



**OFFICE OF THE DIVISIONAL FOREST OFFICER, BERHAMPUR DIVISION  
AT-COURTPETA, BRAHMAPUR-760004**

**Phone/Fax- 0680-2281354, Mob- +91 7653908594,**

**[Email-dfo.berhampur@odisha.gov.in](mailto:dfo.berhampur@odisha.gov.in)**

**Bid Identification No. 215 /IF Dated 07.09.2023**

**TENDER FOR CONSTRUCTION OF BUILDINGS (FOREST GUARD QUARTERS)  
IN BERHAMPUR FOREST DIVISION**

The Divisional Forest Officer, Brahmapur Forest Division on behalf of Governor of Odisha invites percentage rate bid in OFF-LINE mode from eligible contractors with valid licenses for execution of Building & other work as detailed in DTCN

1.	Nature of Works	:-	<b>Construction of Buildings (Forest Guard Quarters)</b>
2.	No. of Work	:-	<b>4 Nos.</b>
3.	Tender Cost	:-	<b>Rs.6000/- (For Each One)</b>
4.	Class of Contractor	:-	<b>"C" and "D" Class Contractor</b>
5.	Availability of bid document in the Office	:-	<b>From Dt. 11.09.2023 10.00 A.M. to Dt. 25.09.2023 5.00 P.M.</b>
6.	Last date and time of submission of bids in tender box of office		<b>Dt. 26.09.2023 05.00 P.M.</b>
7.	Date of opening of Bid	:-	<b>Dt. 26.10.2022 at 11.00 AM</b>
8.	The bidders have to participate in OFF-LINE bidding only.		

  
**Divisional Forest Officer  
Brahmapur Division**



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Tender Call Notice No. 215 /1F-(ACCOUNTS)-51/23,

Dated, Brahmapur the 07<sup>th</sup> September, 2023

Divisional Forest Officer, Brahmapur Division invites offline in single cover from "C & D class" contractor registered with the State Governments and Contractor of equivalent Grade/Class registered with central Government/MES/Railways for execution of civil works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in Forest Department FORM-P-1 for the work "Construction of Forest Guard Quarters".

**Document Download:**

The tender document having detailed instructions and terms & conditions are available on the website [www.odishaforest.in/tenders/](http://www.odishaforest.in/tenders/) <https://ganjam.nic.in>.

**Detailed sheet for the tender is as under:**

Memo No 6542 dt. 07.09.2023 2023

Copy along with its enclosure submitted to the Deputy Director, Information & Public Relation Department (Adv), & Deputy Secretary to Government of Odisha, Bhubaneswar for information and necessary action. He is requested to publish in two Odia / English Daily News Papers (All editions).

  
Divisional Forest Officer  
Brahmapur Division

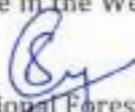
Memo No 6543 dt. 07.09.2023 2023

Copy along with its enclosure submitted to the Dy. Conservator of Forests, (Admin) Office of the Principal Chief Conservator of Forests, Wild Life & Chief Wild Life Warden Odisha, Bhubaneswar for favour of kind information and necessary action with reference to his memo no 13582 dt 06.07.2023.

  
Divisional Forest Officer  
Brahmapur Division

Memo No 6544 dt. 07.09.2023 2023

Copy along with its enclosure submitted to the Additional Principal Chief Conservator of Forests, (IT & GIS), Office of the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action. He is requested to upload the Tender Notice in the Website of PCCF, Odisha at an early date.

  
Divisional Forest Officer  
Brahmapur Division

Memo No 6545 dt. 07.09.2023 2023

Copy along with its enclosure submitted to the Regional Chief Conservator of Forests, Brahmapur Circle, Brahmapur for favour of kind information and necessary action.

  
Divisional Forest Officer  
Brahmapur Division

Memo No 6546 dt 07-09-2023 2023

Copy along with its enclosure forwarded to the District Information Officer, NIC, Collectorate, Ganjam Chatrapur for information and necessary action. He is requested to display the Tender Notice in the District Website.

  
Divisional Forest Officer  
Brahmapur Division

Memo No 6547 dt 07-09-2023 2023

Copy along with its enclosure forwarded to the All Forest Range Officers, Brahmapur Forest Division for information and necessary action. They are instructed to display the Tender Notice on their respective Range Office Notice Board.

  
Divisional Forest Officer  
Brahmapur Division



**FOREST ENVIRONMENT  
&  
CLIMATE CHANGE DEPARTMENT**

**NAME OF WORK** : Construction of Forest Guard Quarter at Biruligada  
and Compound Wall at FG.Quarter, Biruligada  
under Khallikote Forest Range.

**NAME OF THE SCHEME** : **CAMPA APO -2023-24**

**ESTIMATED COST FOREST GUARD QUARTER** : **Rs. 12, 04,000/-**

**ESTIMATED COST COMPOUND WALL** : **Rs. 4, 25,000/-**  
*Rs. 16, 29, 000/-*

**NAME OF THE DIVISION:** Divisional Forest Officer,  
Berhampur Division

**NAME OF THE RANGE :** Foest Range Officer, Khallikote  
Range, Khallikote



**FOREST ENVIRONMENT  
&  
CLIMATE CHANGE DEPARTMENT**

**NAME OF WORK** : Construction of Forest Guard Quarter at Biruligada  
Beat under Khallikote Forest Range.

**NAME OF THE SCHEME** : **CAMPA APO -2023-24**

**ESTIMATED COST** : **Rs. 12, 04,000/-**  
(Rupees Twelve Lakhs Four Thousand) Only

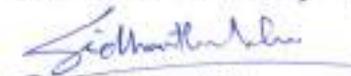
**NAME OF THE DIVISION:** Divisional Forest Officer,  
Berhampur Division

**NAME OF THE RANGE** : Foest Range Officer, Khallikote  
Range, Khallikote

<b>DETAILED ABSTRACT OF ESTIMATE</b>					
<b>Construction of Forest Guard Quater at Biruligada Beat</b>					
<b>Sl. No.</b>	<b>Description of Work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate in Rs</b>	<b>Amount in Rs</b>
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	49.582	cum	153.88	<b>7629.40</b>
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc complete.	41.635	cum	325.97	<b>13571.51</b>
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.	14.289	cum	4224.25	<b>60359.27</b>
4	R.C.C.work of M-20 grade with cement concrete proportion (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	23.563	cum	5007.32	<b>117985.14</b>
5	Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification	21.962	Qntl	7284.70	<b>159987.16</b>
6 (i)	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete (I)RCC foundation,plinth band,footings,base of columns mass concrete	65.652	sqm	107.82	<b>7078.70</b>
(ii)	Rigid smooth Centering & Shuttering RCC Lintel band	14.217	sqm	285.24	<b>4055.33</b>
(iii)	Rigid smooth Centering & Shuttering R.C.C floor and roof slab, landing, balconies, projecting sunshadesand chajjas	90.936	sqm	457.80	<b>41630.96</b>
(iv)	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	47.029	sqm	786.20	<b>36974.55</b>
7	2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work	64.048	sqm	315.52	<b>20208.49</b>
8	First class K.B brick masonry in C.M.(1:6) in foundation & plinth / superstructuer including cost, conveyance, and royalty of all materials complete.	36.45	cum	4256.43	<b>155146.13</b>
9	16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost,conveyance, royalty etc. complete.	268.76	sqm	214.04	<b>57527.36</b>
10	12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.	121.61	sqm	149.69	<b>18203.76</b>
11	Suppling, fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request	258.67	Kg	135.91	<b>35156.00</b>
12	Manufacturing, Supplying,fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc.complete	132.48	Kg	135.91	<b>18005.73</b>
13	Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.	0.1869	cum	53938.45	<b>10080.62</b>

14	32mm plasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks	7.984	sqm	1638.19	13079.10
15	Priming one coat with approved wood primer on new work of wood	8.6214	sqm	53.50	461.21
16	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows	22.53	sqm	53.28	1200.24
17	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	22.53	sqm	146.62	3303.29
18	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete	7.98	sqm	143.35	1144.50
19	supply, fixing, fixing up window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thin including glass as pannel fitted with rubber beading including locking arrangement including all fitting	8.5471	sqm	6077.36	51943.74
20	Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slury mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)with wall rise 0.25 ft with same material	44.017	sqm	1428.49	62877.92
21	Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete	18.623	sqm	1146.86	21358.38
22	Priming one coat with approved primer over the plastered wall surface	309.73	sqm	66.08	20466.65
23	Distemping two coats to walls with distemper of approved shade on new work to given an even shade	190.81	sqm	69.89	13336.26
24	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	113.83	sqm	53.35	6073.15
25	Add cost of PVC Door (Toilet) L.S	1		3500	3500.00
26	Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On L.S				30000.00
27	Add for fitting and fixing Toilet ( Latrin pan with exhaust ), Bath room fitting ,wash basin , kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on L.S				48000.00
<b>Total</b>					<b>1040344.55</b>
<b>Add GST -18%</b>					<b>187262.02</b>
<b>Total</b>					<b>1227606.57</b>
<b>or say Grand Total</b>					<b>1204000.00</b>

(Rupees Twelve Lakh Four Thousand) only

  
 Forest Range Officer  
 Khallikote Range

## Detailed item wise Estimate for Construction of Forest Guard Quater at Biruligada Beat of Khallikote Range

CIVIL WORKS OF THE BUILDING Ground Floor			Quantity of work volume/Area/Wt.					
Sl. No	Description of Item	No.	Length (in ft)	Breadth (in ft)	Height (in ft)	Quantity	Unit	Amount (in Rs.)

- 1 Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.

### Foundation Trench

Column	11	4.00	4.00	5.00	880.000 Cft
Long wall	3	25.50	2.00	3.00	459.000 Cft
	1	11.66	2.00	3.00	69.960 Cft
Cross wall	3	9.00	2.00	3.00	162.000 Cft
	4	6.00	2.00	3.00	144.000 Cft
	2	9.00	2.00	3.00	108.000 Cft
Step( Verandah)	1	10.00	4.00	1.00	40.000 Cft
Step( Office)	1	5.00	4.00	1.00	20.000 Cft
Deduction Column	-11	2.00	2.00	3.00	-132.000 Cft

Total  
or Say 1750.960 Cft  
49.582 Cum

@ Rs 153.88 /cum Rs 7629.40

- 2 Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.

### Foundation Trench

Column	11	4.00	4.00	0.50	88.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft
	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step( Verandah)	1	10.00	4.00	0.50	20.000 Cft
Step( Office)	1	5.00	4.00	0.50	10.000 Cft

### Plinth Filling

M.Bed Room	1	10.66	10.00	2.50	266.500 Cft
Drawing Room	1	8.33	10.00	2.50	208.250 Cft
Verandah	1	4.00	10.00	2.50	100.000 Cft
Kitchen Room	1	8.00	7.08	2.50	141.600 Cft
Dinning Room	1	8.92	7.08	2.50	157.884 Cft
Toilet	1	5.25	7.08	2.50	92.925 Cft
Office Room	1	10.00	10.00	2.50	250.000 Cft
Deductio Column	-11	2.00	2.00	0.50	-22.000 Cft

Total  
or Say 1470.319 Cft  
41.635 Cum

@ Rs 325.97 /cum Rs 13571.51

- 3 Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.

