

T.S. No. MZP/13th Finance/2011-12/668 dt 5/5/12

**MODEL ESTIMATE FOR  
COSTRUCTION OF COMMUNITY HALL**

AT

**UNDER  
13TH FINANCE COMMISSION GEN. PERFORMANCE GRANT  
FOR THE YEAR 2011-12**

**MORIGAON ZILLA PARISHAD, MORIGAON**

1. Name of Work : Construction of Community Hall
2. Name of the Programme : General Performance Grant of 13th Finance Commission 2011-12
3. Estimated Amount : Rs. 8,00,000.00 (Rupees eight lakh) only.

### REPORT

This estimate amounting to Rs. 8,00,000.00 (Rupees eight lakh) only has been framed to show the probable cost for Construction of Community Hall at Joribor near Ouguri High School under the General Performance Grant of 13th Finance Commission 2011-12


The detailed estimate has been prepared as per the instruction of the Chief Executive Officer, Zilla Parishad, Morigaon.

The following provisions is made in the estimate: -

1. Assam Type Building of size 93.6 m<sup>2</sup> plinth area
2. R.C.C. Post, timber frame with GCI Sheet
3. Plastering, flooring, colouring, ceiling etc.
4. Contingency

The rates considered in this estimate as per A.P.W.D. schedule of rates for Civil Works (Bldg.) for 2010-11 and analysis rates on the prevailing market price as on when necessary.

All works will be carried out as per the A.P.W.D. specification and relevant I.S. code in practice which are current in the state.

  
Junior Engineer  
Morigaon Zilla Parishad

Name of Scheme: *G.P. Hall at Sonbar near Jagan High School, Chik  
Bh. B. Nagar 2011-12 (1st)*

ITEM OF WORK

**Item No.: 1** Earth work in excavation of foundation tranches of walls, footing of  
**1.3** columns, retaining walls etc. .... as specified.

c) With river sand or shelf or truck carriage including loading and unloading

Post 18 x 0.60 x 0.60 x 0.90 = 5.83 m<sup>3</sup>

@ Rs. 64.67 /m<sup>3</sup> ..... Rs. 377.00

**Item No.: 2** Brick soling in foundation and other floor with best quality picked jhama  
**4.1** brick etc. .... laid to level.

P: 18 x 0.50 x 0.50 = 4.50 m<sup>2</sup>

Floor: 1 x 12.00 x 7.80 = 93.60 m<sup>2</sup>

Total = 98.10 m<sup>2</sup>

@ Rs. 286.00 /m<sup>2</sup> ..... Rs. 28057.00

**Item No.: 3** Providing plain cement concrete work in floor .... as directed

**2.1.1**

P: 18 x 0.50 x 0.50 x 0.30 = 1.35 m<sup>3</sup>

Step 2 x 3.00 x 1.50 x 0.20 = 1.80 m<sup>3</sup>

Total = 3.15 m<sup>3</sup>

@ Rs. 3733.63 /m<sup>3</sup> ..... Rs. 11761.00

**Item No.: 4** Supplying, fitting & fixing in position reinforcement bars conforming to  
rate vant I.S. Code for R.C.C. works ..... complete.

12mm rod

Post: 12 x 4 x 5.00 = 240.00 RM

Post: 6 x 4 x 4.00 = 96.00 RM

T/Beam: 1 x 6 x 51.60 = 309.60 RM

Lintel: 1 x 4 x 36.00 = 144.00 RM

Total = 789.60 RM

@ 0.89 kg/RM ..... = 702.74 kg.

Centre c/hall at Janibor, near ougar High school  
13th January 2011-12

6mm dia

Post:	12 x	34 x	1.40 =	571.20 RM
	6 x	27 x	1.40 =	226.80 RM
T/Beam:	1 x	345 x	1.30 =	448.50 RM
Lintel:	1 x	245 x	1.10 =	269.50 RM

Total = 1516.00 RM

@ 0.22 kg/RM ..... = 333.52 kg.

