

**Detailed estimate for the construction of Office Building of Conservator of Forests Wild  
Life (North) Circle at 1021 C.S. Plot No. 1012, S.J.D.A. Complex, Jalpaiguri.**

1. Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75 m as directed. the item includes necessary trimming the sides of trenches leveling and ramming the bottom, bailing out water as required complete.

- a) Depth of Excavation not exceeding 1500 mm  
b) Depth of excavation for additional depth beyond 1500 mm and upto 3000 mm but not requiring shoring.

(page no-1 ,item no-2)

pillar	26	1.95 MX	1.95 MX	1.95 MX	192.78675 cum
	8	1.5 MX	1.5 MX	1.5 MX	27 cum
beam	1	56.825 MX	0.45 MX	0.45 MX	11.5070625 cum
stair	1	2.4 MX	1.25 MX	0.45 MX	1.35 cum
					232.6438125 cum
	@		73.7704 /cum	Rs.	17162.23

2. Earth work in filling in foundation trenches or plinth with good earth in layers not exceeding 150 mm including watering and ramming etc layer by layer complete (Payment to be made on the basis of measurement of finished quantity of work)

- a) With earth obtained from encavation of foundation  
b) With earth obtained by fresh encavation (including cost of excavation upto 1800 mm. Depth) from land arranged by the Deptt. Within a lead of 100 m

1/5 th. Of the excavated earth-1/5x 21.18=4.24 cum.

(page no-3, item no-3)

1/5 of ex earth	0.2 x	232.6438 cum =			46.5287625 cum
	@ Rs.	47.5952 /cum		Rs.	2214.55

3. Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.

(page no-33,item no-1)

pillar	26	1.95 MX	1.95 MX		98.865 sqm.
	8	1.5 MX	1.5 MX		18 sqm.
beam	1	133.38 MX	0.45 MX		60.01875 sqm.
stair	1	2.4 MX	1.25 MX		3 sqm.
					161.88375 sqm.
floor	1	1.8 MX	2.7 MX		4.86 sqm.
	1	2.275 MX	2.7 MX		6.1425 sqm.
	1	4.2 MX	7.2 MX		30.24 sqm.
	1	18.05 MX	4.6 MX		83.03 sqm.
	1	3 MX	1.95 MX		5.85 sqm.
	1	3 MX	1.5 MX		4.5 sqm.
	1	3 MX	0.9 MX		2.7 sqm.
	1	4.2 MX	2.5 MX		10.5 sqm.
	1	4.2 MX	2.675 MX		11.235 sqm.
	2	5.3 MX	1.5 MX		15.9 sqm.
	1	1.8 MX	15.05 MX		27.09 sqm.
					202.0475 sqm.
					363.93125 sqm.
	@ Rs.		237.87 /sqm	Rs.	86568.32644

4. Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating same by thorough saturation with water ramming complete including the cost of supply of sand. (Payment to be made on measurement of finished quantity).

Do by fine sand.

(page no-5,item no-4)

	202.05 sqm.	x	0.45 m =	90.9225 cum
@ Rs.			493.84 /cum	Rs. 44901.17

5. Cement concrete with graded stone ballast (40 mm size) excluding shuttering.

In gound floor (with N.B. Variety stone metal)

i) 6:3:1 proportion

(page no-59,item no-10)

	379.73 sqm.	x	0.075 m=	28.480 cum
@ Rs.			3072.25 /cum	Rs. 87496.91194

6(a). Nominal Mix M-20 Cement Concrete with graded stone chips (20 mm size) excluding shuttering and reinforcement if any in ground floor.

a) Pakur / Chandil variety.

b) River bazree.