### Foundation Trench

Column	11	4.00	4.00	0.50	88.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft

	4	6.00	2.00	0.50	24.000 Cft		
	2	9.00	2.00	0.50	18.000 Cft		
Step ( Verandah)	1	10.00	4.00	0.33	13.200 Cft		
Step( Office)	1	5.00	4.00	0.33	6.600 Cft		
<b>Inside Room Flooring</b>							
M.Bed Room	1	10.66	10.00	0.50	53.300 Cft		
Drawing Room	1	8.33	10.00	0.50	41.650 Cft		
Verandah	1	4.00	10.00	0.50	20.000 Cft		
Kitchen Room	1	8.00	7.08	0.50	28.320 Cft		
Dinning Room	1	8.92	7.08	0.50	31.577 Cft		
Toilet	1	5.25	7.08	0.50	18.585 Cft		
Office Room	1	10.00	10.00	0.50	50.000 Cft		
Deductio Column	-11	0.83	0.83	0.50	-3.789 Cft		
				Total	504.603 Cft		
				or Say	14.289 Cum		
@	Rs		4,224.25	/cum		Rs	60359.27

4 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

i)Column base	11	3.50	3.50	0.83	111.843		
column footing		$\frac{1}{3}\{(0.83 \times 0.83) + (3.5 \times 3.5)\}$					
$V = \frac{1}{3}(A_1 + A_2 + \sqrt{A_1 \times A_2}) \times H$							
	11		(3.5X3.5)	1.00	58.090		
ii)Column	11	0.75	0.75	15.34	94.916		
<b>iii)Ground Beam</b>							
	3	25.50	0.83	0.83	52.701 Cft		
	1	11.66	0.83	0.83	8.033 Cft		
	3	9.00	0.83	0.83	18.600 Cft		
	4	6.00	0.83	0.83	16.534 Cft		
	2	9.00	0.83	0.83	12.400 Cft		
Deduction column	-11	0.75	0.75	0.83	-5.136 Cft		
<b>iv) Plinth Beam</b>							
	3	25.50	0.83	0.75	47.621 Cft		
	1	11.66	0.83	0.75	7.258 Cft		
	3	9.00	0.83	0.75	16.808 Cft		
	4	6.00	0.83	0.75	14.940 Cft		
	2	9.00	0.83	0.75	11.205 Cft		
Deduction column	-11	0.75	0.75	0.75	-4.641 Cft		
<b>v) Lintel Band</b>							
	3	25.50	0.75	0.50	28.688 Cft		
	1	11.66	0.75	0.50	4.373 Cft		
	3	9.00	0.75	0.50	10.125 Cft		
	4	6.00	0.75	0.50	9.000 Cft		
	2	9.00	0.75	0.50	6.750 Cft		
Deduction column	-11	0.75	0.75	0.50	-3.094 Cft		
<b>vii) Chajja</b>							
verandah	1	10.00	2.00	0.25	5.000 Cft		
window	3	6.00	1.50	0.25	6.750 Cft		
	4	5.00	1.50	0.25	7.500 Cft		
kitchen plate	1	8.00	1.50	0.25	3.000 Cft		
	1	7.00	1.50	0.25	2.625 Cft		
<b>Inside Room</b>							
Bed Room	1	10.66	1.50	0.25	3.998 Cft		
	1	10.00	1.50	0.25	3.750 Cft		
Dinning Room	1	8.92	1.50	0.25	3.345 Cft		
Kitchen Room	1	8.00	1.50	0.25	3.000 Cft		

vii)(a) Roof slab Building including carnis 4"	1	7.00	1.50	0.25	2.625 Cft		
(b) Roof slab office Room including carnis 4"	1	25.83	19.91	0.41	210.853 Cft		
c) Roof slab over Toilet (at Lintel level)	1	5.25	7.08	0.25	9.293 Cft		
				<b>Total</b>	<b>832.10 Cft</b>		
				or Say	<b>23.563 Cum</b>		
@	Rs		5,007.32 /cum			Rs	117985.14

5 Supplying , fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.

i)Column base & footin	4.81	cum @	1.00	Qntl/cum	4.812 Qntl		
ii)Column	2.688	cum @	1.20	Qntl/cum	3.225 Qntl		
iii)Ground Beam	2.920	cum @	1.00	Qntl/cum	2.920 Qntl		
iv) Plinth Beam	2.639	cum @	1.00	Qntl/cum	2.639 Qntl		
v) Lintel Band	1.581	cum @	1.00	Qntl/cum	1.581 Qntl		
vi)Roof Beam on wall & verandah	#REF!	cum @	1.20	Qntl/cum			
vii) Chajja	1.178	cum @	0.50	Qntl/cum	0.589 Qntl		
viii) Roof slab	7.744	cum @	0.80	Qntl/cum	6.196 Qntl		
				<b>Total</b>	<b>21.962 Qntl</b>		
@	Rs.		7,284.70 / Qntl			Rs	159987.16

6 Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete

(a)i) column base	11	14.00		0.83	127.820 sqft		
ii) Column Footing	11	8.66		1.00	95.260 sqft		
iii) Ground Beam	6	25.50		0.83	126.990 sqft		
	2	11.66		0.83	19.356 sqft		
	6	9.00		0.83	44.820 sqft		
	8	6.00		0.83	39.840 sqft		
	4	9.00		0.83	29.880 sqft		
Deduction column	-11	0.75		0.83	-6.848 sqft		
(iv) Plinth Beam	6	25.50		0.75	114.750 sqft		
	2	11.66		0.75	17.490 sqft		
	6	9.00		0.75	40.500 sqft		
	8	6.00		0.75	36.000 sqft		
	4	9.00		0.75	27.000 sqft		
Deduction column	-11	0.75		0.75	-6.188 sqft		
				<b>Total</b>	<b>706.671 sqft</b>		
				or Say	<b>65.652 Sqm</b>		
@	Rs		107.82 /Sqm			Rs	7078.70
(b) Lintel	6	25.50		0.50	76.500 sqft		
	2	11.66		0.50	11.660 sqft		
	6	9.00		0.50	27.000 sqft		
	8	6.00		0.50	24.000 sqft		
	4	9.00		0.50	18.000 sqft		
Deduction column	-11	0.75		0.50	-4.125 sqft		
				<b>Total</b>	<b>153.035 sqft</b>		
				or Say	<b>14.217 Sqm</b>		
@	Rs		285.24 /Sqm			Rs	4055.33
(c) Chajja , verandah	1	10.00	2.00		20.000 sqft		

window	3	6.00	1.50		27.000 sqft		
	4	5.00	1.50		30.000 sqft		
kitchen plate	1	8.00	1.50		12.000 sqft		
	1	7.00	1.50		10.500 sqft		
Inside Room					0.000 sqft		
Bed Room	1	9.00	1.50		13.500 sqft		
	1	1.50	1.50		2.250 sqft		
Dinning Room	1	11.66	1.50		17.490 sqft		
Kitchen Room	1	8.00	1.50		12.000 sqft		
	1	7.00	1.50		10.500 sqft		
vii)(a) Roof slab							
Building including							
carnis 4"	1	25.83	19.91		514.275 sqft		
(b) Roof slab office							
Room including carnis							
4"	1	11.16	11.66		130.126 sqft		
© Roof slab over							
Toilet (at Lintel level)	1	9.00	19.91		179.190 sqft		
					978.831 sqft		
					90.936 Sqm		
	@	Rs	457.80 /Sqm	Total or Say		Rs	41630.96
(d)(i) column	11	3.00		15.34 or Say	506.220 sqft		
					47.029 Sqm		
	@	Rs	786.20 /Sqm			Rs	36974.55

7 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work

Roof Slab Qtr	1	25.83	19.91		514.275 sqft		
Roof Slab Office	1	11.16	11.66		130.126 sqft		
Step( Verandah)	1	10.00	3.00		30.000 sqft		
Step( Office)	1	5.00	3.00		15.000 sqft		
					689.401 sqft		
					64.048 Sqm		
	@	Rs.	315.52 / Sqm	Total or Say		Rs	20208.49

8 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

(Below Plinth-3.33 ft ,Above Plinth-9ft excluding RCC structure like Plinth and lintel beam)

<b>Superstructure</b>					
Long wall	3	25.50	0.75	12.33	707.434 Cft
	1	11.66	0.75	12.33	107.826 Cft
Cross wall	3	9.00	0.75	12.33	249.683 Cft
	4	6.00	0.75	12.33	221.940 Cft
	2	9.00	0.75	12.33	166.455 Cft
Step( Verandah)	1	10.00	3.00	0.83	24.900 Cft
	1	10.00	2.00	0.83	16.600 Cft
	1	10.00	1.00	0.83	8.300 Cft
Step( Office)	1	5.00	3.00	0.83	12.450 Cft
	1	5.00	2.00	0.83	8.300 Cft
	1	5.00	1.00	0.83	4.150 Cft
<b>Deduction</b>					
Column	-11	0.75	0.75	12.33	-76.292 Cft
Doors (D)	-5	3.00	0.75	6.50	-73.125 Cft
Doors (D2)	-1	2.75	0.75	6.50	-13.406 Cft
Windows (W)	-4	4.00	0.75	4.00	-48.000 Cft
Windows (W2)	-2	3.00	0.75	4.00	-18.000 Cft

Ventilator (Toilet)	-1	2.00	0.75	2.00	-3.000 Cft
Ventilators (Rooms)	-8	1.50	0.75	1.00	-9.000 Cft
				<u>Total</u>	<u>1287.214 Cft</u>
				or Say	36.450 Cum
	@ Rs.	4,256.43		/ Cum	Rs. 155146.13

9 16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost, conveyance, royalty etc. complete.

<u>Inside plaster area</u>					
M. Bed Room	2	10.66		13.58	289.526 sqft
	2	10.00		13.58	271.600 sqft
Verandah	2	4.00		13.58	108.640 sqft
	1	10.00		13.58	135.800 sqft
Dining Hall	2	8.92		13.58	242.267 sqft
	2	7.08		13.58	192.293 sqft
Toilet	2	7.08		13.58	192.293 sqft
	2	5.25		13.58	142.590 sqft
Drawing Room	2	10.00		13.58	271.600 sqft
	2	8.33		13.58	226.243 sqft
Kitchen Room	2	8.00		13.58	217.280 sqft
	2	7.08		13.58	192.293 sqft
Office Room	2	10.00		13.58	271.600 sqft
	2	10.00		13.58	271.600 sqft
Step( Verandah)	2	10.00	1.25		24.900 sqft
	1	10.00		2.49	24.900 sqft
Step( Office)	2	5.00	1.25		12.450 sqft
	1	5.00		2.49	12.450 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-4	4.00		4.00	-64.000 Sqft
Windows (W2)	-2	3.00		4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>2892.949 Sqft</u>
				or Say	268.764 Sqm
	@ Rs.	214.04		/ Sqm	Rs. 57527.36

10 12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.

<u>Outside plaster area</u>					
	2	25.50		13.58	692.580 sqft
	2	30.33		13.58	823.763 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-4	4.00		4.00	-64.000 Sqft
Windows (W2)	-2	3.00		4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>1308.968 sqft</u>
				or Say	121.607 Sqm
	@ Rs.	149.69		/ Sqm	Rs. 18203.76

11 Suppling, fitting and fixing of MS Grill made out of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all materials, labour, T&P etc Complete with all request

M.S Gril (Verandah Gril)	1	9.00	6.50		58.500 sqft
Window Grill	4	4.00	4.00		64.000 sqft
	2	3.00	4.00		24.000 sqft
Ventilator Grill	1	2.00	2.00		4.000 sqft
				<u>Total</u>	<u>150.500 sqft</u>

Weight		18.50 Kg/sqm		or Say	13.982 Sqm	
	@ Rs.	135.91	/kg	Total	258,666 Kg	Rs 35156.00
12 Manufacturing, Supplying, fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc. complete						
Window Grill		4	4.00	4.00	64.000 sqft	
		2	3.00	4.00	24.000 sqft	
Ventilator Grill		1	2.00	2.00	4.000 sqft	
				Total	92.000 sqft	
				or Say	8.547 Sqm	
Weight		15.50 Kg/sqm		Total	132.480 Kg	Rs 18005.73
	@ Rs.	135.91	/kg			
13 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.						
Doors Chaukath		5	16.00	0.33	0.25	6.60 cft
				Total		6.60 cft
				or Say		0.187 Cum
	@ Rs	53,938.45	/Cum			Rs 10080.62
14 32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks						
Doors		5	6.25	2.75		85.94 sqft
				Total		85.94 sqft
				or Say		7.984 Sqm
	@ Rs	1,638.19	/sqm			Rs 13079.10
15 Priming one coat with approved wood primer on new work of wood						
Doors Chaukath		5	16.00	1.16		92.80 sqft
				Total		92.8 sqft
				or Say		8.621 Sqm
	@ Rs	53.50	/sqm			Rs 461.21
16 Priming (Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows						
same as Item No-11 & 12					22.53 sqm	
	@ Rs	53.28	/sqm			Rs 1200.24
17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows						
same as Item No-11 & 12					22.53 sqm	
	@ Rs	146.62	/sqm			Rs 3303.29
18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete						
same as Item No- 14					7.98 sqm	
	@ Rs	143.35	/sqm			Rs 1144.50
19 Supply, fitting, fixing up Window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thin including glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes, labour etc. completed.						
Window Grill		4	4.00	4.00	64.000 sqft	
		2	3.00	4.00	24.000 sqft	
Ventilator Grill		1	2.00	2.00	4.000 sqft	
				Total	92.000 sqft	
				or Say	8.547 Sqm	

@ Rs. 6,077.36 /sqm

Rs 51943.74

- 20 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)with wall rise 0.25 ft with same material

M.Bed Room	1	10.91	10.25	111.828	sqft
Drawing Room	1	8.58	10.25	87.945	sqft
Verandah	1	4.25	10.25	43.563	sqft
Kitchen Room	1	8.25	7.33	60.473	sqft
Dinning Room	1	9.17	7.08	64.924	sqft
Office Room	1	10.25	10.25	105.063	sqft
				<u>473.794</u>	sqft
				44.017	Sqm
					Rs
	@ Rs.	1,428.49	/sqm		
					Rs

or Say

62877.92

- 21 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete.