Net = 1036.26 kg.

Add 5% for wastage = 51.81 kg.

= 1088.08 kg.

= 10.88 Qtl.

@ Rs. 5267.09 /Qtl. .... Rs. 57310.00

(b) Plain rod for window and ventilation (16mm dia)

W:	10 x	9 x	2.10 =	189.00 RM
V:	10 x	2 x	2.10 =	42.00 RM
V:	2 x	2 x	1.30 =	5.20 RM

Total = 236.20 RM

@ 0.89 kg/RM ..... = 210.22 kg.

= 2.10 Qtl.

@ Rs. 5267.09 /Qtl. .... Rs. 11072.00

**Item No.: 5** Providing form work of ordinary timber planking so as to give rough finish including centering etc. .... complete

3.1.1.2

P:	18 x	4 x	4.00 x	0.30 =	86.40 m <sup>2</sup>
T/B:	3 x	1 x	51.60 x	0.30 =	46.44 m <sup>2</sup>
Lintel:		3 x	18.00 x	0.30 =	16.20 m <sup>2</sup>
Total =					149.04 m <sup>2</sup>

@ Rs. 206.67 /m<sup>2</sup> ..... Rs. 30802.00

**Item No.: 6** Providing brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed in prop. 1:5

4.1.5

Wall:	1 x	51.60 x	1.10 x	0.25 =	14.19 m <sup>3</sup>
Step:	2 x	3.00 x	0.60 x	0.25 =	0.90 m <sup>3</sup>
Total =					15.09 m <sup>3</sup>

@ Rs. 4508.30 /m<sup>3</sup> ..... Rs. 68030.00

Item No.: 7 112mm thick 1st class brick nogged wall in cement mortar including racking out joints curing etc. in prop. 1:5 (above pl)

4.1.7

	1	x	36.00	x	3.20	=	115.20	m <sup>2</sup>		
Deduction for D, W & V										
D:	2	x	2.10	x	1.20	=	5.04	m <sup>2</sup>		
W:	10	x	2.00	x	1.30	=	26.00	m <sup>2</sup>		
V:	10	x	2.00	x	0.45	=	9.00	m <sup>2</sup>		
	2	x	1.20	x	0.45	=	1.08	m <sup>2</sup>		
							Total	=	74.08	m <sup>2</sup>

@ Rs. 499.76 /m<sup>2</sup> ..... Rs. 37022.00

Item No.: 8 Providing 1st class wood work for door, window and ventilation for chowkaths including fitting, fixing etc.

9.1.2

D:	2 x 2	x	2.10	x	0.10	x	0.08	=	0.07	m <sup>3</sup>		
	1 x 2	x	1.20	x	0.10	x	0.08	=	0.02	m <sup>3</sup>		
W:	10 x 2	x	2.00	x	0.10	x	0.08	=	0.32	m <sup>3</sup>		
	10 x 2	x	1.30	x	0.10	x	0.08	=	0.21	m <sup>3</sup>		
V:	10 x 2	x	2.00	x	0.10	x	0.08	=	0.32	m <sup>3</sup>		
	10 x 2	x	0.45	x	0.10	x	0.08	=	0.07	m <sup>3</sup>		
V:	2 x 2	x	1.20	x	0.10	x	0.08	=	0.04	m <sup>3</sup>		
	2 x 2	x	0.45	x	0.10	x	0.08	=	0.01	m <sup>3</sup>		
									Total	=	1.06	m <sup>3</sup>

@ Rs. 55200.04 /m<sup>3</sup> ..... Rs. 58468.00

No.: 9 Providing and laying plain/reinforcement works in prop 1:2:4 including curing etc. .... (paid seperately)

2.1 (a)

