

**Estimated for Construction of Marketshed at
Borgaon Weekly Market**

Name of ZPC	::	Borgaon
Name of AP	::	Bihaguri
Programme	::	Thirteen Finance Commission (General Basic Grant)
Year	::	2012-13
Estimated Amount	::	₹ 25,00,000/- (Rupees Twenty Five Lakh)

Name of work : Construction of Marketshed at
Borgaon Weekly Market

Name of programme : Thirteen Finance Commission
(Basic Grant)

Name of Z.P. : Sonitpur

Name of Z.P.C. : Borgaon

Estimated amount : ₹ 25,00,000/-

REPORT

This detailed estimated amounting to ₹ 25,00,000/- (Rupees Twenty Five lakh) only has been framed to show the probable cost of above mentioned work and programme.

The scheme has been taken up to fulfill the public interest for community development, Resource Mobilization of Zilla Parishad to increase its revenue as well as to provide employment to the poor people of the locality who are facing unemployment in the lean season.

The scheme has been prepared as per schedule of Rates of APWD (building) for the year 2010-11 and analysis rates on the prevailing market price and as on when necessary and in addition 30% price escalation over SR.

All works be carried out in accordance with general APWD specification and also I.S. code of practice unless otherwise mentioned.


Executive Engineer
Sonitpur Zilla Parishad
Tezpur


Junior Engineer
Sonitpur Zilla Parishad
Tezpur

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ESTIMATE FOR CONSTRUCTION OF MARKETING SHED AT - BARBADON

Programme ~~the~~ ^{the} ~~15th~~ ^{15th} ~~PL~~ ^{PL} for the Year - 2012-2013

(Estimate is prepared as per PWD Schedule of rate for building for the Year 2010-11)

(A) **ESTIMATE OF MARKET SHED**

Item No	Description of Item	Qty	Unit	Rate	Amount
1/1.1 (a)	<p>Earth work in excavation for foundation trenches of walls, retaining walls footing of columns, steps, septic tanks etc. including refilling (return filling) the qty as necessary after completion of works, breaking clogs in return filling, dressing, watering and ramming of surplus earth with all lead & lift as directed and specified in following classification of soils including bailing out water where necessary as directed & specified.</p> <p>(i) In ordinary soil: For P/.Wall 2x24mx0.60mx0.60m = 17.28 For S/.Wall 2x3.60mx0.60mx0.60m = 2.59 Extra for post 18x0.60x0.60x0.15m = 0.972 Total 20.84</p>	20.84	Cum	64.67	1347.72
2/2.1.1	<p>Plain Cement Concrete works with Coarse agg. Of size 13mm to 32mm in foundation bed for footing, steps, walls, brick works etc. as directed and specified including curing complete (shuttering where necessary shall be measured and paid separately)</p> <p>(b) In prop.: 1:4:8 For P/.Wall 2x24.00mx0.60mx0.075m = 2.16 For S/.Wall 2x3.60mx0.60mx0.075m = 0.324 Total 2.484</p>	2.484	Cum	3398.1	8440.88
3/18.1.1	<p>Supplying fitting and fixing in position reinforcement bars conforming to relevant I.S. code for RCC works / R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details supplying and bending with 20 annealed black wire tying in position with proper blocks, supports, in position etc.</p> <p>(b) T.M.T bars II) other ISI marked Foundation jall 10 mm dia 18x5x2x0.60m = 108.00m @ 0.62kg/m = 0.67 qtl</p>				

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	<p>Post, 4 nos 12 mm dia Post 18(4x4.35m) =313.20 m Lap 48x0.45m =21.60 Total 300.00 m @ 0.89 kg/m = 2.98 qtl</p> <p>Provision for lintel 4 nos 10 mm dia 2x24.00m x4 =192.00m 2x3.6m x4 =28.80m Lap 24x0.45m =10.80 Total 231.60 m @ 0.62 kg/m = 1.43 Total 5.08</p>	5.08	Qtl	5290.41	26875.28
	<p>c) IS approved MS rod 6mm dia stirrups For post 18(28x0.60m) = 302.40m For lintel 2(160x0.50m) = 160.00 m For lintel 2(25x0.50m) = 25.00 Total 487.40m @ 0.22 kg/m 1.07qtl</p>	1.07	Qtl	5241.78	5608.70
4/2.2.1	<p>Providing and laying plain / reinforced cement concrete works in prop. 1:2:4 including curing complete by excluding cost of form work and reinforcement shall be measured and paid separately.</p> <p>(a) In sub structure up to PL (i) Foundation, footing</p> <p>Post foundation 18(0.60mx0.60mx0.15m) = 0.972 18 x (0.602 x 0.252) / 2 x 0.15 = .0487 Post up to PL 18x0.25mx0.25mx0.97m = 1.09 Total 2.549</p>	2.549	Cum	4734.15	12067.35
	<p>(b) In super structure from PL up to 1st floor level. (ii) Column, pillar posts.....</p> <p>Post above PL 18 x 0.13 x 0.13 x 3.00m = 0.917 Lintel 2x24.00mx0.13mx0.13m = 0.811 Lintel 2x3.6.00mx0.13mx0.13m = 0.121 Total 1.849</p>	1.849	Cum	4929.24	9114.16
5/3.1.1	<p>Providing form work of ordinary form work of ordinary planking so as to give a rough finish including centering shuttering and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 m and removal of the same for inside reinforced concrete and plain concrete work.</p> <p>A) In sub structure up to PL</p>				