Toilet	2	7.08	6.00	84.960	sqft
	2	5.25	6.00	63.000	sqft
Deduction					
Kitchen	1	8.00	3.50	28.000	sqft
	1	7.00	3.50	24.500	sqft
				<u>200.460</u>	sqft
				18.623	Sqm
					Rs
	@ Rs.	1,146.86	/sqm		
					Rs

or Say

21358.38

- 22 Priming one coat with approved primer over the plastered wall surface

Outside plaster area

	2	25.50	12.47	635.970	sqft
	2	30.33	12.47	756.430	sqft

Inner Plastering area

M.Bed Room	2	10.66	9.50	202.540	sqft
	2	10.00	9.50	190.000	sqft
Verandah	2	4.00	9.50	76.000	sqft
	1	10.00	9.50	95.000	sqft
Dining Hall	2	8.92	9.50	169.480	sqft
	2	7.08	9.50	134.520	sqft
Toilet	2	7.08	4.00	56.640	sqft
	2	5.25	4.00	42.000	sqft
Drawing Room	2	10.00	9.50	190.000	sqft
	2	8.33	9.50	158.270	sqft
Kitchen Room	2	8.00	9.50	152.000	sqft
	2	7.08	9.50	134.520	sqft
Office Room	2	10.00	9.50	190.000	sqft
	2	10.00	9.50	190.000	sqft

Roof ceiling

Bed Room	1	10.66	10.00		
Verandah	1	4.00	10.00	40.000	sqft
Dining Hall	1	8.92	7.08	63.154	sqft
Toilet	1	7.08	5.25	37.170	sqft
Drawing Room	1	10.00	8.33	83.300	sqft
Kitchen Room	1	8.00	7.08	56.640	sqft
Office Room	1	10.00	9.50	95.000	sqft
Deduction both outer & inner					
Doors (D)	-10	3.00	6.50	-195.000	Sqft
Doors (D2)	-2	2.75	6.50	-35.750	Sqft

Windows (W)	-8	4.00	4.00	-128.000 Sqft
Windows (W2)	-4	3.00	4.00	-48.000 Sqft
Ventilator (Toilet)	-2	2.00	2.00	-8.000 Sqft
				<u>3333.884 Sqft</u>
			or Say	309.728 Sqm
	@ Rs.	66.08	/sqm	Rs 20466.65

23 Distemping two coats to walls with distemper of approved shade on new work to given an even shade

M.Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft
<u>Roof ceiling</u>				
Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft
<u>Deduction</u>				
Doors (D)	-5	3.00	6.50	-97.500 Sqft
Doors (D2)	-1	2.75	6.50	-17.875 Sqft
Windows (W)	-4	4.00	4.00	-64.000 Sqft
Windows (W2)	-2	3.00	4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft
			Total	<u>2053.86 sqft</u>
			or Say	190.810 Sqm
	@ Rs.	69.89	/sqm	Rs 13336.26

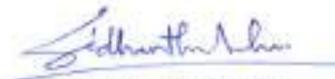
24 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

Outside plaster area

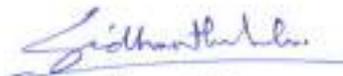
	2	25.50	12.83	654.330 sqft
	2	30.33	12.83	778.268 sqft
<u>Deduction</u>				
Doors (D)	-5	3.00	6.50	-97.500 Sqft
Doors (D2)	-1	2.75	6.50	-17.875 Sqft
Windows (W)	-4	4.00	4.00	-64.000 Sqft
Windows (W2)	-2	3.00	4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft
				<u>1225.223 sqft</u>
			or Say	113.827 Sqm
	@ Rs.	53.35	/sqm	Rs 6073.15

25 Add cost of PVC Door (Toilet) on L.S	1 no	3500 L.S	Rs	3500.00
26 Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On L.S		L.S		30000.00
27 Add for fitting and fixing Toilet ( Latrin pan with exhust ), Bath room fitting ,wash basin , kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on L.S		L.S	Rs	48000.00
		<b>Total</b>		<u>1040344.55</u>
28 Add GST -18%				<u>187262.02</u>
		Grand Total	Rs	<u>1227606.57</u>
		Limited to	Rs	<u>1204000.00</u>

**(Rupees Twelve Lakh Four Thousand) only**

  
**Forest Range Officer**  
**Khallikote Range**

**Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.**

  
**Forest Range Officer**  
**Khallikote Range**

## Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing, breaking clods and laying in layer and leveling bed etc complete				
	<b>As per A/R, item-2(a),page-1</b>				
	Mulla	32 nos @	Rs	345.00	11040.00
	Total				11040.00
	Add 20% extra towards excavation of foundation				2208.00
					13248.00
	Add 15% for O.H Charges and Contractors profit				1987.20
	<b>Total</b>			Rs	15235.20 / 100 Cum
				Rs	152.35 /cum
	Labour Cess 1%			Rs	1.52
	<b>Total</b>			Rs	153.88 /cum
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	<b>As per A/R, item-15,page-8</b>				
	Data for 100 cum				
	Sand	100.00 Cum@	Rs	53.33	5333.00
	Mulla	12.36 nos @	Rs	345.00	4264.20
	Total				9597.20
	Carriage & royalty of sand	100.00 Cum@	Rs	184.67	18467.00
				Rs	28064.20 /100 cum
	Add 15% for O.H Charges and Contractors profit			Rs	4209.63
	<b>Total</b>			Rs	32273.83 /100 cum
					322.74 /cum
	Labour Cess 1%			Rs	3.23
	<b>Total</b>			Rs	325.97 /cum
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.				
	<b>As per A/R, item-4,page-43</b>				
	HG metal 40m size	0.96 Cum@	Rs	752.38	722.28
	Sand	0.48 Cum@	Rs	56.19	26.97
	Cement	1.72 Qntl@	Rs	630.00	1083.60
	Mason 2nd Class	0.18 nos @	Rs	435.00	78.30
	Mulla	3.9 nos @	Rs	345.00	1345.50
	Total				3256.66
	Carrage & Royalty of metal	0.96 Cum@	Rs	279.67	268.48
	Carrage & Royalty of sand	0.48 Cum@	Rs	184.67	88.64
	Carrige of cement	1.72 Qntl@	Rs	16.17	27.81
	<b>Total</b>				3641.59
	Add 15% for O.H Charges and Contractors profit			Rs	546.24
	Labour Cess 1%			Rs	36.42
	<b>Total</b>		per cum	Rs	4224.25 /cum
4	R.R.H.G. Stone masonry in cement mortar (1:6) in foundation & plinth including cost, conveyance, and royalty of all materials complete.				
	<b>As per A/R, Item-3, page-75</b>				
	Rough Stone grinte	1.00 Cum@	Rs	129.92	129.92

Sand	0.34 Cum@ Rs	56.19	19.10
Cement	0.8151 Qntl@ Rs	630.00	513.51
Mason 1st class	0.35 nos @ Rs	495.00	173.25
Mason 2nd class	1.41 nos @ Rs	435.00	613.35
Mulia	3.17 nos @ Rs	345.00	1093.65
Total			2542.79
Carriage & royalty of stone	1.00 Cum@ Rs	279.67	279.67
Carriage & royalty of sand	0.34 Cum@ Rs	184.67	62.79
Carriage of cement	0.8151 Qntl@ Rs	16.17	13.18
Total	/ cum	Rs	2898.43 / cum
Add 15% for O.H Charges and Contractors profit		Rs	434.76
Labour Cess 1%		Rs	28.98
<b>Rate per one Cum</b>		Rs	<b>3362.17 / cum</b>

- 5 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

As per A/R, item-3, page-71

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	3.404	1361.70
sand	0.28 Cum@ Rs	56.19	15.73
Cement	0.672 Qntl@ Rs	630.00	423.36
mason 1st class	0.35 nos @ Rs	495.00	173.25
mason 2nd class	1.05 nos @ Rs	435.00	456.75
Mulia	2.96 nos @ Rs	345.00	1021.20
Total per one cum			3452.00
Carriage & royalty of sand	0.28 Cum@ Rs	184.67	51.71
Carriage of Cement	0.672 Qntl@ Rs	16.17	10.87
Carriage of bricks	400 nos (1 cum)@ Rs	0.38691	154.76
Total		Rs	3669.34
Add 15% for O.H Charges and Contractors profit		Rs	550.40
Labour Cess 1%		Rs	36.69

**For foundation, Plinth & Superstructure**

Rs **4256.43 / cum**

- 6 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

As per A/R, item-4, page-50

Data for 15 Cum

**Material**

HG chips 20 mm size	8.10 Cum@ Rs	1092.38	8848.28
HG chips 10mm size	5.40 Cum@ Rs	1194.29	6449.17
Sand	6.75 Cum@ Rs	56.19	379.28
Cement	52.10 Qntl@ Rs	630.00	32823.00

**Labour**

Mate	0.86 nos @ Rs	385.00	331.10
Mason 2nd class	1.5 nos @ Rs	435.00	652.50
Man mulia	20 nos @ Rs	345.00	6900.00

**Machinery**

Concrete mixture	6 hour	177.00	1062.00
Generator 33 KVA	6 hour	240.00	1440.00
			58885.33

**Conveyance & royalty**

20 mm size chips	8.1 Cum@ Rs	279.67	2265.33
10 mm size chips	5.4 Cum@ Rs	279.67	1510.22
Sand	6.75 Cum@ Rs	184.67	1246.52
cement	52.1 Qntl@ Rs	16.17	842.46
Total	per 15 cum	Rs	64749.85
	Per 1 cum	Rs	4316.66 / cum

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 647.50  
Rs 43.17  
Rs **5007.32 /cum**

**Rate for Ground Floor**

7 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

As per A/R, item-9, page-52

Data for 1.0 MT

**A) Material cost**

HYSD bar including 5% overlap and wastage	1.05	MT	64500.00	67725.00
Binding wire	8.00	Kg	67.23	537.84

**B) Labour**

Mate	0.44	nos @ Rs	385.00	169.40
Black smith Spl	3	nos @ Rs	495.00	1485.00
Mulia	8	nos @ Rs	345.00	2760.00
carriage of Steel	1.05	MT @Rs	161.72	169.81
<b>Total</b>				<b>72847.05 / MT</b>

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 10927.06  
Rs 728.47  
Rs **84502.57 / MT**

**Total**

**Rate for Ground floor**

Rs **7284.70 /Qntl**

8 Rigid smooth centering & shuttering for RCC works including false work and dismantling then after casting including cost of all materials

As per A/R, item-10, page-53

(i) For RCC foundation, plinth band, footings, base of columns mass concrete

25 mm thick non-sal planks 10.66 sqm for 0.267 cum	0.267	cum @ Rs	17261.41	4608.80
Non - sal bullah 80 mm dia. for suttering	12.60	m @ Rs	43.15	543.69
Convey of wood	0.3284	cum @ Rs	129.37	42.49
<b>Total</b>				<b>5194.97</b>

Considering the materials to be  
used for 10 times

For once use				519.50
Carpenter( 2nd class)	0.50	nos @ Rs	435.00	217.50
SS Mulia	0.50	nos @ Rs	385.00	192.50
<b>Total</b>				<b>929.50</b>
For 10 Sqm				92.95
For one Sqm				9.295

**Total**

Rs 92.95 sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 13.94  
Rs 0.93

**Ground floor Rate per one  
sqm**

Rs **107.82 sqm**

(ii) For RCC Lintel band Details for 7.8 sqm.