P:	12	x	5.00	x	0.30	x	0.30	=	5.40	m <sup>3</sup>		
P:	6	x	4.00	x	0.30	x	0.30	=	2.16	m <sup>3</sup>		
T/B:	1	x	51.60	x	0.30	x	0.30	=	4.64	m <sup>3</sup>		
L:	1	x	36.00	x	0.30	x	0.25	=	2.70	m <sup>3</sup>		
									Total	=	14.90	m <sup>3</sup>

@ Rs. 4734.15 /m<sup>3</sup> ..... Rs. 70558.00

**Item No.: 10** Providing wood work in ceiling etc. including fitting and fixing etc. as directed.

9.1.2

Ceiling:	6	x	13.50	x	0.05	x	0.03	=	0.12 m <sup>3</sup>	
	12	x	6.00	x	0.05	x	0.03	=	0.11 m <sup>3</sup>	
	3	x	13.50	x	0.05	x	0.03	=	0.06 m <sup>3</sup>	
	11	x	2.00	x	0.05	x	0.03	=	0.03 m <sup>3</sup>	
	Total								=	0.32 m <sup>3</sup>

@ Rs. 39903.10 /m<sup>3</sup> ..... Rs. 12899.00

**Item No. 10 (A):** Providing tubuler roof trush including fitting and fixing etc.

48 O.D.

Rafter:	2	x	5	x	4.00	=	40.00 RM		
	1	x	8	x	2.10	=	16.80 RM		
Purlin:	2	x	5	x	14.00	=	140.00 RM		
	1	x	3	x	14.00	=	42.00 RM		
Tie:	1	x	5	x	6.00	=	30.00 RM		
	Total							=	268.80 RM

@ 4.40 kg/RM = 1182.72 kg.

42 O.D.

Strut:	1	x	5	x	22.00	=	110.00 RM		
	@ 3.20 kg/RM							=	352.00 kg.

Net = 1534.72 kg.

Add 5% for wastage = 76.74 kg.

= 1611.46 kg.

= 16.11 Qtl.

@ Rs. 6821.10 /Qtl. .... Rs. 109888.00

**Item No.: 11** Providing wood work for door, window, ventilation shuttering including fitting and fixing etc. as directed with 1st class Gamari/Bonsum/Hollock wood

D:	2	x	2.10	x	1.10	=	4.62 m <sup>2</sup>		
W:	10	x	2.00	x	1.20	=	24.00 m <sup>2</sup>		
V:	10	x	1.75	x	0.30	=	5.25 m <sup>2</sup>		
	2	x	1.10	x	0.30	=	0.66 m <sup>2</sup>		
	Total							=	34.53 m <sup>2</sup>

@ Rs. 2474.95 /m<sup>2</sup> ..... Rs. 85460.00

**Item No.: 12** Providing corrugated galvanized Iron sheet roofing of TATA SHAKTEE /SAIL including fitting and fixing necessary galvanized J or L hooks , bolts and nuts ..... complete as directed.

8.1.2

Qnty:	2	x	14.50	x	3.65	=	105.85 m <sup>2</sup>		
	1	x	14.50	x	2.10	=	30.45 m <sup>2</sup>		
	Total							=	136.30 m <sup>2</sup>

@ Rs. 425.09 /m<sup>2</sup> ..... Rs. 57940.00

**Item No.: 13** Providing galvanized Iron ridging of TATA SHAKTEE /SAIL including fitting and fixing necessary screws, bolts and nuts ..... complete as directed.

