



सत्यमेव जयते

**GOVERNMENT OF ASSAM
OFFICE OF THE ZILLA PARISHAD :: BONGAIGAON
BONGAIGAON DISTRICT
BONGAIGAON :: ASSAM**

**(MODEL ESTIMATE)
DETAIL ESTIMATE FOR
CONSTRUCTION OF OPEN MARKET
SHED AT DIFFERENT PLACE UNDER
BONGAIGAON ZILLA PARISHAD**

- # PROGRAMME: - 13TH FINANCE AWARD
- # ZP : - BONGAIGAON
- # DIST : - BONGAIGAON :: ASSAM
- # ESTIMATED COST- Rs. - 25.00 LAKH

REPORT

1. Name of the Work :- (MODEL ESTIMATE) :- DETAIL ESTIMATE FOR CONSTRUCTION OF OPEN MARKET SHED AT DIFFERENT PLACE UNDER BONGAIGAON ZILLA PARISHAD
2. Situation of Works :- DIFFERENT VILLAGE UNDER BONGAIGAON ZP
2. Name of District :- BONGAIGAON, ASSAM.
3. LAC Segment :- 32 BONGAIGAON/ 33 BIJNI/34ABHAYAPURI NORTH/35 ABHAYAPURI
4. Programme :- 13TH FINANCE AWARD
5. Estimated Amount :- Rs.= 25.00 Lakh

This detail estimate amounting to Rs.= 25.00 Lakh (Rupees Twenty Five Lakh Only) have been framed for infrastructure development of the Agricultural marketing Sector of Bongaigaon District by Providing Open Market Shed at different Place under different Notified Bazar or "HAT" Area. The Bongaigaon Zilla Parishad have several Notified "HAT" at different village and many new un notified 'HAT' are also running. The HAT/BAZAR/GHAT are the main source of the Bongaigaon Zilla Parishad. But almost in all cases the ZP authority could not provide any permanent building in those weekly HAT or Bazar with all amenities. As per Modalities of Sectoral Reform and Bharat Nirman Project wide scope of Infrastructure development in Marketing Sector under 13th Finance Award may be achieved by providing new Permanent Open Market Shed at different Notified and new Bazar/ Hat area. Accordingly one model Estimate have been framed for Presently the following provisions have been made in this estimate: -

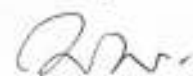
1. Construction of a Assam Type Open Building of size 19.81 m x 36.0 m with all side
2. The specification of works is as per PWD (Building) Norms.
3. Brick Plinth wall of 250mm thick up to plinth
4. Wall above lintel is proposed as 13 cm. thick
5. No Door / Window is proposed
6. Roof Truss is of Tubular Truss and span 19.81m and design as per IS - 806-1968 & SP-38(S&T)
7. Roofing with GCI sheet of Tata Shaktee Make
8. It is proposed to execute the works departmentally and 10% Contractors profit is
9. Contingency 2% Provision is made for miscellenous administrative expenses
10. VAT/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.

NON DUPLICACY CERTIFICATE

This is to certify that the above mention works was not included in any other Scheme for Construction of Open Market Shed and it is to further certify that no any works of the similar name and nature neither pending nor sanctioned in any way under Bongaigaon ZP jurisdiction.

Estimate Prepared By



Junior Engineer
Zilla Parishad, Bongaigaon

(MODEL ESTIMATE) :- DETAIL ESTIMATE FOR CONSTRUCTION OF OPEN MARKET SHED AT DIFFER ENT PLACE UNDER BONGAIGAON 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 - Post	18	x	1.25 x 1.25 x 1.36	= 38.25	
	Wall	14	x	9.53 x 0.45 x 1.06	= 63.64	
	Wall	18	x	6.00 x 0.45 x 1.06	= 51.52	
	Step	4	x	6.00 x 1.50 x 0.16	= 5.76	
	Total =	159.17	159.17	M3	64.67	10293.35
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 - Post	21	x	1.25 x 1.25 x 1	= 32.81	
	Wall	14	x	9.53 x 0.45 x 1	= 60.04	
	Wall	18	x	6.00 x 0.45 x 1	= 48.60	
	Step	4	x	6.00 x 1.50 x 1	= 36.00	
	Floor	1	x	19.31 x 36.00	= 695.16	
	Total =	872.61	872.61	M2	157.00	137000.01
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 - Post	21	x	1.25 x 1.25 x 0.08	= 2.63	
	Wall	14	x	9.53 x 0.45 x 0.08	= 4.80	
	Wall	18	x	6.00 x 0.45 x 0.08	= 3.89	
	Step	4	x	6.00 x 1.50 x 0.08	= 2.88	
	Total =	14.20	14.20	M3	3733.63	53003.06
4	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 Column Base/12 mm dia Rod - MB Main Building Post /16mm dia rod x 4 Nos.					
		21	x	2 x 12 x 1.50 @ 0.89	= 672.84	
		21	x	4 x 6.90 x 1 @ 1.58	= 915.77	