38 mm thick non-sal planks 10.87 sqm for 0.413 cum	0.413	cum @ Rs	17261.41	7128.96
120 mm dia Non-Sal bullah	21.00	mt @ Rs	67.22	1411.62
Carriage of wood	0.689	cum @ Rs	129.37	89.14
<b>Total</b>				<b>8629.72</b>

Considering the materials to be  
used for 10 times

For once use	8629.72	/10		862.97
Carpenter 2nd class	1.25	nos @ Rs	435.00	543.75
SS Mulia	1.25	nos @ Rs	385.00	481.25
Cost of nails				30.00
<b>Total</b>				<b>1917.97</b>

Total for 7.80 sqm				1917.97
Total				245.89 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	36.88
Labour Cess 1%			Rs	2.46 /sqm

**Ground floor Rate per one sqm**

Rs	285.24 /sqm
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**(iii) For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas upto**

Non-sal Wood scanting	0.112	cum @ Rs	17261.41	1933.28
Plank 38 mm	0.34	cum @ Rs	17261.41	5868.88
120 mm dia -Sal bullah	56.00	m @ Rs	89.63	5019.28
Carriage of wood	1.142	cum @ Rs	129.37	147.74
				<u>12969.18</u>

Considering the materials to be used for 10 times

For once use	12969.18	/10		1296.92
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75
Total				<u>3551.92</u>

Total / 9 sqm				394.66
				394.66 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	59.20
Rs	3.95

**Ground floor Rate per one sqm**

Rs	457.80 /sqm
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**(iv) For RCC beams, Column, grider and bressmer, etc. Data for 4.20 sqm.**

38 mm thick non-sal planks				
5.73 sqm for 0.218 cum	0.218	cum @ Rs	17261.41	3762.99
120 mm dia Sal bullah	15.20	m @ Rs	89.63	1362.38
80 mm dia non-sal bullah for brassing	8.00	m @ Rs	53.94	431.52
Carriage of wood	0.456	cum @ Rs	129.37	58.99
				<u>5615.88</u>

Considering the materials to be used for 10 times

For once use	5615.88	/10		561.59
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25

SS Mulia	2.75	nos @ Rs	385.00	1058.75
Cost of nails L.S				30.00

Total / 4.2 sqm			Total	2846.59
Total / sqm				677.76
				677.76 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	101.66
Rs	6.78

**Ground floor Rate per one sqm**

Rs	786.20 /sqm
----	-------------

C.C.(1:2:4) with 12 mm hard broken granite chips for CC works including cost, conveyance and

9 royalty of all materials complete.

**As per A/R, item-7, page-44**

HG chips 12 mm size	0.9	cum @	Rs	1128.57	1015.71
Sand	0.45	cum @	Rs	56.19	25.29
Cement	3.23	qntl @ Rs		690.48	2230.25
Mason 2nd class	0.68	nos @Rs		435.00	295.80
Man Mulia	4.6	nos @Rs		345.00	1587.00
Total			Rs	3489.28	
Carriage & royalty of chips	0.9	cum @	Rs	279.67	251.70
Carriage & royalty of sand	0.45	cum @	Rs	184.67	83.10
Carriage of cement	4.29	qntl @ Rs		16.17	69.37

Total	per cum	Rs	3788.32 / cum
Add 15% for O.H Charges and Contractors profit		Rs	568.25
Labour Cess 1%		Rs	37.88
<b>Ground floor Rate per one cum</b>		Rs	<b>4394.45 /cum</b>

- 10 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work

HG chips 4.7 mm size	0.0169 Cum@ Rs	690.48	11.67
Sand	0.0169 Cum@ Rs	43.15	0.73
Cement	0.1208 Qntl@ Rs	630.00	76.10
Mason 1stclass	0.10 nos @ Rs	495.00	49.50
Mulla	0.36 nos @ Rs	345.00	124.20
Total			262.202347
Carriage & royalty of chips	0.0169 Cum@ Rs	279.67	4.73
Carriage & royalty of sand	0.0169 Cum@ Rs	184.67	3.12
Carriage of cement	0.1208 Qntl@ Rs	16.17	1.95
Rate for Ground floor		Total	Rs 272.00 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	40.80
Labour Cess 1%		Rs	2.72
<b>Ground floor Rate per one sqm</b>		Rs	<b>315.52 /sqm</b>

- 11 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.

As per A/R, item-4, page-103

Sand	0.015 Cum@ Rs	56.19	0.84
Cement	0.0358 Qntl@ Rs	630.00	22.55
Mason 2nd class	0.14 nos @ Rs	435.00	60.90
Mulla	0.12 nos @ Rs	345.00	41.40
Total			125.70
Carriage & royalty of sand	0.015 Cum@ Rs	184.67	2.77
Carriage of cement	0.0358 Qntl@ Rs	16.17	0.58
			129.05
		Total	Rs 129.05 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	19.36
Labour Cess 1%		Rs	1.29
<b>Ground floor Rate per one sqm</b>		Rs	<b>149.69 /sqm</b>

- 12 16 mm thick cement plastering (1:6) over brick or stone wall including cost, conveyance, royalty etc. complete.

As per A/R, item-14, page-105

Sand	0.018 Cum@ Rs	56.19	1.01
Cement	0.043 Qntl@ Rs	630.00	27.09
Mason 2nd class	0.16 nos @ Rs	435.00	69.60
Mulla	0.24 nos @ Rs	345.00	82.80
Total		Rs	180.50
Carriage & royalty of sand	0.018 Cum@ Rs	184.67	3.32
Carriage of cement	0.043 Qntl@ Rs	16.17	0.70
		Total	Rs 184.52
		Total	Rs 184.52 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	27.68
Labour Cess 1%		Rs	1.85

**Ground floor Rate per one sqm**

Rs 214.04 /sqm

- 13 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

As per A/R, item- 4, page- 225

For 1 qntl.

Data for 0.508 qntl.

**Labour**

Black Smith(Special)	0.75 nos @ Rs	495.00	371.25
Black Smith(Second class)	1.00 nos @ Rs	435.00	435.00
Fitter(Special)	1.00 nos @ Rs	495.00	495.50
Fitter(Second class)	1.00 nos @ Rs	435.00	435.44
Helper to Blacksmith	1.00 nos @ Rs	385.00	385.39
Man mulia	3.25 nos @ Rs	345.00	1121.25

Total Rs 3243.82

Rs 3243.82

Rate per qntl.(M.S Angle/ sheet)

Rs 6385.46 /qntl

Rate per Kg.(Labour)

Rs 63.85 /Kg.

Cost of M.S Angle/ sheet( with Transportation ,Loading & unloading)

Rs 53.31 /Kg.

Total

Rs 117.17 /Kg.

Add 15% for O.H Charges and

Contractors profit

Rs 17.57

Labour Cess 1%

Rs 1.17

**Ground floorRate per Kg**

Rs 135.91 /Kg

- 14 Distemping two coats to walls with distemper of approved shade on new work to given an even shade including cost of distemper

As per A/R, item-22, page- 99

Data for 10 sqm

cost of Distemper	2.5 Kg @Rs	52.49	131.23
Painter (special)	0.52 nos @ Rs	495.00	257.40
Mulia	0.62 nos @ Rs	345.00	213.90
Total		Total	Rs 602.53

Per one sqm

602.53 /10sqm

60.25 /sqm

Rs 60.25 / sqm

Rate per one sqm

Add 15% for O.H Charges and

Contractors profit

Rs 9.04

Labour Cess 1%

Rs 0.60

**Ground floor Rate per one sqm**

Rs 69.89 /sqm

- 15 Priming one coat with approved primer on new work of wood Data for 9.30 sqm

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
Sundries, brushes, soap & puttles 2%			0.00

420.00

Cost Primer

0.075 Ltr @ Rs

118.52

8.89

Total

Rs 428.89 /sqm

Rate per one sqm

Rs 46.12 /sqm

Add 15% for O.H Charges and

Contractors profit

Rs 6.92

Labour Cess 1%

Rs 0.46

**Ground floor Rate per one sqm**

Rs 53.50 /sqm

16 Priming( Red oxide) one coat with approved primer on new work Data for 9.30 sqm

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulla	0.5 nos @ Rs	345.00	172.50
			<u>420.00</u>
Cost Red oxide	0.070 Ltr @ Rs	102.09	7.12
	Rate/9.30 sqm.	Rs	427.12
	Rate per one sqm	Rs	45.93 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	6.89
Labour Cess 1%		Rs	0.46
<b>Ground floor Rate per one sqm</b>		<b>Rs</b>	<b>53.28 /sqm</b>

17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of iron Data for 9.30 sqm.

As per A/R, item-3 ,page-93

Painter special	1.25 nos @ Rs	495.00	618.75
Mulla	1.1 nos @ Rs	345.00	379.50
	Say		<u>998.25</u>
	For one sqm		<u>107.34</u>
<u>Cost of Material for 10 sqm</u>			
Enamel paint for two coats	1.25 Ltr @ Rs	152.49	190.61
	Total/sqm	Rs	<u>19.06</u>
Rate per one sqm(( Meterial + Labour)	Total/ Sqm	Rs	126.40 / sqm
	Total		126.40 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	18.96
Labour Cess 1%		Rs	1.26
<b>Ground floor Rate per one sqm</b>		<b>Rs</b>	<b>146.62 /sqm</b>

18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows Data for 9.30 sqm.

As per A/R, item-3 ,page-93

Painter special	1.25 nos @ Rs	495.00	618.75
Mulla	1.1 nos @ Rs	345.00	379.50
	Say		<u>998.25</u>
	For one sqm		<u>107.34</u>
<u>Cost of Material for 10 sqm</u>			
Enamel paint for two coats	1.25 Ltr @ Rs	129.92	162.40
	Total/sqm	Rs	<u>16.24</u>
Rate per one sqm(( Meterial + Labour)	Total/ Sqm	Rs	<u>123.58 / sqm</u>
2% Sundries, brushes, putty etc. (Lab)		Rs	0.00
	Total		123.58 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	18.54
Labour Cess 1%		Rs	1.24
<b>Ground floor Rate per one sqm</b>		<b>Rs</b>	<b>143.35 /sqm</b>

19 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

A) Primer one coat (Data for 9.30 sqm)

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulla	0.5 nos @ Rs	345.00	172.50

Sundries, brushes, soap & putties 2%

0.00  
420.00

Cost wall Primer (water bound)

0.781 Ltr @ Rs  
Rate per 9.3 Sqm  
Total (A)

140.52  
Rs 529.77 /sqm  
Rs 56.96 /sqm

Rate per one sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs 8.54  
Rs 0.57

**Ground floor Rate per one sqm**

Rs 66.08 /sqm

**B) Painting two coat (Data for 10.0 sqm)**

As per A/R, item-18 ,page-98

Painter special  
Mulla

0.22 nos @ Rs  
0.32 nos @ Rs

495.00 108.90  
345.00 110.40

Sundries, brushes, soap & putties 2%

0.00  
219.30

Cost of Material for 10 sqm weather coat Paint for two coats

1.25 Ltr @ Rs  
Total/10 sqm

192.52 240.65  
Rs 459.95

Rate per one sqm(( Material + Labour)

Total/ Sqm  
Total (B)

Rs 46.00 / sqm  
Rs 46.00 / sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs 6.90  
Rs 0.46

**Ground floor Rate per one sqm**  
**Rate for Ground Floor**

**G.Total (A+B)**

Rs 53.35 /sqm  
Rs 119.43 /sqm

**20 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors, windows, ventilators and beam.**

As per A/R, item-2 ,page-132

Data for 0.028 cum

sal wood scantling sawn  
carpenter special  
Man Mulla

0.028 Cum@ Rs  
0.5 nos @ Rs  
0.5 nos @ Rs  
for 0.028 Cum

31498.66 881.96  
495.00 247.50  
345.00 172.50  
Rs 1301.96

Rate for Ground Floor

for 1 Cum  
Total

Rs 46498.66 / Cum  
Rs 46498.66 / Cum

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs 6974.80  
Rs 464.99

**Ground floor Rate per one cum**

Rs 53938.45 /cum

**21 32mm plasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings**

Per 15qm

Data for a doors 1.07m x 2.13m

**a) Material**

Area of shutters 0.94 x 2.0m = 1.88sqm

i) Piasal wood planks for shutters 2.08 sqm or 0.06656 Cum	2.08 sqm or 0.06656 Cum Supplied by Department		
ii) Wooden hinged cleats	2 nos @ Rs	57.5	115.00
<b>b) Labour</b>			
Labour for making shutters			
(I) Carpenter Special 2 Nos	2 nos @ Rs	495.00	990.00
(ii) Helper 2 Nos.	2 nos @ Rs	385.00	770.00
Labour for fixing shutters			
Carpenter 2nd class	1 nos @ Rs	435.00	435.00
Man mulia	1 nos @ Rs	345.00	345.00
		Rs	2655.00
Add 15% for O.H Charges and Contractors profit		Rs	398.25
Labour Cess 1%		Rs	26.55
		Rs	3079.8 / 1.88 sqm
<b>Ground floor Rate per one sqm</b>		Rs	1638.191 /sqm