(page no-39,item no-7)

piller base	26	1.95 M X	1.95 M X	0.2 M =	19.773 cum
	8	1.5 M X	1.5 M X	0.2 M =	3.6 cum
G.beam	1	133.38 M X	0.4 M X	0.25 M =	13.3375 cum
piller cap	26	0.4 M X	0.5 M X	1.225 M =	6.370 cum
	8	0.4 M X	0.4 M X	0.725 M =	0.928 cum
piller hornce	26			0.4 cum	10.4 cum
	8			0.3 cum	2.4 cum
piller	26	0.25 M X	0.35 M X	4.2 M =	9.555 cum
	8	0.25 M X	0.25 M X	4.2 M =	2.100 cum
lintel	1	114.28 M X	0.125 M X	0.15 M =	2.143 cum
	1	19.1 M X	0.2 M X	0.2 M =	0.764 cum
sunshed	1	48.05 M X	0.075 M X	0.425 M =	1.532 cum
Tie beam	1	133.38 M X	0.25 M X	0.25 M =	8.3359375 cum
roof	1	26.4 M X	11.175 M X	0.11 M =	32.452 cum
	-1	3.5 M X	12.7 M X	0.11 M =	-4.890 cum
					108.8003875 cum.
@ Rs.			4522.55 /cum	Rs. 492055.1925	

7. Hire and labour charges for shuttering with centreing and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs beams columns. Linlels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)

(When the height of a particular floor is more than 4 m. the equivalent floor ht shall be taken as 4 m. and extra for works beyond the initial 4 m ht. Shall be allowed under 12(e) for every 4 m or part thereof).

a) 25 mm to 30 mm thick wooden shuttering as per (page no-61,item no-12a)

G.beam	1	133.4 M X	0.8 M =	106.72 sqm.
pillr cap	26	1.8 M X	1.225 M =	57.33 sqm.
	8	1.6 M X	0.725 M =	9.28 sqm.
pillr hornce	26		4 sqm. =	104 sqm.
	8		3 sqm. =	24 sqm.
				301.33 sqm.
	@	Rs.	162.42 /sqm	Rs. 48942.02

pillr	26	1.2 M X	4.2 M =	131.04 sqm.
	8	1 M X	4.2 M =	33.6 sqm.
lintel	1	114.28 M X	0.3 M =	34.2825 sqm.
	1	19.1 M X	0.4 M =	7.64 sqm.
sunshed	1	48.05 M X	0.5 M =	24.025 sqm.
Tie beam	1	133.38 M X	0.5 M =	66.6875 sqm.
roof	1	26.4 M X	11.175 M =	295.020 sqm.
	-1	3.5 M X	12.7 M =	-44.450 sqm.
				547.845 sqm.
	@	Rs.	257.57 /sqm	Rs. 141108.44

8. 25 mm. Thick damp proof course with cement concrete with stone chips (4:2:1) and admixture of water proofing compound as per manufacturer's specification over a coat of polymer based paint double chequered complete as directed cost of water proofing compound & ploymer based paint to be paid separately.

(page no-99,item no-12)

	1	133.38 M X	0.125 M =	16.671875 sqm.
	@	Rs.	245.44 /sqm	Rs. 4091.95

9. M.S. or W.I. ornamental grill of approved design joints continuously welded with M.S., W.I. flats and bars for windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.

(Add extra @ 1% for each addl. Floor upto 4<sup>th</sup> floor and @ 1.25% for each addl. Floor above 4<sup>th</sup> floor)

i) Grill werghing above 10 Kg./sq.m. and upto 16kg./sq.m

ii) Grill weighing above 16kg.sq.m. and above.

(page no-155,item no-10(a),(ii))

W	12	1.575 M X	1.05 M =	19.845 sqm.
W1	1	0.775 M X	1.05 M =	0.81375 sqm.
v	5	0.625 M X	0.475 M =	1.484375 sqm.
Ver. Covering grill	1	17.3 M X	1.35 M =	23.355 sqm.
Ver. Covering grill Gate	1	1.8 M X	2.1 M =	3.78 sqm.
		@ 18kg/sqm		49.278125 sqm.
				i.e 8.8700625 Qnt.
	@	Rs.	6238.77 /qntl.	Rs. 55338.28

10. Neat cement punning about 1.5 mm thick in wall dado, window, sills, floor, drain etc.

Note : Cement 0.152 cum per 100 sgm.

