ESTIMATE FOR CONSTRUCTION
OF
MARKETING COMPLEX UNDER

TFC
FOR THE YEAR 2011-12

Name of Scheme :   **Construction of Marketing Complex**
(Model Estimate)

Name of DRDA :   NAGAON

Estimated Amount: Rs.25,00,000.00
(Rupees Twenty Five Lakhs) only

NAGAON ZILLA PARISHAD : NAGAON

State   : **ASSAM**
District   : **NAGAON**
DRDA   : **NAGAON**
Name of work   : **Construction of Marketing Complex**
                               (Model Estimate)

Estimate Amout   :   **Rs. 25,00,000.00**
Plinth Area   :

REPORT

This estimate amounting to Rs- **25,00,000.00..** (Rupees Twenty five Lakhs) Only has been framed to show the probable cost of **Construction of Marketing Complex (Model Estimate)** under TFC 2011-12.

The following provisions have been made in this estimate.

1. Plinth foundation: C.C work 10cm thick cement concrete in proportion 1:3:6

2. Plinth Wall: 25cm thick 1st class brick work (propn 1:5) upto P.L.

3. Post: ....25................... cm x...........25...............cm R.C.C.Post
With 6 Nos. 16 mm longitudinal Trapezoidalbase footing as per design.

4. Wall: Brick nogged wall 112.00 mm propn. 1:4

5. Roofing: RCC Slab with 10mmQ for Longitudinal & Vertical bars & Extra bars etc. as per design.

6. MS Shutters   Providing fitting & fixing in position Collapssible MS Shutters.

7. Doors/windows: 1st class local wood braced and battened doors and window as per design and drawing.

8. Ht. of plinth ....0.90... m.

9. Ht. of Bldg ....3.30………................................. m.

The estimate is prepared as per APWD schedule rates for .2010-11.(Building), and analysis rates on the prevailing market price as and where necessary .10% Contractors Profit is deducted from the estimated amount.In addition to normal provisions in the estimate 2 % contingency etc. are provided in the estimate.

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

                                                          EXECUTIVE ENGINEER.
                                                      NAGAON ZILLA PARISHAD

Accredited Engineer
Nagaon Zilla Parishad

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Cont......

Item No. 7/2.2.1:- Proving and laying RCC works in propn 1:2:4 including curring complete excluding cost of from work complete as directed.

i) Foundation.

Posts: $28 \times \dfrac{0.38 + 1.22}{2} \times \dfrac{0.38 + 1.22}{2} \times 0.25$ = 4.480 m3

		28 x	0.38 x	0.38 x	2.17 =	8.774 m3
Tie Beam =		4 x	17.69 x	0.38 x	0.25 =	6.722
=		6 x	10.42 x	0.38 x	0.25 =	5.939
					=	25.915 m3

@ 4734.15 /m3 .... Rs. **122687 /-**

In Superstructure,

Posts	=	28 x	0.30 x	0.30 x	3.30 =	8.316 m3
Shajah	=	1 x	56.22 x	0.60 x	0.12 =	4.048
Tie Beam	=	4 x	18.90 x	0.30 x	0.25 =	5.670
	=	6 x	11.62 x	0.30 x	0.25 =	5.229
Lintel	=	4 x	17.69 x	0.13 x	0.15 =	1.380
	=	6 x	10.42 x	0.13 x	0.15 =	1.219
Slab	=	1 x	18.90 x	11.62 x	0.12 =	26.354
					=	52.22 m3

@ 4875.71 /m3 .... Rs. **247198 /-**

Total Rs. **1234556 /-**

Item No.8/4.1.7 :- 112mm thick / 75mm thick 1st class brick nogged wall in mortar embeded with protruding Rod including racking out joints and curing complete as directed prop. 1:4/ 1:5/ 1:3.

L. Wall	=	4 x	17.69 x	3.60	=	254.74 m2
S.Wall	=	6 x	10.42 x	3.60	=	225.07
L/Urinal	=	2 x	2.44 x	3.60	=	17.568
		1 x	1.22 x	3.60	=	4.392
Ded.				Total	=	501.77 m2
Door	=	10 x	2.10 x	2.40	=	50.4
		3 x	2.1 x	0.9	=	5.67
Window	=	20 x	0.90 x	0.60	=	10.8
					=	434.898 m2

@ 518.62 /m2 .... Rs. **225547 /-**

Item No.9/9.1.2:- Providing wood work in frame as of door window C.W. Woought framed and fixed in position in contact C.C. or Brick wall as directed adb specified.

a) Salwood/

Door	=	10 x	2 x	2.10 x	0.08 x	0.13 =	0.437 m3
	=	10 x	2 x	2.40 x	0.08 x	0.13 =	0.499
Door	=	3 x	2 x	2.1 x	0.08 x	0.1 =	0.1008
		3 x	1 x	1.2 x	0.08 x	0.1 =	0.0288
Window	=	20 x	2 x	0.90 x	0.08 x	0.13 =	0.374
	=	20 x	2 x	0.60 x	0.08 x	0.13 =	0.032
						=	1.4724 m3

@ 46853.38 /m3 .... Rs. **68989 /-**

Total Rs. **1529092 /-**

Item No. 10/3.1- Earth filling in Plinth by truck Carriage

1 x 17.69 x 10.42 x 0.90 = 165.8968 m3

= 165.90 m3

@ 291.56 /m3 Rs. **48369 /-**

Rs. **1577461 /-**

Item No.11/4.1.1:- Providing brick soling in foundation and floor at all level with best quality picked jhamma bricks, sand packed ans laid as directed.

a) Brick flat Soling.   b) Brick on edge Soling.