Tie Beam- 2x3x12mm dia										
tie beam	14	x	6	x	10.33	x	1	@	0.89	= 772.27
	18	x	6	x	6.80	x	1	@	0.89	= 653.62
Gabble Post x 4x12 mm dia										
	2	x	4	x	2.50	x	1	@	0.89	= 17.80
Lintel x 12 mm dia x 4 Nos										
	4	x	4	x	10.33	x	1	@	0.89	= 147.10
	12	x	4	x	6.80	x	1	@	0.89	= 290.50
Post Plate x 12 mm dia x 4 Nos										
	4	x	6	x	10.33	x	1	@	0.89	= 220.65
	12	x	6	x	6.80	x	1	@	0.89	= 435.74
Gabble Post plate - 16mm dia x 4 Nos										
	4	x	4	x	10.25	x	1	@	0.89	= 145.96
Above Step Chazax12 dia @15 c/c										
	4	x	40	x	1.50	x	1	@	0.89	= 213.60
6mm rod as Ring for Post										
	21	x	40	x	1.20	x	1	@	0.22	= 221.76
Tie beam Ring - 6mm dia										
	14	x	74	x	1.20	x	1	@	0.22	= 273.50
	18	x	50	x	1.20	x	1	@	0.22	= 237.60
Gabble Post Ring 6 mm dia rod										
	2	x	20	x	1.00	x	1	@	0.22	= 8.80
Lintel Ring - 6 mm dia										
	4	x	74	x	0.77	x	1	@	0.22	= 50.14
	12	x	50	x	0.77	x	1	@	0.22	= 101.64
Post Plate Ring - 6mm dia										
	4	x	74	x	1.40	x	1	@	0.22	= 91.17
	12	x	50	x	1.40	x	1	@	0.22	= 184.80
Gabble PP Ring - 6 mm dia										
	4	x	80	x	1.20	x	1	@	0.22	= 84.48
Chaza Front step distribution x 6mm dia										
	4	x	12	x	6.50	x	1	@	0.22	= 88.64
GRAND TOTAL = 5808.38										
GRAND TOTAL IN QUINTOL = 58.08 58.08 Qntl 5290.41 307286.97										

5 PWD/ 3.1.1

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

(A). In substructure up to plinth level

Post	21	x	4	x	1.25	x	0.20	=	21.00
	21	x	4	x	0.90	x	0.30	=	22.68
	21	x	4	x	0.30	x	1.75	=	44.10
tie beam	14	x	9.53	x	0.25	x	2	=	66.71
	18	x	6.00	x	0.25	x	2	=	54.00
Total = 208.49 208.49 M2 157.05 32743.35									

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.	21	x	4	x	3.60	x	0.25	=	75.60
Gabble Post	2	x	4	x	2.40	x	0.25	=	4.80

Step	4	x	6.00	x	1.00	x	0.15	=	3.60				
	4	x	6.00	x	0.75	x	0.15	=	2.70				
	4	x	6.00	x	0.50	x	0.15	=	1.80				
	4	x	6.00	x	0.25	x	0.15	=	0.90				
								Total =	54.42	54.42	M3	4423.20	240730.45

- 12 PWD/4.1.7.b.
112 mm thick brick nogged wall with cement mortar above plinth including curing complete.
(a) In proportion - 1:5

112mm thick brick wall above lintel

	4	x	9.53	x	0.82	x	1	=	31.26				
	12	x	6.00	x	0.82	x	1	=	59.04				
GableSide	4	x	9.53	x	2.40	x	0.50	=	45.74				
								TOTAL =	136.04	136.04	M2	518.62	70554.31