(page no- 323 item no- 8 )

@	Rs.	28.51 /sqm.	Rs.	150 sqm. 4276.50
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11. M.S. clamp for fixing door and window frame made of flat bent bar, end bifurcated, fixed in cement concrete with stone chips(4:2:1) fitted and fixed complete as per direction

Cost of cement concrete will be paid separately)

40 mm x 6 mm above 250 mm upto 350 mm length

(page no-189,item no-18a)

@	Rs.	34.3 /each	Rs.	112 nos. 3841.60
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12. Supplying Iron catch hook, including fitting an fixing complete.

(page no-197 ,item no-24b)

@	Rs.	69.45 /each	Rs.	54 nos. 3750.30
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13. Supplying Iron socket bolt, including fitting an fixing complete.

(page no-197 ,item no-25b)

@	Rs.	39.29 /each	Rs.	84 nos. 3300.36
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14. Supplying Iron Haps bolt, including fitting an fixing complete.

(page no-199 ,item no-27i(a))

@	Rs.	144.09 /each	Rs.	5 nos. 720.45
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15. Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.

i) 50 mm x 30 mm x 0.90 mm

ii) 50 mm x 37 mm x 1.5 mm

(page no-191,item no-20)

@	Rs.	48.52 /each	Rs.	96 nos. 4657.92
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16. Supplying 'Godrej' mortice lock with latch and keys 6 levers, including fitting an fixing complete.

(page no-203,item no-36 b)

@	Rs.	1407.04 /each	Rs.	1 nos. 1407.04
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17. Anodised aluminium decorative handle (hexagonal / fluted) of approved quality fitted and fixed complete

150 mm plate x 10 mm dia rod x 12 mm hexagonal fluted.

(page no-215,item no-66 i)

@	Rs.	90.85 /each	Rs.	92 nos. 8358.20
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18. Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary (ground floor)

.(page no-319, item no-2(i i))

- i) With 4:1 centent mortar  
a) 20 mm. Thick plaster

	1	193.05 M X	3.19 M =	615.8295 sqm.
less d/w & opening				
W	12	1.8 M X	1.35 M =	29.16 sqm.
W1	1	0.9 M X	1.35 M =	1.215 sqm.
v	5	0.75 M X	0.6 M =	2.25 sqm.
D	12	1.05 M X	2.1 M =	26.46 sqm.
D1	2	0.9 M X	2.1 M =	3.78 sqm.
D2	6	0.75 M X	2.1 M =	9.45 sqm.
Ver. Covering grill	1	17.3 M X	1.35 M =	23.355 sqm.
Ver. Covering grill Gate	1	1.8 M X	2.1 M =	3.78 sqm.
Stair	2	2.5 M X	2.1 M =	10.5 sqm.
				109.95 sqm.
				505.8795 sqm.
	@	Rs.	140.85 /sqm.	Rs. 71253.13

- b) 15 mm thick plaster

	1	78.55 M X	4.2 M =	329.91 sqm.
less d/w & opening				
W	12	1.8 M X	1.35 M =	29.16 sqm.
W1	1	0.9 M X	1.35 M =	1.215 sqm.
v	5	0.75 M X	0.6 M =	2.25 sqm.
Ver. Covering grill	1	17.3 M X	1.35 M =	23.355 sqm.
Ver. Covering grill Gate	1	1.8 M X	2.1 M =	3.78 sqm.
				59.76 sqm.
				270.15 sqm.
	@	Rs.	119.03 /sqm.	Rs. 32155.95

- c) 10 mm thick plaster.

Roof	1	26.4 M X	11.175 M =	295.02 sqm.
	-1	3.5 M X	12.7 M =	-44.45 sqm.
Sunshed	1	48.05 M X	0.5 M =	24.025 sqm.
				274.595 sqm.
	@	Rs.	92.92 /sqm.	Rs. 25515.3674

19. Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction.

- a) For works in foundation, basement and upto roof of ground floor/upto 4m.

- i) Tor steel/Mild steel (TATA Tiscon)

(page no-65,item no-15(i))

	0.8 %	108.8004 cum.	7.85 M.T	6.832664335 M.T
	@	Rs.	55954.4 /M.T.	Rs. 382317.63

20. Brick work with 1<sup>st</sup> class bricks in cement mortar (6:1)

a) In foundation and plinth.

(page no-69,item no-20)

In foundation and plinth.