5.1.4

Qty: 1 x 14.50 = 14.50 RM

@ Rs. 115.83 /RM ..... Rs. 1680.00

**Item No.: 14** 15mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering upto 1st floor level ..... complete.

6.2.2

Qty: 1 x 51.60 x 1.20 = 61.92 m<sup>2</sup>  
 2 x 36.00 x 3.20 = 230.40 m<sup>2</sup>  
 Total = 292.32 m<sup>2</sup>

Less for:

D 2 x 2.10 x 1.20 = 5.04 m<sup>2</sup>  
 W: 10 x 2.00 x 1.30 = 26.00 m<sup>2</sup>  
 V: 10 x 2.00 x 0.45 = 9.00 m<sup>2</sup>  
 2 x 1.20 x 0.45 = 1.08 m<sup>2</sup>  
 Net = 251.20 m<sup>2</sup>

@ Rs. 127.40 /m<sup>2</sup> ..... Rs. 32003.00

**Item No.: 15** 65mm thick cement concrete floor consisting of 50mm under layer of cement concrete in prop. 1 : 3 : 6 and 15 mm thick wearing layer in cement concrete etc. .... complete as directed.

5.1.3

Qty: 1 x 12.00 x 7.80 = 93.60 m<sup>2</sup>

@ Rs. 449.48 /m<sup>2</sup> ..... Rs. 42071.00

**Item No.: 16** Distemping with dry distemper of approved brand and manufactures (2 coats) and of required shade on new wall as directed.

13.2.2

Qty. As item No. (14) = 251.20 m<sup>2</sup>  
 For celing 1 x 12.00 x 6.00 = 72.00 m<sup>2</sup>  
 Total = 323.20 m<sup>2</sup>

@ Rs. 62.42 /m<sup>2</sup> ..... Rs. 20174.00

No.: 17 Providing AC board for ceiling including fitting and fixing etc.

Qty:	1 x 12.00 x 6.00 =	72.00 m <sup>2</sup>
	1 x 12.00 x 2.00 =	24.00 m <sup>2</sup>
	<b>Total =</b>	<b>96.00 m<sup>2</sup></b>

@ Rs. 295.15 /m<sup>2</sup> ..... Rs. 28334.00 ✓

No.: 12 Providing earth filling in plinth area by truck carriage including dressing etc as directed

Qty.	1 x 12.00 x 7.80 x 1.50 =	140.40 m <sup>3</sup>
	1 x 12.00 x 9.97 x 0.97 =	105.60 m <sup>3</sup> ✓
	<b>Total =</b>	<b>246.00 m<sup>3</sup></b> ✓

@ Rs. 425.75 /m<sup>2</sup> ..... Rs. 104844.00 ✓  
~~179278.00~~

No.: 13 Providing painting for new wood for door, window, ventilation etc.

T.S. recorded for Rs. 8,00,000/- L/S Rs. 6002.00 ✓

(Rupees Eight lakhs only)

Technical note forwarded herewith should be followed.

*05/5/12*  
Less 10% for contractor's profit  
Joint Director (Tech.)  
Office of the Commissioner  
Panchayat & Rural Development, Assam  
Panjabari, Guwahati-37