- 22 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 jointed with neat cement slurry mixed with pigment to match the shades of the tiles etc, complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)

As per A/R, Item- 16, page- 89

Detailed for 10 sqm

7mm to 8mm thick vitrified floor tiles (60 x60)cm size	10 sqm @ Rs	586.92	5869.20
Sand	0.13 Cum@ Rs	56.19	7.30
Cement	1.875 Qntl@ Rs	630.00	1181.25
Cement for slurry st the rate of 4.4 Kg/ sqm	0.44 Qntl@ Rs	630.00	277.20
Cement for grouting	0.44 Qntl@ Rs	630.00	277.20
Mason spl class	2.16 nos @ Rs	495.00	1069.20
SS mulia or rubbing mulia	5.50 nos @ Rs	385.00	2117.50
Mulia	2.16 nos @ Rs	345.00	745.20

Total per 10 sqm 11544.05

Rate per one sqmt		Total	1154.41 /sqm
Carriage & royalty of sand	0.13 Cum@ Rs	184.67	24.01
Carriage of cement	2.755 Qntl@ Rs	16.17	44.55
Total	/sqm	Rs	1222.96 /sqm
Wax polishing			8.50 /sqm
Rate per sqm		Rs	1231.46 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	184.72
Labour Cess 1%		Rs	12.31

**Ground floor Rate per one sqm** Rs 1428.49 /sqm

- 23 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cm x20cm size) etc, complete.

As per A/R, Item- 17, page- 90

6.5mm to 6.7 mm Ceramic tiles( 20x20)cm	10 sqm @ Rs	277.17	2771.70
Sand	0.15 Cum@ Rs	56.19	8.43
Cement	0.715 Qntl@ Rs	630.00	450.45
Cement slurry 4.40Kg/sqmt	0.66 Qntl@ Rs	630.00	415.80
Mason spl	3.25 each @ Rs	495.00	1608.75
Mulia	3.25 each @ Rs	345.00	1121.25
Semi- skilled mulia for rubbing	7.6 each @ Rs	385.00	2926.00

	Total	per 10 sqm	Rs	9302.38
Rate per one sqmt			Total	930.24 /sqm
Overhead Charges @ 10%				0.00
Carriage & royalty of sand		0.15 Cum@ Rs	184.67	27.70
carriage of cement		1.375 Qntd@ Rs	16.17	22.23
			Rs	980.17 /sqm
Wax ploishing				8.50 /sqm
Rate per sqm			Rs	988.67 /sqm
Add 15% for O.H Charges and				
Contractors profit			Rs	148.30
Labour Cess 1%			Rs	9.89
<b>Ground floor Rate per one sqm</b>			Rs	<b>1146.86 /sqm</b>

- 24 Supply, fitting ,fixing up Window (sliding type) made up aluminum section No-151-154, 151-155 , as window frame section No- 151-155 , 151-153 and 151-167 as shutter frame with 5 mm thinincludingck glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes, labour etc. completed.

As per A/R, item-7 ,page-240

Data for 4'-0" X 4'-0" =16sqft or , 1.49 sqm

**(a) Materials**

Aluminum Sec. No- 151-154	2.44 mt@ 0.875 kg/m = 2.13 Kg
Top & Bottam Sec. No- 151-155	2.44 mt@ 0.765 kg/m = 1.87 Kg
Inter Lock Sec No - 151-153	2.44 mt@ 0.492 kg/m = 1.20 Kg
Aluminum Sec. No- 151-152	2.44 mt@ 0.465kg/m = 1.13 Kg
H- Section No- 151-167	2.44 mt@ 0.587 kg/m = 1.43 Kg

Total = 7.76 Kg

Wastage 10% = 0.77 kg

Aluminum section	8.53	Kg @	Rs	226.37	1930.9361
PVC plug		8 no.s @	RS	1.50	12.00
Al. screws of different size	L.S				30.00
U rubber beading		9.75 mt @	Rs	7.00	68.25
5 mm thick black glass		1.493 sqm			
westage 10%		0.15 sqm			
		1.64 sqm @	Rs	553.59	907.88
Al. wheel runner		8 no. @	Rs	25.00	200.00
Handle with lock		2 no. @	Rs	40.00	80.00
Hire charges of drills machine		1 day @	Rs	100.00	100.00

**(b) Labour**

Carpenter 1st class	5.33 no			495.00	2638.35
Mulia	5.33 no			345.00	1838.85
		Rate /1.49 sqm			7806.27
		Rate /sqm			5239.10 /Sqm
Add 15% for O.H Charges and					
Contractors profit				Rs	785.87
Labour Cess 1%				Rs	52.39

**Ground floor Rate per one sqm**

Rs **6077.36 /sqm**

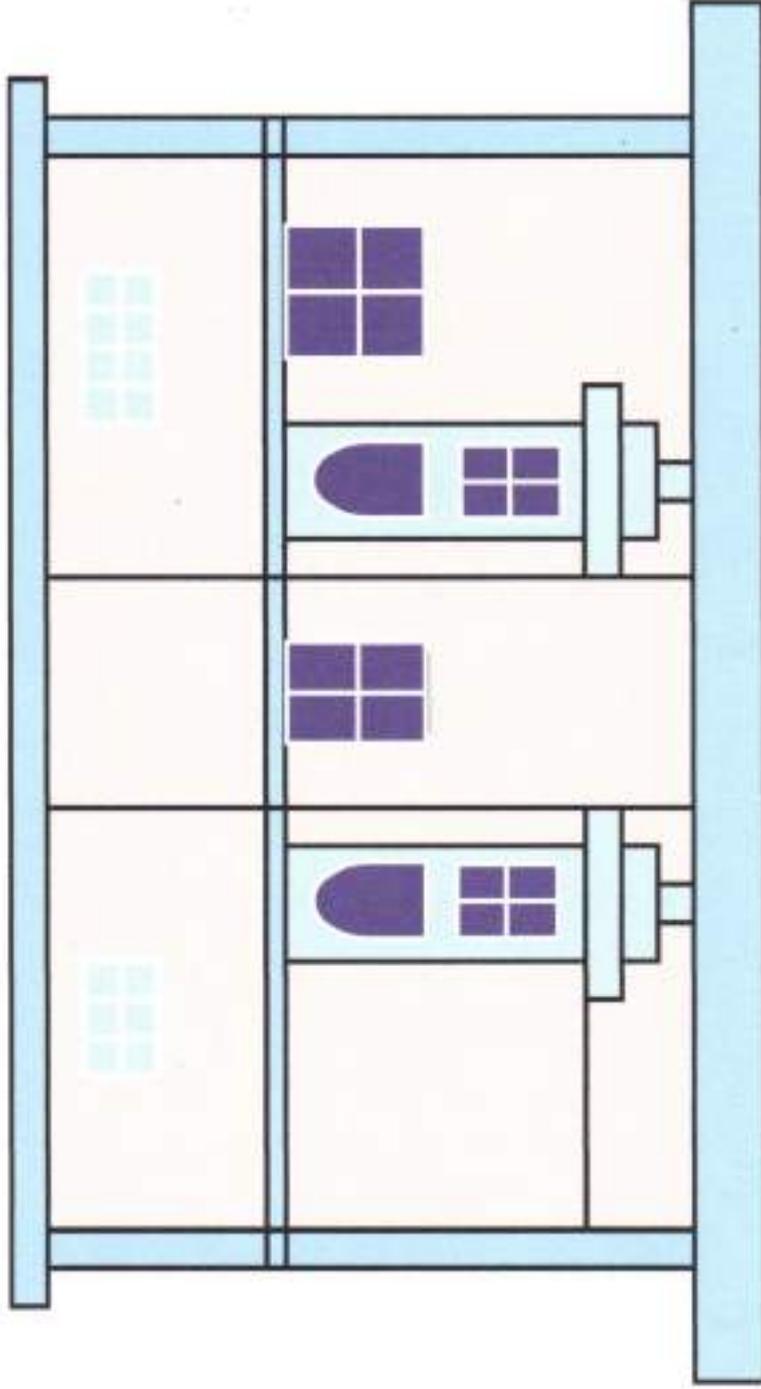
  
Forest Range Officer  
Khalikote Range

### Lead Statement of Materials (Post GST)

Sl. No	Items	Location	Unit	Basic Cost of materials post GST	Distance in K.M	Initial lead upto 5 Km in Rs	Extra lead 6 to 50 Km	Extra lead beyond 50 Km	Conveyance (7+8+9)	Royalty	Conveyance + Royalty	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Fly ash bricks (23 cmx11cmx8cm)	Local	1000 Nos	3404.26	5	386.91	0.00	0.00	386.91	0.00	386.91	3791.17
2	Filling Sand	Local	cum	53.33	5	149.67	0.00	0.00	149.67	35.00	184.67	238.00
3	Sand for Mortar	Local	cum	56.19	5	149.67	0.00	0.00	149.67	35.00	184.67	240.86
4	French Polish	Local	lit	129.92	5	0	0.00	0.00	0.00	0.00	0	129.92
5	40 mm CB Metal	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05
6	20 mm CB Chips	Local	cum	1092.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1372.05
7	12 mm CB Chips	Local	cum	1128.57	5	149.67	0.00	0.00	149.67	130.00	279.67	1408.24
8	10 mm CB Chips	Local	cum	1194.29	5	149.67	0.00	0.00	149.67	130.00	279.67	1473.96
9	6.7 mm CB Chips	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05
10	4.7 mm CB Chips	Local	cum	690.48	5	149.67	0.00	0.00	149.67	130.00	279.67	970.15
11	Cement -43 grade	Local	Quintel	630.00	5	16.17	0.00	0.00	16.17	0.00	16.17	646.17
12	HYSO Steel	Local	Tone	64500	5	161.72	0.00	0.00	161.72	0.00	161.72	64661.72
13	Binding Wire	Local	Kg	67.23	5	0.16	0.00	0.00	0.16	0.00	0.16	67.39
14	75-120 mm dia Sal bullah x5.5 long	Local	Rmt	89.63	5	0	0.00	0.00	0.00	0.00	0	89.63
15	150-200 mm dia Sal bullah x5.5 long	Local	Rmt	98.76	5	7.31	0.00	0.00	7.31	0.00	7.31	106.07
16	75 mm dia Non Sal bullah	Local	Rmt	43.15	5	0	0.00	0.00	0.00	0.00	0	43.15
17	100 mm dia Non Sal bullah	Local	Rmt	53.94	5	0	0.00	0.00	0.00	0.00	0	53.94
18	125 mm dia Non Sal bullah	Local	Rmt	67.22	5	0	0.00	0.00	0.00	0.00	0	67.22
19	150-200 mm dia Non Sal bullah	Local	Rmt	83.82	5	0	0.00	0.00	0.00	0.00	0	83.82
20	Seasoned SalWood beam of CS area not less than 150 Sq.cm & least lateral dimension 100 mm & above 2.75 m. long	Local	cum	31369.29	5	129.37	0.00	0.00	129.37	0.00	129.37	31498.66
21	Non Sal Wood Scantling &plants (Tendra, Kasi,Gambhari,Kuruma)	Local	cum	17261.41	5	129.37	0.00	0.00	129.37	0.00	129.37	17390.78
22	Non Sal reapers	Local	cum	11452.28	5	129.37	0.00	0.00	129.37	0.00	129.37	11581.65
23	Ceramic wall tiles (20 cmx30 cm)/(20 cmx 20cm) plain/printed having thickness 6.5mm to 6.7mm	Local	Sqm.	277.17	5	5.37	9.90	0.00	15.27	0.00	15.27	292.44
24	Ceramic floor tiles (30 cmx30 cm)/(40 cmx 40cm) plain/printed having thickness 7 mm to 8 mm	Local	Sqm.	314.96	5	5.37	9.90	0.00	15.27	0.00	15.27	330.23
25	Vertified polished floor tile 600mmx600mm plain (Ivory) having thickness 8mm to 10 mm	Local	Sqm.	476.38	5	5.37	9.90	0.00	15.27	0.00	15.27	491.65