	3.1.1. Foundation footing base of ----- Post above PL 18(4x 0.25x4x0.97m =17.46	17.46	Sqm	140.84	2,459.07
	B0 In super structure 3.1.1.3 Column pillar post ----- Post above PL 18(4x 0.13x4x3.00 mm =32.40	32.4	Sqm	213.73	6,924.85
	3.1.1.4 Beam & Lintel Lintel -2(3x0.13x24.00m) = 18.72 Lintel 2(3x0.13x3.60m) = 2.80 Total 21.52	21.52	Sqm	163.01	3,507.98
6/4.1.4	Brick work in cement mortar with 1st class brick including racking out joints and curing complete. c) In prop 1:5 L/Wall 2x24.00mx0.225mx1.05 m = 11.34 S/Wall 2x3.60mx0.225mx1.05 m = 1.70 Steps 3x1.20 mx0.90 mx0.15 m = 0.486 3x1.20 mx0.60 mx0.15 m = 0.324 3x1.20 mx0.30 mx0.15 m = 0.162 Total 14.012	14.012	Cum	4423.2	61977.88
7/1.3	Earth/ sand filling inplinthin layer not more than 150 mm thgick including-----specified c) With river sand-----unloading Out side of plinth 2x28.00mx4.00x0.30m = 67.20 2x3.60mx4.00x0.30m = 8.64 Shed 23.775 mx3.375 mx0.60m = 48.14 Total 123.98	123.98	Cum	291.56	36147.61
8/4.1.1	Providing soling in foundation and under floor at all level with stone-----watering complete. a) Brick flat soling Below P/wall 2x24.00mx0.60m = 28.80 2x3.60mx0.60m = 4.32 Shed 23.775 mx3.375 m = 80.24 Total 113.36	113.36	Sqm	286.37	32462.90
9/ 5.1.5	65 mm thick cement concrete flooring with 53 mm under layer----- finished Floor area 24.25 mx3.85 m = 93.36	93.36	Sqm	435.43	40651.74
10/18.3.1	Providing fitting hoisting and fixing of roof truss including purlins fabriceted out -----directed 42.5 mm dia O.D Post plate 2x24.00 m = 48.00 m 2x3.60 m = 7.60 m Rafter 9x2x2.50 m= 45.00 m King post 9x1x1.20 m= 10.80 m				

	Queeh post $9 \times 2 \times 0.90 \text{ m} = 16.20 \text{ m}$ $9 \times 2 \times 0.60 \text{ m} = 10.80$ Struts $9 \times 2 \times 1.20 \text{ m} = 21.60 \text{ m}$ $9 \times 2 \times 0.90 \text{ m} = 16.20 \text{ m}$ $9 \times 2 \times 0.75 \text{ m} = 6.00 \text{ m}$ Tie $9 \times 1 \times 4.00 \text{ m} = 36.00 \text{ m}$ Total 212.20 m Purlin $2 \times 3 \times 25.00 \text{ m} = 150.00 \text{ m}$ Total 362.20 m @ 3.29 kg/m ----- 1191.63 kg-	11.91	Qtl	5875.00	69971.25
11/6.2.2	15 mm thick cement plaster in single coat on rough side for interior plastering complete as directed b) In prop 1:4 For plinth wall $2 \times 24.25 \text{ m} \times 0.60 \text{ m} = 25.50$ $2 \times 3.85 \text{ m} \times 0.60 \text{ m} = 4.62$ Post $18 \times 4 \times 0.13 \times 3.00 \text{ m} = 28.08$ Steps Tread $3 \times 3 \times 1.20 \text{ m} \times 0.30 \text{ m} = 3.24$ Rise $3 \times 3 \times 1.20 \text{ m} \times 0.15 \text{ m} = 1.62$ Sides $3 \times 2 \times 0.90 \text{ m} \times 0.15 \text{ m} = 0.81$ $3 \times 2 \times 0.60 \text{ m} \times 0.15 \text{ m} = 0.54$ $3 \times 2 \times 0.30 \text{ m} \times 0.15 \text{ m} = 0.27$ Total 68.28 m	68.28	Sqm	111.25	7596.15
11/8.1.2	Providing corrugated galvd iron sheet roofing including fitting, fixing necy galvd. J or L hook bolts & nuts-----purlin etc. a) 0.63 mm thick Roof area $2(25.00 \text{ m} \times 2.50 \text{ m}) = 125.00$	125.00	Sqm	409.1	51,137.50
13.5.3.1	Brick on edge floor with first class brick granted with cement mortar in prop 1:4 including cement pointing in prop 1:1 finished and curing complete $(2 \times 27.2 \times 2.00) + 2 \times 2.5 \times 2.00 = 118.80 \text{ m}^2$	118.80	Sqm	536.64	63753.00