1	133.38 M X	0.9 M X	0.25 M =	30.009375 cum
@	Rs.	3967.6 /sqm.	Rs.	119065.1963

21. 125 mm. Thick brick work with 1<sup>st</sup> class bricks in cement mortar (4:1) in ground floor.

(page no-73,item no-29)

1	133.38 M X	2.79 M =		372.11625 sqm
less d/w & opening				
W	12	1.8 M X	1.35 M =	29.16 sqm.
W1	1	0.9 M X	1.35 M =	1.215 sqm.
v	5	0.75 M X	0.6 M =	2.25 sqm.
D	6	1.05 M X	2.1 M =	13.23 sqm.
D1	1	0.9 M X	2.1 M =	1.89 sqm.
D2	3	0.75 M X	2.1 M =	4.725 sqm.
Ver. Covering grill	1	17.3 M X	1.35 M =	23.355 sqm.
Ver. Covering grill Gate	1	1.8 M X	2.1 M =	3.78 sqm.
Stair	1	2.5 M X	2.1 M =	5.25 sqm.
				84.855 sqm
				287.26125 sqm
@	Rs.	520.79 /sqm.	Rs.	149602.7864

22. Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works using cement @ 1.75 kg./sq.m. all complete including all materials and labour

In ground floor

3 mm thick topping (High polishing grinding on this item is not permitted) with ordinary cement

25 mm. Thick.

(Add extra @ 1.5% for each addl. Floor upto and inclusive of 5<sup>th</sup> floor and @ 1.75% for each additional floor above 5<sup>th</sup> floor for item No. 1 and 3).

(page no-91,item no-3(ii))

1	1.8 MX	2.7 MX		4.86 sqm.
1	2.275 MX	2.7 MX		6.1425 sqm.
1	4.2 MX	7.2 MX		30.24 sqm.
1	18.05 MX	4.6 MX		83.03 sqm.
1	3 MX	1.95 MX		5.85 sqm.
1	3 MX	1.5 MX		4.5 sqm.
1	3 MX	0.9 MX		2.7 sqm.
1	4.2 MX	2.5 MX		10.5 sqm.
1	4.2 MX	2.675 MX		11.235 sqm.
2	5.3 MX	1.5 MX		15.9 sqm.
1	1.8 MX	15.05 MX		27.09 sqm.
				202.0475 sqm
@	Rs.	217.7 /sqm.	Rs.	43985.74

23. Priming one coat on timber, plastered or on steel or other metal surface with synthetic enamel/oil bound primer of approved quality including smoothening surfaces by sand papering etc.

(page no-343,item no-7(a))

				970 sqm
@	Rs.	28.38 /sqm.	Rs.	27528.60

24. Lime punning of 3mm th. Including smoothening surfaces by sand papering etc.

(page no-323 ,item no-9)

				850 sqm
@	Rs.	58.5 /sqm.	Rs.	49725.00

25. Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary

(page no-343,item no-8 )

With super gloss (hr-gloss) –

i) Two coats (with any shade except white)

				920 sqm
@	Rs.	62.62 /sqm.	Rs.	57610.40

On steel or other metal surface

With super gloss (hi-gloss)

i) Two coats (with any shade except white)

				50 sqm
@	Rs.	59.99 /sqm.	Rs.	2999.50

Total-	<b>Rs.</b>	<b>1971950.73</b>
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Rs. 1971950.73

Rs. 147896.3045

Rs. 147896.3045

Grand Total - **Rs. 2267743.34**

Say, **Rs. 2267743.00**

Add 7.5% sanitary & plumbing work


Add 7.5% electrification work

(Rupees Twenty two lacs sixty seven thousand seven hundred forty three only)

1. P.W.D. schedule of rate are drawn adopted for the year 2010-2011 of Jalpaiguri district.

**Sd/-**

Dulal Dutta (Civil Engineer)  
Licensed Engineer under  
Jalpaiguri Municipality & SJDA  
Licence No.-LBS/B-31  
Phone No.-03561255957  
Mobile No.-9832043165


<b>Conservator of Forests Wild Life (North) Circle</b>

**Only rate vetted**

**Sd/-**

Executive Engineer (P.W.D.)  
Jalpaiguri Division  
Jalpaiguri