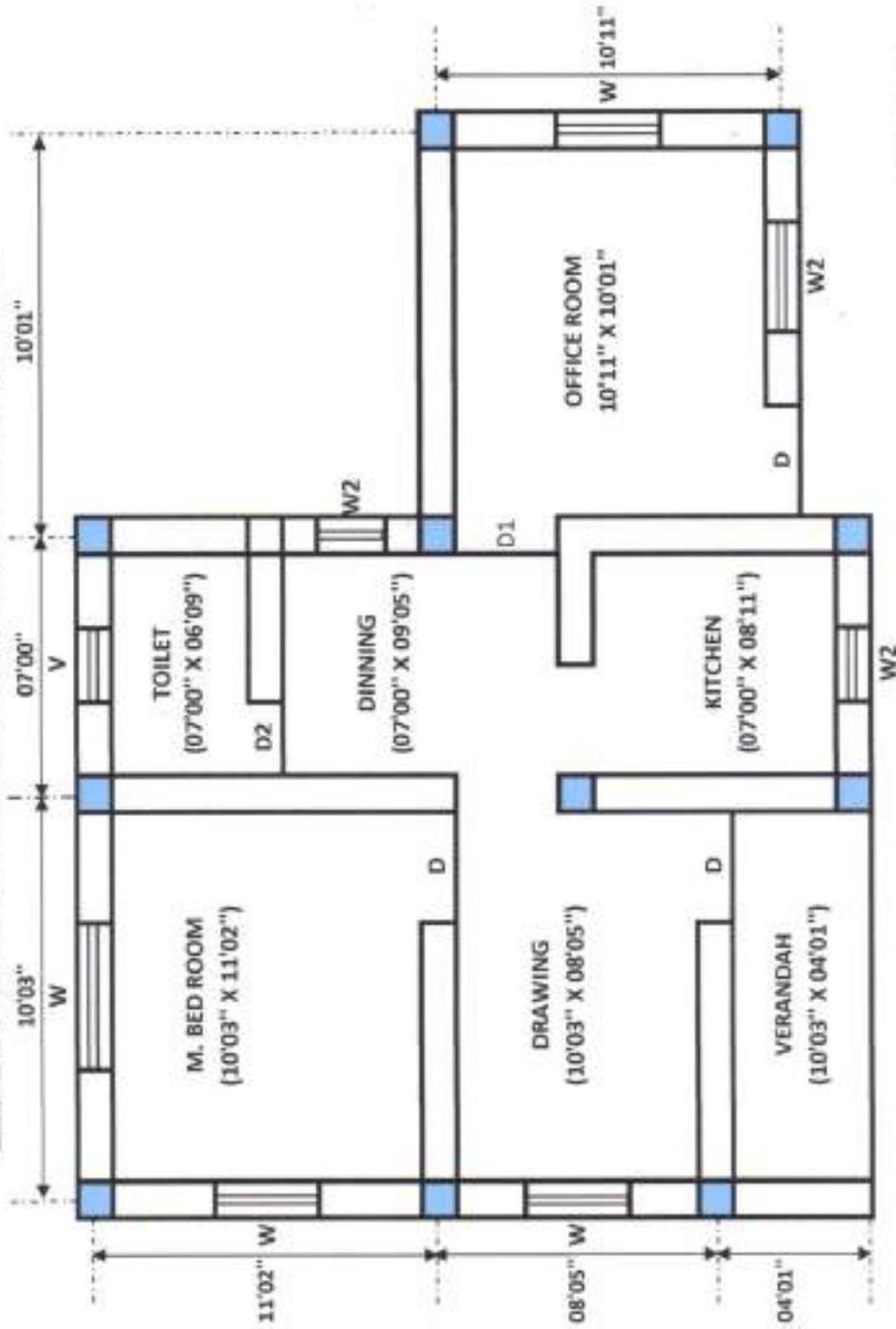


FRONT ELEVATION OF FOREST GUARD QUARTER



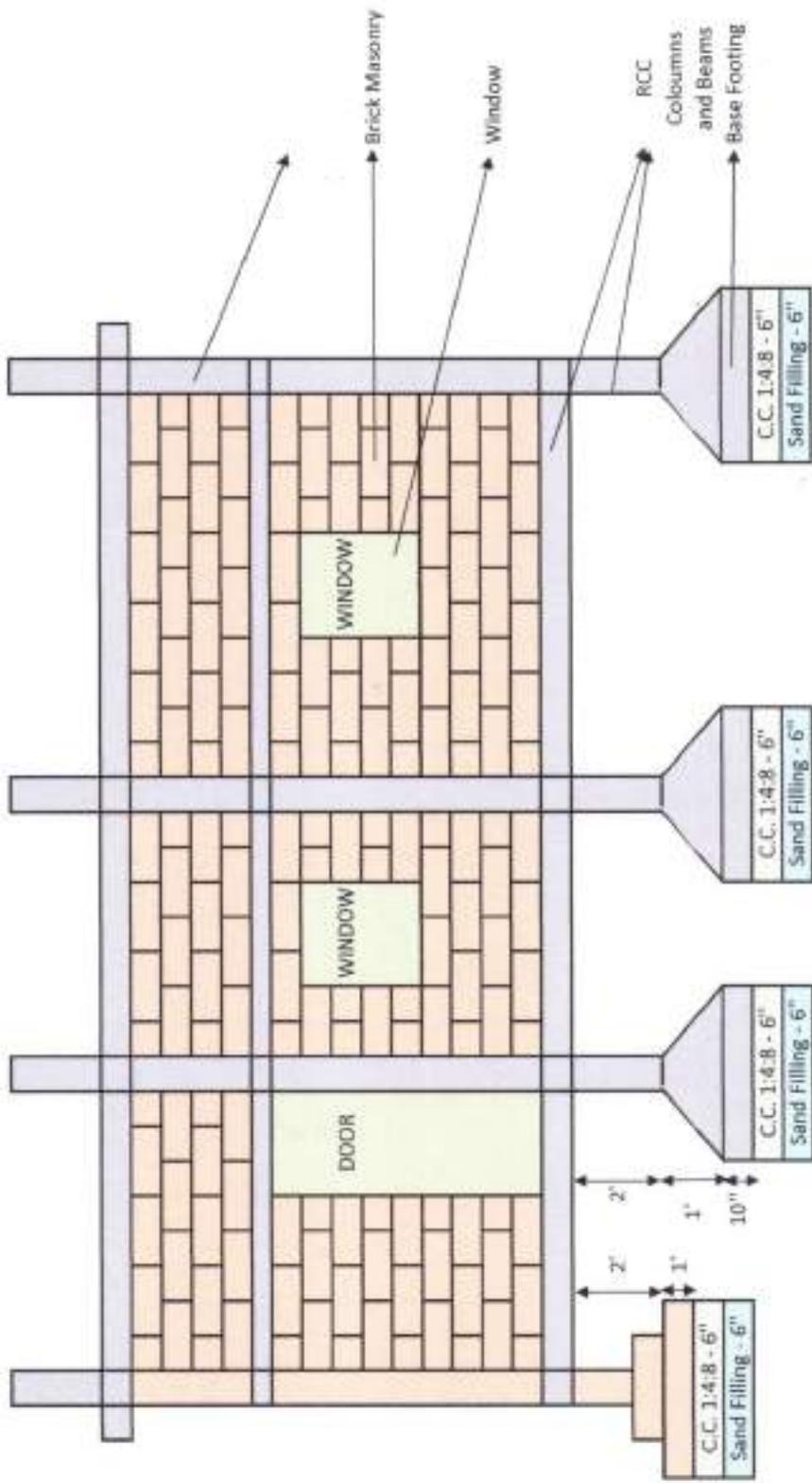
*Sedhantika*  
Forest Range Officer  
Khalikote Range

# PROPOSED PLAN OF FOREST GUARD QUARTER



PLINTH AREA = 520 SQ. FT.  
 OFFICE AREA = 130 SQ. FT.  
 TOTAL AREA = 650 SQ. FT.

*[Signature]*  
 Forest Range Officer  
 F/halikote Range



*Siddhant Kumar*

Forest Range Officer  
Khalikote Range



**FOREST ENVIRONMENT  
&  
CLIMATE CHANGE DEPARTMENT**

**NAME OF WORK** : Construction of Compound Wall at FG.Quarter  
Biruligada Beat under Khallikote Forest Range.

**NAME OF THE SCHEME** : **CAMPA APO -2023-24**

**ESTIMATED COST** : **Rs. 4, 25,000/-**  
(Rupees Four Lakhs Twenty Five Thousand) Only

**NAME OF THE DIVISION:** Divisional Forest Officer,  
Berhampur Division

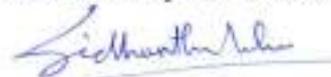
**NAME OF THE RANGE** : Foest Range Officer,Khallikote  
Range, Khallikote

**DETAILED ABSTRACT OF ESTIMATE**

**Construction of Compound Wall 80 mt with Gate (8'x5') at Forest Guard Quarter at Biruligada Beat**

Sl. No.	Description of Work	Quantity	Unit	Rate in Rs	Amount In Rs
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	18.25	cum	153.88	2808.80
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.	3.93	cum	325.97	1282.44
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc	3.93	cum	4224.25	16619.34
4	R.C.C.work of M-20 grade with cement concrete proportion (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	3.51	cum	5007.32	17598.10
5	Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.	2.92	Qntl	7284.70	21302.48
6	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete (I)RCC foundation,plinth band,footings,base of columns mass concrete	25.621	sqm	107.82	2762.48
7	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	5.3554	sqm	786.20	4210.42
8	First class K.B brick masonry in C.M.(1:6) in foundation & plinth / superstructuer including cost, conveyance, and royalty of all materials complete.	30.89	cum	4256.43	131479.40
9	12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.	495.73	sqm	149.69	74208.09
10	Suppling,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with	137.50	Kg	135.91	18688.03
11	Manufacturing,Supplying,fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc.complete	109.44	Kg	135.91	14874.31
12	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows	6.62	sqm	53.28	352.65
13	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	6.62	sqm	146.62	970.55
14	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	468.93	sqm	119.43	56005.81
15	Suplying, Fitting, Fixing of Barbed Wire in hole of installing MS Y-angles	1			6365.63
				<b>Total</b>	<b>369528.53</b>
				<b>Add GST -18%</b>	<b>66515.14</b>
				<b>Total</b>	<b>436043.67</b>
				<b>or say Grand Total</b>	<b>425000.00</b>

**(Rupees Four Lakh Twenty five Thousand) only**

  
**Forest Range Officer**  
**Khallikote Range**

**Construction of Compound wall(80 Rmt. /262.5 ft.) with Gate  
(8ftx5ft) at Biruligada Beat Quater, Khallikote Range**

Sl No	Description	N	L	B	H	Quantity	Unit	Amount
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5m initial lift							
	Foundation							
	Trench	1	262.50	1.50	1.50	590.63		
	Gate pillar	2	3.00	3.00	3.00	54.00		
						<u>644.63</u>	Cft	
						Or Say	18.25 Cum	
	@ Rs		153.88 /Cum					Rs 2808.80
2	Filling sand inside the room with well rammed & watered etc Comp.							
	Foundation							
	Trench	1	262.50	1.50	0.33	129.94	cft	
	Gate pillar	2	3.00	3.00	0.50	9.00	cft	
						<u>138.94</u>	cft	
						Or Say	3.93 Cum	
	@ Rs		325.97 / Cum					Rs 1282.44
3	C.C. (1:4:8) with 40 mm hard broken granite metal including cost,conveyance,and royalty of all materials complete.							
	Foundation							
	Trench	1	262.50	1.50	0.33	129.94		
	Pillar Base	2	3.00	3.00	0.50	9.00		
						<u>138.94</u>	Cft	
						Or Say	3.93 Cum	
	@ Rs		4224.25 / Cum					Rs 16619.34
4	R.C.C.work of M-20 grade. with 20 mm and down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.							
	Grouting for Y angle							
		26	0.75	0.75	0.75	10.97	cft	
	Ground Beam	1	262.50	0.75	0.50	98.44	cft	
	<b>Gate pillar</b>							
	column	2	0.75	0.75	7.17	8.07	cft	
	Column Base	2	2.00	2.00	0.83	6.64	cft	
						<u>124.11</u>	cft	
						Or Say	3.51 Cum	
	@ Rs		5007.32 / Cum					Rs 17598.10
5	Supplying , fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.							
	Gate Pillar column (1.00% of Rcc qty.)							
		1.00	0.42	Cum		0.42	Qntl	
	Ground beam (0.90% of RCC antv.)							
		0.90	2.79	cum		2.51	Qntl	
						<u>2.92</u>	Qntl	
	@ Rs		7284.70 / Qntl					Rs 21302.48

