bags

@ Rs. 65 / Bag - - - - - Rs. 130.00

- Item No. 8: Earth/Sand filling in plinth in layers not more than 15cm thick, including necessary carriage, watering, ramming, etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes may be necessary.(C) With riversand or silt by truck carriage including loading and unloading

1	x	2.40	x	1.20	x	0.300	=	0.864	Cum
							Total Qty. =	0.864	Cum

@ Rs. 322.75 / Cum - - - - - Rs. 278.86

Total C/O =	Rs.	14,077.38
Total B/F =	Rs.	14,077.38

Item No. 9: 112mm thick 1st class brick nogged wall in cement mortar including racking out joints and curing  
 SOR 4.1.7 complete as directed in super structure above plinth upto 1st floor level (protruding MS Tor Steel of column to be embedded in cement mortar and will be measured and paid separately) (b) In prop. 1:4

	1	x	2,400	x	2,700	=	6,480 Sq.m.
	1	x	2,400	x	2,400	=	5,760 Sq.m.
	3 x	0.5 x	(2.70+2.40)	x	1.200	=	11,475 Sq.m.
	(-)	2	x	2,100	x	0.750	= -3,150 Sq.m.
						Total Qty. =	20,565 Sq.m.
#						/ Sq.m. - - - - -	Rs. 10,665.42
						Cement Required = 20,565 x 2.13 bags/10sqm.	= 4.00 Bags
	@ Rs. 65	/	Bag	- - - - -	=		Rs. 260.00

Item No.10: 10mm thick cement plaster in single coat on fair side of brick/concrete walls for interior  
 SOR 6.2.1 plastering upto 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed. (b) In prop. 1:4  
 Same as item No.9 = 20,565 Sq.m.

						@ Rs. 88.60 / Sq.m. - - - - -	Rs. 1,822.06
						Cement Required = 41.13 x 0.87 bags/10sqm.	= 2.00 Bags
	@ Rs. 65	/	Bag	- - - - -	=		Rs. 130.00

Item No.11: 40mm thick CC flooring consisting of 25mm under layer of cement concrete in prop  
 SOR 5.1.3 1:3:6(1cement:3coarse sand:6coarse aggregate of 12.5mm down.....complete as directed.

	1	x	2,400	x	1,200	=	2,880 Sq.m.
						Total Qty. =	2,880 Sq.m.
						@ Rs. 345.32 / Sq.m. - - - - -	Rs. 994.52

Item No.:12 Providing fitting hoisting and fixing of roof trusses including purlins fabricated out of MS black  
 SOR 18.3.1 tubes conforming to IS code as per approved design and drawing including providing MS cleats, base plates, bolts and nuts and one coat of red oxide primer as directed.

	3	x	2,100	x	3,150	=	19,845 Kg.
	3	x	3,000	x	3,150	=	28,350 Kg.
						Total Qty. =	48,195 Kg.
						Total Qty. =	0.482 Qntl.
						@ Rs. 5,875.00 / Qntl. - - - - -	Rs. 2,831.46

Item No.13: Supplying, fitting and fixing of GCI Sheet roofing (0.45mm thick)

	1	x	2,10	x	3,000	=	6,300 Sq.m.
						@ Rs. 335.27 / Sq.m. - - - - -	Rs. 2,112.20

<b>Total C/O =</b>	<b>Rs.</b>	<b>30,780.83</b>
<b>Total B/F =</b>	<b>Rs.</b>	<b>30,780.83</b>



Item No.:14 Supplying, fitting and fixing door frame made of M.S equal angles of size 40mmx40mmx5mm SOR 18.7.1 fabricated, welded, nitres and joined as per relevant I.S.Codes.....complete at all levels as specified.

Qty: 2 x 4.950 = 9.900 Rm.  
Total Qty. = 9.900 Rm.  
@ Rs. 334.80 / Rm. - - - - - Rs. 3,314.52

Item No.:15 Providing, fitting and fixing full panel doors/windows including oxidised MS butt hinges(100mmx75mmx3.55) with necessary screws(other fittings to be measured and paid separately.)(iii) 30mm thick

Qty: 2 x 2.100 x 0.750 = 3.150 Sq.m.  
Total Qty. = 3.150 Sq.m.  
@ Rs. 1,406.43 / Qntl. - - - - - Rs. 4,430.25