Floor	=	1 x	17.69 x	10.42		=	184.33 m2
					Total	=	184.33 m2

@   286.37 /m2   ....   Rs.   **52787 /-**

Item No.12/5.1.4 :- 65mm thick c.c. floor consisting of 50mm under layer of cement concrete 1:3:6 and 15 thick wearing layer in cement concrete 1:2:2 uring complete.

Floor	=	=	184.33 m2

@   449.48 /m2   ....   Rs.   **82853 /-**

Item No. 13/6.2.2:- 15mm thick cement plaster in single coat on rough side of single or half brick wall including curring complete as directed.   b) 1:4

		112mm thick B. wall	B/F	2 x	434.898 =		869.80 m2
Slab	=	1 x	18.90 x	11.62		=	219.62 m2
P/Wall	=	2 x	17.69 x	0.76		=	26.89
	=	2 x	10.42 x	0.76		=	15.84 m2
						=	1132.14

@   110.21 /m2   ....   Rs.   **124773 /-**

Item No.14/10.2 / Providing fitting and fixing M.S grill of required pattern for windows/ cw with M.S. flat at required spacing in frame all round, square or roundor round MS barswith round headed bolts and nuts or screws.   =

Qntty	=	120.00 kg	
		132.00 kg	@ 80.69 /kg = **10651 /-**

Item No. 15/16.2/ Providing and fixing plain frosted glassof ordinary glazing quality beded in putty and fixed with wooden beading i/c necessary cutting of glass to required sizes.
ll/ Area of glass panes exceeding 0.15 sqm. But not exceeding 0.52sqm.
a/ 3.50mm thick.

Window	=	20 x	0.45 x	0.45 x	2 =	8.100 m2
	=				=	8.10 m2

@   477.54 /m2   Rs.   **3,868 /-**

Item No.16/18.4.1/ Providing and fixing in position Collapsible MS. Shutters with vertical channel 20mmx10mmx2mm bracedwith flat iron diagonals 20mmx5mm size with top and bottom rails of T-iron 40mmx40mmx6mm with 38mm dia. Steel pully's complete with bolts and nuts, locking arrangements, stoppers,handles i/c applying priming coat etc.

Qntty	=	2.40 x	2.10 x	10	=	50.40 m2
					=	50.40 m2

@   3538.80 /m2   ....   Rs.   **178356 /-**

Item No.17/9.9.4 Providing fitting and fixing Ist class local wood(Bonsum /Gamari) B/B Doors and Window Shutters Compllete as Directed.
b/ 25mm thick with 12mm thick batten.

Door =		3 x	2.10 x	0.90	=	5.67 m2
				Total	=	5.67 m2

@   1213.5 /m2   Rs.   **6881 /-**

Item No.15/13.6.3 Applying Priming coat over new wood based surface.

Door	=	3 x	2.10 x	0.90 x	2 =	11.34 m2
Window	=	20 x	0.90 x	0.6 x	2 =	21.60
				T	=	32.94 m2

@   29.70 /m2   Rs.   **978 /-**

Item No. 16/13.6.5 Painting two coats(Excluding Priming coat) on new wood based surfaces with enamel paints of approved brand and manufacture (Asian ,Berger & Nerolac) to give an even shade i/n cleaning the surface of all dust & dirt and other foreign matter sand papering & stopping.

	B/F	32.94 x	1 =	32.94
			=	32.94 m2

@   54.82 /m2   **Rs.**   **1806 /-**

Item No.17/13.2.2 Distempering two coats with oil bound distemper of approved brandand manufacture and of required shade on new wall surface to give an even shade, over and including a priming coat with alkali resistant primer of approved brand after thoroughly brooming the surface free from morter droppings and other foreign matters. Etc.

	B/F	Qntty.	=	1132.141 m2
			=	1132.14 m2

@ 66.07 /m2   **Rs**   **74801** /-

Item No. 18/19.2 :- Providing plinth protection of with bricks flat laid in cement morters 1:4 and finished with 15mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish.

50.00 x 1.20   =   60.00 m2

@ 458.06 /m2   **Rs**   **27484** /-

Item No.19/19.5:- Providing drain with Brick work in cement morter in Prop.1:5 with half brick thick side walls and 100mm thick C.C.(1:3:6) base over one brick flat soling i/c 15mm thick cement plastering in Prop.1:3 finished with a floating coat of neat cement slurry as directed with necessary shuttering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of works etc.

ii) 300mm wide and average 250mm deep with bed slope 1 in 150 with initial depth of 100 mm.

Qntty = 50.00 Rm

@ 773.20 /Rm

				Rs	38660 /-
			T	Rs.	2181357 /-
Ded.	10% for price contractors	profit		Rs.	218136 /-
		Total		Rs.	1963221 /-
Add water Supply with motor fittings		8%		Rs.	163929 /-
Internal Electrification	9%			Rs.	176690 /-
Sanitary Installation	8%			Rs.	157058 /-
Add	2% for contingency			Rs.	39254 /-
		Grand total		Rs.	2500162 /-
		Say		Rs.	2500000 /-

(Rupees Twenty Lakhs) Only

Accredited Engineer
Nagoon Zilla Panshad

CROSS SECTION ON AA'

SECTION OF BEAM

SIZE= 25cm x 30cm

16 mm Q 6 Nos Bars

8mm Stirrups 15cm c/c

6mm stirrups @ 15cm c/c

Nos= 0.5 9cm Bars

RCC SLAB
RCC BEAM 25cmx30cm
RCC LINTEL
RCC BEAM 25cmx35cm

Shop · Shop · Shop · Shop · Shop

VERANDAH

Shop · Shop · Shop · Shop · Shop

2.44m · 3.05 · 3.05 · 3.05 · 3.05 · 3.05

4.60m · 1.82 · 4.60m

1.22m · 1.22m · 1.22m · 1.22m

Accredited Engineer
Nagaon Zila Parishad