6 Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. comp. :-

(a) column					
base	8	2.00	0.83		13.28 sqft
Ground Beam	1	262.50	1.00		262.50 sqft
					<u>275.78 sqft</u>
				Or Say	25.621 sqm
@ Rs.		107.82	/ Sqm		Rs 2762.48
(d) column					
Y-angle base	26	0.75	0.75		43.020 sqft
					<u>14.625 sqft</u>
				Or Say	5.355 sqm
@Rs.		786.20	/ Sqm		Rs 4210.42

7 Flyash brick masonry in c.m.(1:6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

Compound wall					
Super structure	1	262.50	0.75	5.00	984.38 cft
Projection for Brick Pillar at 10' gap	25	1.25	0.42	5.00	65.63 cft
Gate pillar	2	2.00	2.00	7.17	57.36 cft
Deduction for concrete	-25	0.75	0.75	0.60	-8.44 cft
Grouting Gate pillar column	-2	0.75	0.75	7.17	-8.07 cft
				Total	<u>1090.86 Cft</u>
				Or Say	30.89 Cum
@ Rs		4256.43	/ Cum		Rs 131479.40

8 12 mm thick cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.

Compound wall					
wall	2	262.50		10.00	5250.00 sqft
Gate pillar	6	2.00		7.17	86.04 sqft
				Total	<u>5336.04 sqft</u>
				Or Say	495.735 sqm
@ Rs		149.69	/ Cum		Rs 74208.09

9 Cost, suplying, making and drilling holes of MS -Y angle of size-35mmx35mm

Y- angle	25	5.50		137.50 Rft
137.50 rft @		1.00 Kg / Rft		137.50 Kg
137.50 Kg @		Rs 135.91 / Kg		Rs 18,688.03

10 Suplying, Fitting, Fixing of MS Grill gate at gate pillar

Front Gate	2	4.0		5.0	40.00 sft
Zinc plate shuttering over MS grill Gate					
	2	4.0		3	24.00 sqft
				Total	<u>64.00 sft</u>
		@ 1.71	kg / sft		109.44 Kg

109.44 kg @ Rs 135.91 / Kg 109.44 kg Rs 14,874.31

11. Supplying, Fitting, Fixing of Barbed Wire in hole of installing MS Y-angles

fence of barbed wire in six line 5 262.50 1312.50

Total 1312.50 Rft  
 1312.50 Rft @ 0.05 Kg / Rft 65.63 Kg  
 i) Material 65.63 Kg @ Rs 65.00 / Kg Rs 4,265.63  
 ii) Fitting, fixing - 5 line Barbed wire 262.50 Rft @ Rs 8.00 / Rft Rs 2100.00

12 Priming( Red oxide) one coat with approved primer on new work to M.S grill  
 Grill Gate 2 4.00 5.00 40.000 sqft  
 Y-angle 25 5.00 0.25 31.250 sqft  
 Total 71.250 sqft  
 Or Say 6.619 sqm  
 @ Rs. 53.28 /sqm Rs 352.65

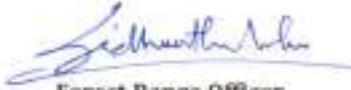
13 Painting two coats synthetic enamel paint with including material approved  
 Grill Gate 2 4.00 5.00 40.000 sqft  
 Y-angle 25 5.00 0.25 31.250 sqft  
 Total 71.250 sqft  
 Or Say 6.619 sqm  
 @ Rs. 146.62 /sqm Rs 970.55

14 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

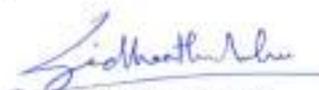
Compound  
 wall 2 262.50 9.50 4987.50 sqft  
 Gate pillar 6 2.00 5.00 60.00 sqft  
 Total 5047.50 sqft  
 Or Say 468.929 sqm  
 @ Rs. 119.43 /sqm Rs 56005.81

Total Rs 369528.53  
 Rs 66515.14  
 15 Add GST 18%  
 Grand Total Rs 436043.67  
 Or, Say Rs 425000.00

(Rupees Four Lakh Twenty five thousand Only)

  
 Forest Range Officer  
 Khallikote Range

Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.

  
 Forest Range Officer  
 Khallikote Range

## Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing , breaking clods and laying in layer and leveling bed etc complete				
	<b>As per A/R, Item-2(a),page-1</b>				
	Mulia	32 nos @	Rs	345.00	11040.00
	Total				11040.00
	Add 20% extra towards excavation of foundation				2208.00
					13248.00
	Add 15% for O.H Charges and Contractors profit				1987.20
			Total	Rs	15235.20 / 100 Cum
				Rs	152.35 /cum
	Labour Cess 1%			Rs	1.52
			<b>Total</b>	Rs	<b>153.88 /cum</b>
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	<b>As per A/R, Item-15,page-8</b>				
	Data for 100 cum				
	Sand	100.00 Cum@	Rs	53.33	5333.00
	Mulia	12.36 nos @	Rs	345.00	4264.20
	Total				9597.20
	Carriage & royalty of sand	100.00 Cum@	Rs	184.67	18467.00
					28064.20 /100 cum
	Add 15% for O.H Charges and Contractors profit			Rs	4209.63
			Total		32273.83 /100 cum
			Per Cum		322.74 /cum
	Labour Cess 1%			Rs	3.23
			<b>Total</b>	Rs	<b>325.97 /cum</b>
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting , lowering and laying in layers not exceedind 15 cm thick to the required level , ramming watering and curing etc complete including all cost . conveyance, taxes and royalties of all materials complete.				
	<b>As per A/R, Item-4,page-43</b>				
	HG metal 40m size	0.96 Cum@	Rs	752.38	722.28
	Sand	0.48 Cum@	Rs	56.19	26.97
	Cement	1.72 Qntl@	Rs	630.00	1083.60
	Mason 2nd Class	0.18 nos @	Rs	435.00	78.30
	Mulia	3.9 nos @	Rs	345.00	1345.50
	Total				3256.66
	Carriage & Royalty of metal	0.96 Cum@	Rs	279.67	268.48
	Carriage & Royalty of sand	0.48 Cum@	Rs	184.67	88.64
	Carriage of cement	1.72 Qntl@	Rs	16.17	27.81
			Total		3641.59
	Add 15% for O.H Charges and Contractors profit			Rs	546.24
	Labour Cess 1%			Rs	36.42
			<b>Total</b>	Rs	<b>4224.25 /cum</b>
4	First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance , and royalty of all materials complete.				
	<b>As per A/R, Item-3,page-71</b>				

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	3,404	1361.70
sand	0.28 Cum@ Rs	56.19	15.73
Cement	0.672 Qntl@ Rs	630.00	423.36
mason 1st class	0.35 nos @ Rs	495.00	173.25
mason 2nd class	1.05 nos @ Rs	435.00	456.75
Mulia	2.96 nos @ Rs	345.00	1021.20
Total per one cum			3452.00
Carriage & royalty of sand	0.28 Cum@ Rs	184.67	51.71
Carriage of Cement	0.672 Qntl@ Rs	16.17	10.87
Carriage of bricks	400 nos (1 cum)@ Rs	0.38691	154.76
Total		Rs	3669.34
Add 15% for O.H Charges and Contractors profit		Rs	550.40
Labour Cess 1%		Rs	36.69
<b>For foundation ,Plinth &amp; Super struce</b>		Rs	<b>4256.43 /cum</b>

- 5 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

**As per A/R, item-4, page-50**

Data for 15 Cum

**Material**

HG chips 20 mm size	8.10 Cum@ Rs	1092.38	8848.28
HG chips 10mm size	5.40 Cum@ Rs	1194.29	6449.17
Sand	6.75 Cum@ Rs	56.19	379.28
Cement	52.10 Qntl@ Rs	630.00	32823.00

**Labour**

Mate	0.86 nos @ Rs	385.00	331.10
Mason 2nd class	1.5 nos @ Rs	435.00	652.50
Man mulia	20 nos @ Rs	345.00	6900.00

**Machinery**

Concrete mixture	6 hour	177.00	1062.00
Generator 33 KVA	6 hour	240.00	1440.00
			58885.33

**Conveyance & royalty**

20 mm size chips	8.1 Cum@ Rs	279.67	2265.33
10 mm size chips	5.4 Cum@ Rs	279.67	1510.22
Sand	6.75 Cum@ Rs	184.67	1246.52
cement	52.1 Qntl@ Rs	16.17	842.46

Total	per 15 cum	Rs	64749.85
	Per 1 cum	Rs	4316.66 /cum

Add 15% for O.H Charges and

Contractors profit	Rs	647.50
Labour Cess 1%	Rs	43.17

**Rate for Ground Floor** Rs **5007.32 /cum**

- 6 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

**As per A/R, item-9, page-52**

Data for 1.0 MT

**A) Material cost**

HYSD bar including 5% overlap and wastage	1.05	MT	64500.00	67725.00
Binding wire	8.00	Kg	67.23	537.84

**B) Labour**

Mate	0.44 nos @ Rs	385.00	169.40
Black smith Spl	3 nos @ Rs	495.00	1485.00
Mulia	8 nos @ Rs	345.00	2760.00
carriage of Steel	1.05 MT @Rs	161.72	169.81

Total 72847.05 / MT

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs	10927.06
Rs	728.47
	<u>84502.57 / MT</u>
Rs	<b>7284.70 /Qntl</b>

**Rate for Ground floor**

**Total**

- 7 Rigid smooth centering & shuttering for RCC works including false work and dismantling then after casting including cost of all materials

**As per A/R, Item-10, page-53**

**( i ) For RCC foundation,plinth band,footings,base of columns mass concrete**

25 mm thick non-sal planks 10.66 sqm for 0.267 cum	0.267	cum @ Rs	17261.41	4608.80
Non - sal bullah 80 mm dia. for suttering	12.60	m @ Rs	43.15	543.69
Convey of wood	0.3284	cum @ Rs	129.37	42.49
<b>Total</b>				<u>5194.97</u>

Considering the materials to be  
used for 10 times

For once use				519.50
Carpenter( 2nd class)	0.50	nos @ Rs	435.00	217.50
SS Mulia	0.50	nos @ Rs	385.00	192.50
<b>For 10 Sqm</b>			<b>Total</b>	<u>929.50</u>
<b>For one Sqm</b>				92.95

**Total** Rs 92.95 sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs	13.94
Rs	0.93

**Ground floor Rate per one  
sqm**

**Rs 107.82 sqm**

**( ii )For RCC Lintel band Details for 7.8 sqm.**

38 mm thick non-sal planks 10.87 sqm for 0.413 cum	0.413	cum @ Rs	17261.41	7128.96
120 mm dia Non-Sal bullah	21.00	mt @ Rs	67.22	1411.62
Carriage of wood	0.689	cum @ Rs	129.37	89.14
<b>Total</b>			<b>Total</b>	<u>8629.72</u>

Considering the materials to be  
used for 10 times

For once use	8629.72	/10		862.97
Carpenter 2nd class	1.25	nos @ Rs	435.00	543.75
SS Mulia	1.25	nos @ Rs	385.00	481.25
Cost of nails				30.00
				<u>1917.97</u>