- 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	19.31	x	35.75	x	0.75	x	1	=	517.75		
								Total =	517.75	517.75	M3	322.75	167103.61

- 14 PWD/6.2.3
15 mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering up to first floor level including arises, Internal rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed
(a) In proportion 1:4

Two times of Net Brick works =	=	272.08	272.08	M2	94.06	25592.30
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- 15 PWD/5.1.4
65 mm thick cement concrete floor consisting of 50mm under layer of cement concrete 1:3:6 one cement: three part coarse aggregate; six part coarse sand in line and levels & 15mm thick wearing layer in cement concrete in 1:1:2 one cement: one coarse sand; two coarse aggregate with curing etc all complete with a floating coat of neat cement finish at the rate 2.75 Kg of cement of floor area complete as directed.

Floor	1	x	20.06	x	36.25	x	1	=	727.18				
Step	4	x	6.00	x	3.00	x	1	=	72.00				
								Total =	799.18	799.18	M2	449.48	359213.18

- 16 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

	2	x	1	x	20.06	x	0.75	=	30.09				
	2	x	1	x	36.25	x	0.75	=	54.38				
								Total =	84.47	84.47	M2	170.47	14398.75

- 17 PWD/18.3.1
Providing fitting hoisting& fixing of roof trusses including purlins fabricated out of MS black tubes conforming to relevent 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

Full Truss as per design - 5 Nos

1 x 4 x @ 650.00 kg/truss = 2600.00

Only Rafter 100mm dia above Gable post

2 x 2 x 10.25 @ 6.50 = 266.50

Purlin/ 40mm dia OD

2 x 10 x 40.50 @ 3.29 = 2664.90

Total (KG) = 5531.40

ADD FOR GUSSET PLATE, BASE PLATE ETC 10% OF TOTAL WEGHT(KG) = 1106.28

NET TOAL (IN QUINTOL) = 66.38 66.38 Quintol 5875.00 389963.70

18 PWD/8.1.2

Providing 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 37.50 x 11.25 = 843.75

Total = 843.75 843.75 M2 425.09 358669.69

19 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 37.50 = 37.50

Total = 37.50 37.50 M2 123.64 4636.50

20 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 = 272.08

Total = 272.08 272.08 M2 32.63 8678.13

21 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 = 272.08 272.08 M2 40.83 11109.22

22 PWD(B)/ 19.2 Providing Plinth Protection with bricks laid in cement mortar 1:4 and finished with 15 mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish

2 x 19.00 x 1.20 x 1 x 1 = 45.60

2 x 34.00 x 1.50 x 1 x 1 = 102.00

Total = 147.60 147.60 M2 458.06 67609.66

23 PWD(B)/19.4

Providing Drain with brick work in cement mortar in proportion 1:5 half brick thick wall side and 100mm thick cc 1:3:6 base over one brick flat soling including 15mm thick cement plastering in proportion 1:3 finished with a floating coat of cement slurry as directed with necessary earth work in excavation of foundation trenches and refilling the sides after completion of works etc. as directed.
(i) 300mm wide and average 250mm deep with bed slope 1 in 150 with initial depth of 100mm

2 x 19.00 x 1 x 1 x 1 = 38.00

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	2	x	36.00	x	1	x	1	x	1	=	72.00
To Storm water Drain											
	1	x	12.00	x	1	x	1	x	1	=	12.00
										Total =	122.00

122.00 M 808.72 98663.84

24 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 8.0KM (Forest royalty shall be reimbursed on production of necessary certificate from forest authority duly countersigned by DFO concerned. (ii) Other than Guwahati Municipality area

2	x	20.00	x	10.00	x	0.30	=	120.00
2	x	36.00	x	12.00	x	0.30	=	259.20

Total = 259.20 259.20 M3 205.52 53270.784

TOTAL Rs = 2722970.10

LESS 10% DUE TO DEPARTMENTAL EXECUTION Rs = 272297.01


TOTAL Rs = 2450673.09

ADD 2% CONTINGENCY Rs = 49013.45

NET TOTAL Rs = 2499686.55

SAY Rs.= 25.00 LAKH ONLY

(Rupees Twenty Five Lakh Only)


Chief Executive Officer
Zilla Parishad, Bongaigaon

ESTIMATE PREPARED BY


Junior Engineer
Zilla Parishad, Bongaigaon