Total Rs. 874752.00 ✓

Rs. 87475.00 ✓

Total Rs. 787277.00 ✓

Miscellaneous expenditure Rs. 723.00 ✓

Providing sign board Rs. 4000.00 ✓

Total Rs. 792000.00 ✓

Add 1% for contingency Rs. 8000.00 ✓

Grand Total Rs. 800000.00 ✓

(Rupees eight lakhs) only

*C/S*  
*[Signature]*

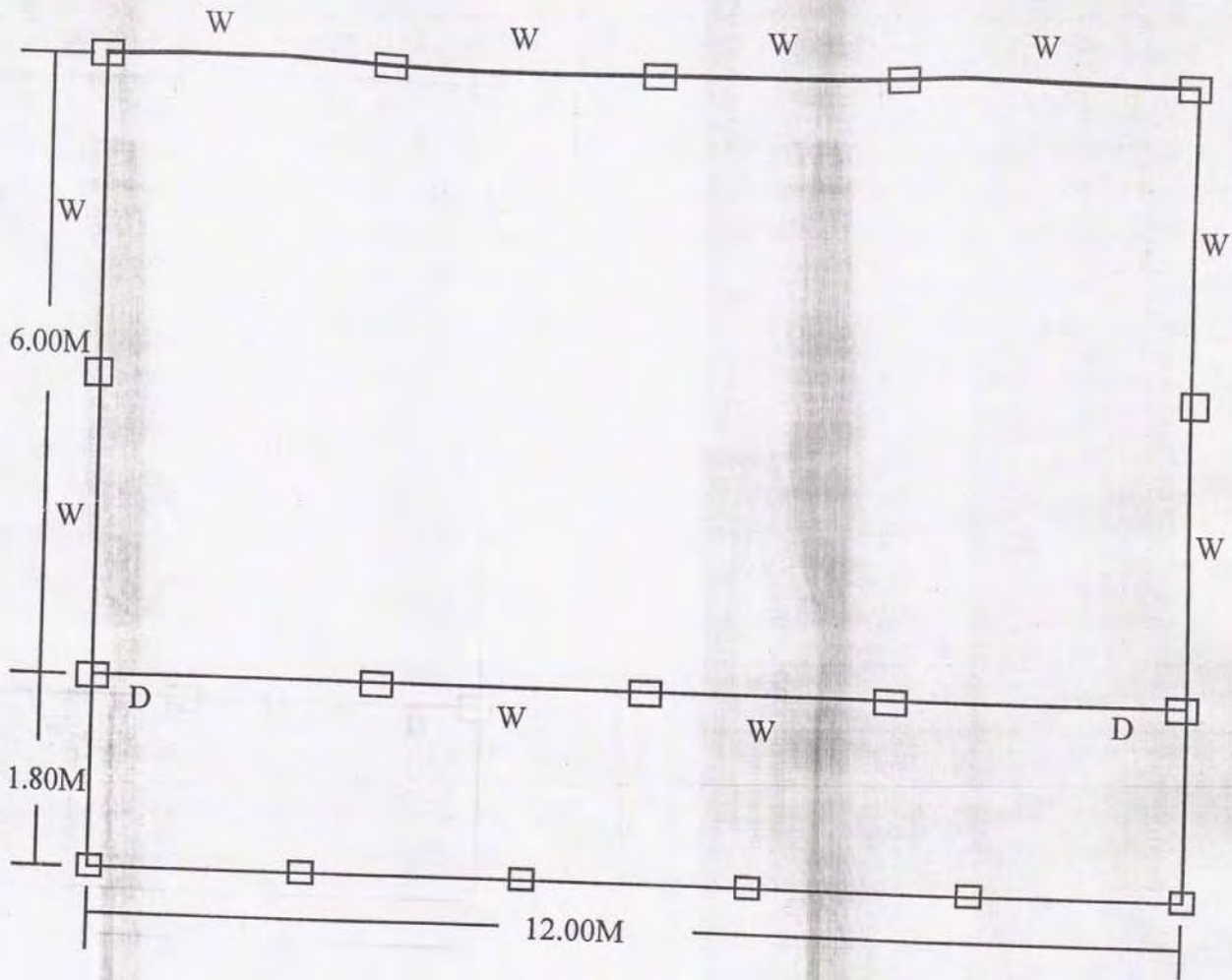
Executive Engineer  
BRDA, MORIGAON

Prepared by

*[Signature]*  
Junior Engineer  
Zilla Parishad, Morigaon




**DRAWING OF COMMUNITY HALL**  
**(NOT TO SCALE)**



**PLAN**

Post:  $12 + 6 = 18$  nos. (12mm dia rod 4 nos. and 15cm c-t-c stirup 6mm coil)  
 Tie Beam: 12mm dia 6 nos. rod and 6mm dia @ 15cm c-t-c stirup  
 Lintel: 12mm dia 4 nos. rod and 6mm dia @ 15cm c-t-c stirup

Prepared by  
  
 Junior Engineer  
 Morigaon Zilla Parishad  
 Junior Engineer,  
 Zilla Parishad, Morigaon