Total = Rs. 38,525.61

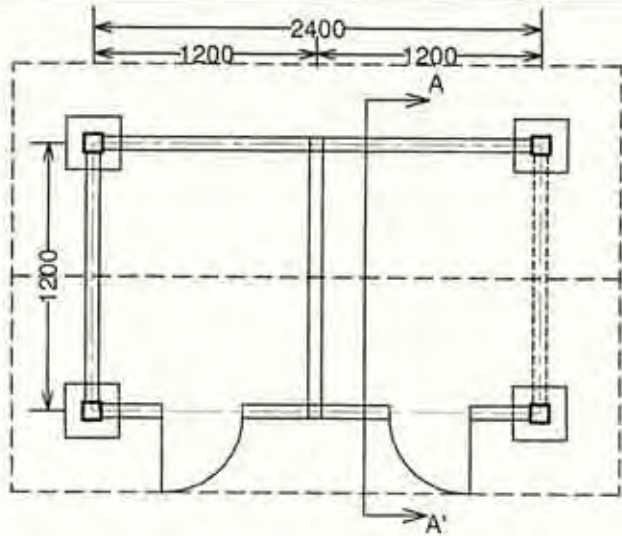
SAY = Rs. 38,526.00

Rupees Thirty Eight Thousand Five Hundred and Twenty Six Only.

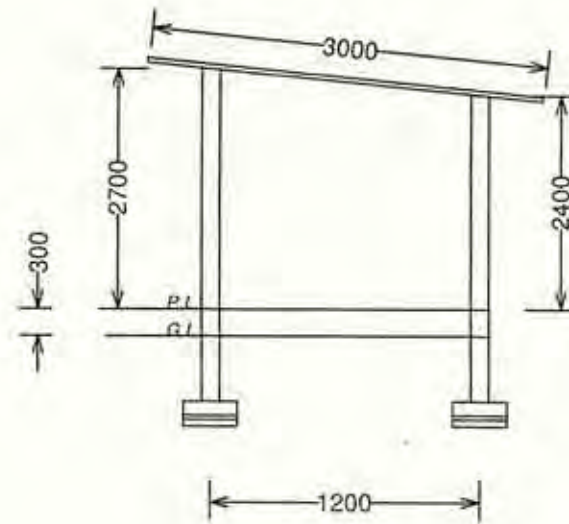
Sri P.C. Bhattacharja, ACS  
Chief Executive Officer  
Dhemaji Zilla Parishad  
Dhemaji

Sri B.R. Dutta  
Assistant Engineer  
Dhemaji Zilla Parishad  
Dhemaji

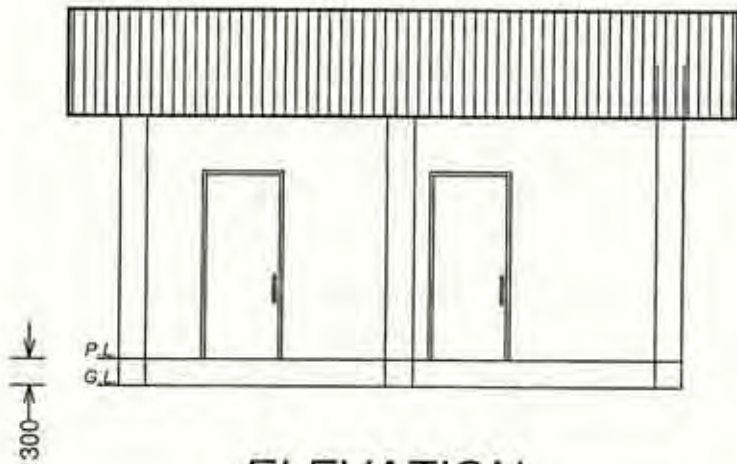
Sri R. Chutia,  
Junior Engineer  
Dhemaji Zilla Parishad  
Dhemaji



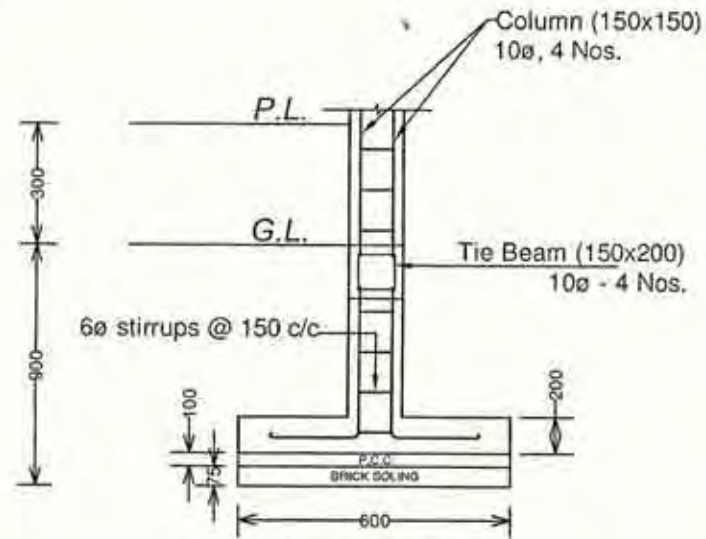
PLAN of TOILET BLOCK



Section at A-A'



ELEVATION



Footing Details