Cost of one unit Rs 440044.00

Similar for 6 (Six) nos of units Rs 2640264.00

Sub Estimate for Drain of Marketshed

at.....

Programme ::

(Estimate is prepared as per PWD schedule of rate for building for the year 2010-11)

Item No	Description of Item	Qty	Unit	Rate	Amount
1/1.1(a)	Earth work in excavation for foundation trenches of walls, retaining walls footings of column, steps septic tanks etc including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming of surplus earth with all lead and lift as directed and specified including bailing out water necessary as directed. In ordinary soil. (i) In Ordinary soil : For $1 \times 50.00 \times 0.90 \times 0.45 = 20.25$	20.84	Cum	64.67	1310.00
2/2.1.1	Plain cement concrete works with coarse aggregate of sizes 13 mm to 32 mm in foundation bed for footing, steps, walls etc as directed and specified including curing complete (shuttering where necessary shall be measured and paid separately). (b) In prop : 1 : 4 : 8 For $1 \times 50.00 \times 0.90 \times 0.45 = 20.25$	3.6	Cum	3733.63	13441.00
3/18.1.1	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code for RCC work / RB walling including straighten, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 annealed black wire and placing in position with proper blocks supports, chairs, spacers etc complete (b)TMT bar (ii) other ISI marked Foundation Jail 8 mm dia $55 \times 6 \times 0.90 = 297$	2.02	Qtl	4746.44	9588.00

Item No	Description of Item	Qty	Unit	Rate	Amount
	$55 \times 10 \times 0.40 = 220$ Total = 517 Rm				
4/2.2.1	Providing and laying Plain / reinforced cement works in prop 1:2:4 including curing complete by excluding cost of form work and reinforcement shall be measured and paid separately. (a) In sub structure up to PL (i) Slab over drain Post foundation $55 \times 0.90 \times 0.45 \times 0.12 = 2.27$	2.23	Cum	4734.15	10557.00
5/3.1.1	Providing form work of ordinary for work of ordinary planking so as to give a rough finish including centering shuttering and propping etc height of propping and centering below supporting floor to ceiling not exceeding 4 m and removal of the same for inside reinforced concrete and plain concrete work 3.1.1.4 Beam & Lintel $55 \times 0.90 \times 0.45$	22.27	Sqm	163.01	3630.00
6/4.1.4	Brickwork in cement mortar with 1 st class brick including racking out joints and curing complete Wall - $2 \times 2.50 \times 0.23 \times 0.45 = 10.35$	10.35	Cum	4632.29	47944.00
7/1.2	Plinth layer not more than 150 mm thick including specified c) With river sand unloading $2 \times 29.00 \times 0.20$	11.60	Cum	29.56	3382.00
8/4.1.1	Providing soil foundation and under floor with stone at all level. Watering complete. $1 \times 50.00 \times 0.90 = 45.00$	45.00	Sqm	286.37	12887.00
11/6/2.2	15 mm thick cement plaster in single coat on rough side for interior complete as directed In Prop $2 \times 50.00 \times 0.45 = 45.00$ For plinth wall $1 \times 50.00 \times 0.25 = 12.50$ Total = 57.50	57.50	Sqm	126.36	7266.00
	Total				1,10,005.00

Grand Total of 6 Nos of Market Sheds and drains . Rs 26,40,264.00 + Rs 11,005.00

Grand Total Rs 27,50,269.00
Deduction 10 % CP (-) Rs 27,5026.00

Add 1 % Contingency (+) Rs 24,75,242.10
Rs 24,752.42

Grand Total Rs 24,99,999.50

Say Rs 25,000000.00

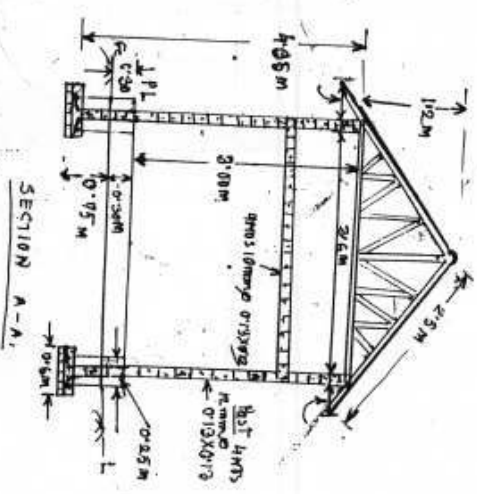
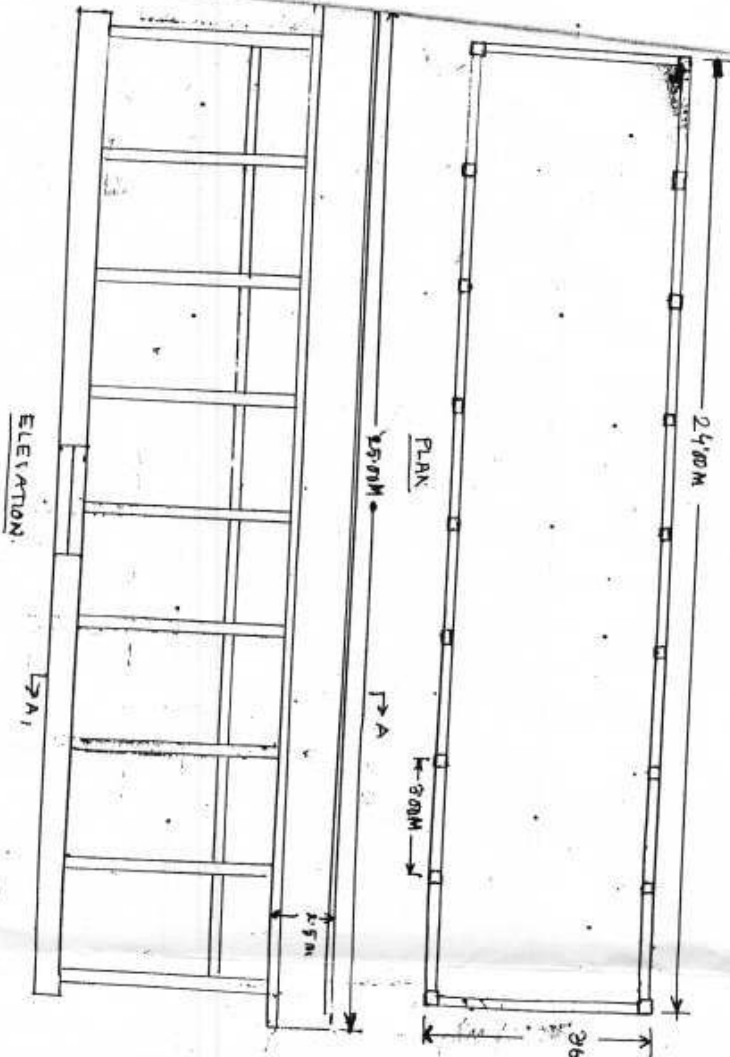
(Rupees Twenty Five Lakhs) Only

d/s

Executive Engineer
Sonitpur Zilla Parishad
Tezpur


Junior Engineer
Sonitpur Zilla Parishad
Tezpur

CONSTRUCTION OF MARKET SHED

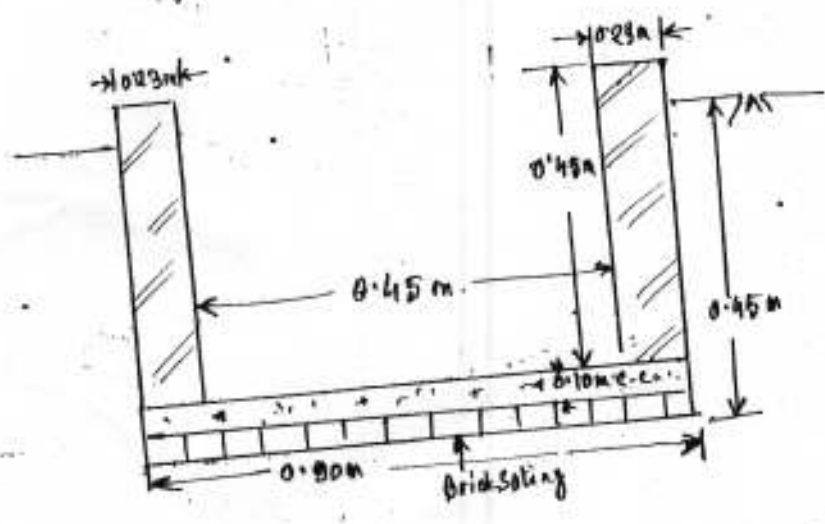



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Structural Engineer
Soniapur Zila Panshac
Tezpur

Structural Engineer
Soniapur Zila Panshac
Tezpur

INSTRUCTION OF DRAIN.




Junior Engineer
Sonitpur Zila Panchas
Tezpur