Total for 7.80 sqm

Total 1917.97

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs	36.88
Rs	2.46 /sqm

**Ground floor Rate per one  
sqm**

**Rs 285.24 /sqm**

**( iii )For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas upto**

Non- sal Wood scanting	0.112	cum @ Rs	17261.41	1933.28
Plank 38 mm	0.34	cum @ Rs	17261.41	5868.88
120 mm dia -Sal bullah	56.00	m @ Rs	89.63	5019.28
Carriage of wood	1.142	cum @ Rs	129.37	147.74
				<u>12969.18</u>

Considering the materials to be  
used for 10 times

For once use	12969.18	/10		1296.92
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75

Total				3551.92
Total / 9 sqm				394.66
				394.66 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	59.20
Labour Cess 1%			Rs	3.95
<b>Ground floor Rate per one sqm</b>			Rs	<b>457.80 /sqm</b>

**(iv) For RCC beams, Column, grider and bressmer, etc Data for 4.20 sqm.**

38 mm thick non-sal planks				
5.73 sqm for 0.218 cum	0.218	cum @ Rs	17261.41	3762.99
120 mm dia Sal bullah	15.20	m @ Rs	89.63	1362.38
80 mm dia non-sal bullah for brassing	8.00	m @ Rs	53.94	431.52
Carriage of wood	0.456	cum @ Rs	129.37	58.99
				5615.88
Considering the materials to be used for 10 times				
For once use	5615.88 /10			561.59
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
S.S Mulia	2.75	nos @ Rs	385.00	1058.75
Cost of nails L.S				30.00
Total / 4.2 sqm			Total	2846.59
Total / sqm				677.76
				677.76 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	101.66
Labour Cess 1%			Rs	6.78
<b>Ground floor Rate per one sqm</b>			Rs	<b>786.20 /sqm</b>

**8 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.**

**As per A/R, item-4, page-103**

Sand	0.015	Cum@ Rs	56.19	0.84
Cement	0.0358	Qntl@ Rs	630.00	22.55
Mason 2nd class	0.14	nos @ Rs	435.00	60.90
Mulia	0.12	nos @ Rs	345.00	41.40
Total				125.70
Carriage & royalty of sand	0.015	Cum@ Rs	184.67	2.77
Carriage of cement	0.0358	Qntl@ Rs	16.17	0.58
				129.05
			Total	Rs 129.05 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	19.36
Labour Cess 1%			Rs	1.29
<b>Ground floor Rate per one sqm</b>			Rs	<b>149.69 /sqm</b>

**9 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request**

**As per A/R, item- 4, page- 225**

For 1 qntl.

Data for 0.508 qntl.

Labour

Black Smith(Special)	0.75	nos @ Rs	495.00	371.25
Black Smith(Second class)	1.00	nos @ Rs	435.00	435.00
Fitter(Special)	1.00	nos @ Rs	495.00	495.50

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%  
**Ground floor Rate per one  
sqm**

Rs 8.54  
Rs 0.57

Rs	66.08 /sqm
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**B) Paintings two coat (Data for  
10.0 sqm)  
As per A/R, item-18 ,page-98**

Painter special  
Mulia  
Sundries, brushes, soap &  
putties 2%

0.22 nos @ Rs	495.00	108.90
0.32 nos @ Rs	345.00	110.40
		0.00
		<u>219.30</u>

Cost of Material for 10 sqm  
weather coat Paint for two  
coats

1.25 Ltr @ Rs	192.52	240.65
Total/10 sqm	Rs	<u>459.95</u>

Rate per one sqm(( Material +  
Labour)

Total/ Sqm	Rs	46.00 /sqm
Total (B)		46.00 /sqm

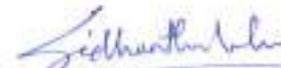
Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 6.90  
Rs 0.46

**Ground floor Rate per one  
sqm  
Rate for Ground Floor**

**G.Total (A+B)**

Rs	53.35 /sqm
	<u>119.43 /sqm</u>



**Forest Range Officer  
Khallikote Range**

### Lead Statement of Materials (Post GST)

Sl. No	Items	Location	Unit	Basic Cost of materials post GST	Distance in K.M	Initial lead upto 5 Km in Rs	Extra lead 6 to 50 Km	Extra lead beyond 50 Km	Conveyance (7+8+9)	Royalty	Conveyance + Royalty	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Fly ash bricks (23 cmx11cmx8cm)	Local	1000 Nos	3404.26	5	386.91	0.00	0.00	386.91	0.00	386.91	3791.17
2	Filling Sand	Local	cum	53.33	5	149.67	0.00	0.00	149.67	35.00	184.67	238.00
3	Sand for Mortar	Local	cum	56.19	5	149.67	0.00	0.00	149.67	35.00	184.67	240.86
4	French Polish	Local	lit	129.92	5	0	0.00	0.00	0.00	0.00	0	129.92
5	40 mm CB Metal	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05
6	20 mm CB Chips	Local	cum	1092.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1372.05
7	12 mm CB Chips	Local	cum	1128.57	5	149.67	0.00	0.00	149.67	130.00	279.67	1408.24
8	10 mm CB Chips	Local	cum	1194.29	5	149.67	0.00	0.00	149.67	130.00	279.67	1473.96
9	6.7 mm CB Chips	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05
10	4.7 mm CB Chips	Local	cum	690.48	5	149.67	0.00	0.00	149.67	130.00	279.67	970.15
11	Cement -43 grade	Local	Quintel	630.00	5	16.17	0.00	0.00	16.17	0.00	16.17	646.17
12	HYSD Steel	Local	Tone	64500	5	161.72	0.00	0.00	161.72	0.00	161.72	64661.72
13	Binding Wire	Local	Kg	67.23	5	0.16	0.00	0.00	0.16	0.00	0.16	67.39
14	75-120 mm dia Sal bulliah x5.5 long	Local	Rmt	89.63	5	0	0.00	0.00	0.00	0.00	0	89.63
15	150-200 mm dia Sal bulliah x5.5 long	Local	Rmt	98.76	5	7.31	0.00	0.00	7.31	0.00	7.31	106.07
16	75 mm dia Non Sal bulliah	Local	Rmt	43.15	5	0	0.00	0.00	0.00	0.00	0	43.15
17	100 mm dia Non Sal bulliah	Local	Rmt	53.94	5	0	0.00	0.00	0.00	0.00	0	53.94
18	125 mm dia Non Sal bulliah	Local	Rmt	67.22	5	0	0.00	0.00	0.00	0.00	0	67.22
19	150-200 mm dia Non Sal bulliah	Local	Rmt	83.82	5	0	0.00	0.00	0.00	0.00	0	83.82
20	Seasoned SalWood beam of CS area not less than 150 Sq.cm & least lateral dimension 100 mm & above 2.75 m. long	Local	cum	31369.29	5	129.37	0.00	0.00	129.37	0.00	129.37	31498.66
21	Non Sal Wood Scantling &plants (Tentra, Kasi,Gambhari,Kuruma)	Local	cum	17261.41	5	129.37	0.00	0.00	129.37	0.00	129.37	17390.78
22	Non Sal reapers	Local	cum	11452.28	5	129.37	0.00	0.00	129.37	0.00	129.37	11581.65
23	Ceramic wall tiles (20 cmx30 cm)/(20 cmx 20cm) plain/printed having thickness 6.5mm to 6.7mm	Local	Sqm.	277.17	5	5.37	9.90	0.00	15.27	0.00	15.27	292.44
24	Ceramic floor tiles (30 cmx30 cm)/(40 cmx 40cm) plain/printed having thickness 7 mm to 8 mm	Local	Sqm.	314.96	5	5.37	9.90	0.00	15.27	0.00	15.27	330.23
25	Verified polished floor tile 600mmx600mm plain (Ivory) having thickness 8mm to 10 mm	Local	Sqm.	476.38	5	5.37	9.90	0.00	15.27	0.00	15.27	491.65

26	Verified polished floor tile 600mmx600mm colour/printed having thickness 8mm to 10 mm	Local	Sqm.	571.65	5	5.37	9.90	0.00	15.27	0.00	15.27	586.92
27	Shell lime	Local	Kg	18.1	5	0.16	0.36	0.00	0.52	0.00	0.52	18.62
28	Wood Primer	Local	ltr	114.96	5	0.16	0.36	0.00	0.52	0.00	0.52	115.48
29	Wall Primer (oil bound)	Local	ltr	118.00	5	0.16	0.36	0.00	0.52	0.00	0.52	118.52
30	Wall Primer (water bound)	Local	ltr	140.00	5	0.16	0.36	0.00	0.52	0.00	0.52	140.52
31	Weather coat	Local	ltr	192.00	5	0.16	0.36	0.00	0.52	0.00	0.52	192.52
32	Plaster of paris	Local	Kg	9.45	5	0.16	0.36	0.00	0.52	0.00	0.52	9.97
33	Enamel paint	Local	ltr	151.97	5	0.16	0.36	0.00	0.52	0.00	0.52	152.49
34	Disemper	Local	Kg	51.97	5	0.16	0.36	0.00	0.52	0.00	0.52	52.49
35	Cement paint	Local	Kg	36.43	5	0.16	0.36	0.00	0.52	0.00	0.52	36.95
36	Redoxide Primer	Local	ltr	101.57	5	0.16	0.36	0.00	0.52	0.00	0.52	102.09
37	Black Glass-5mm	Local	Sqm.	552.34	5	0.39	0.86	0.00	1.25	0.00	1.25	553.59
38	Aluminum extruded section	Local	Kg	224.68	5	0.52	1.17	0.00	1.69	0.00	1.69	226.37
39	M.S angle/sheet	Local	Tonne	531.50	5	161.72	0.00	0.00	161.72	0.00	161.72	5331.72

**Rate of Labour wages**

1	Male mulia	345.00
2	Female mulia	345.00
3	Semi-skilled mulia	385.00
4	Helper to carpenter, blacksmith, painter	385.00
5	Rod binder and bender	385.00
6	Thatcher or Gharami	385.00
7	Tile turner or tile layer	385.00
8	Well sinker (Open well)	385.00
9	Stone packer	385.00
10	Mason second class	435.00
11	Blacksmith second class	435.00
12	Carpenter second class	435.00
13	Painter (2nd class)	435.00
14	Mason (Special)	495.00
15	Blacksmith (Special)	495.00
16	Carpenter (Special)	495.00
17	Painter (Special)	495.00

Certified that the leads provided above are correct and minimum to the best of my knowledge.



Forest Range Officer  
Khallikote Range



**FOREST ENVIRONMENT  
&  
CLIMATE CHANGE DEPARTMENT**

**NAME OF WORK** : Construction of Forest Guard Quarter at Mundula and Compound Wall at FG.Quarter, Mundula under Khallikote Forest Range.

**NAME OF THE SCHEME** : **CAMPA APO -2023-24**

**ESTIMATED COST FOREST GUARD QUARTER** : **Rs. 12, 04,000/-**

**ESTIMATED COST COMPOUND WALL** : **Rs. 4, 25,000/-**  
*Rs. 16,29,000/-*

**NAME OF THE DIVISION:** Divisional Forest Officer,  
Berhampur Division

**NAME OF THE RANGE :** Foest Range Officer,Khallikote  
Range, Khallikote



**FOREST ENVIRONMENT  
&  
CLIMATE CHANGE DEPARTMENT**

**NAME OF WORK** : Construction of Forest Guard Quarter at Mundula  
under Khallikote Forest Range.

**NAME OF THE SCHEME** : **CAMPA APO -2023-24**

**ESTIMATED COST** : **Rs. 12, 04,000/-**  
(Rupees Twelve Lakhs Four Thousand) Only

**NAME OF THE DIVISION:** Divisional Forest Officer,  
Berhampur Division

**NAME OF THE RANGE :** Foest Range Officer, Khallikote  
Range, Khallikote

**DETAILED ABSTRACT OF ESTIMATE**

**Construction of Forest Guard Quater at Mundula Beat**

Sl. No.	Description of Work	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	49.5817	cum	153.88	7629.40
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc complete.	41.6348	cum	325.97	13571.51
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.	14.2888	cum	4224.25	60359.27
4	R.C.C.work of M-20 grade with cement concrete proporation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	23.5625	cum	5007.32	117985.14
5	Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.	21.9621	Qntl	7284.70	159987.16
6 (i)	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete (I)RCC foundation,plinth band,footings,base of columns mass concrete	65.6519	sqm	107.82	7078.70
(ii)	Rigid smooth Centering & Shuttering RCC Lintel band	14.2174	sqm	285.24	4055.33
(iii)	Rigid smooth Centering & Shuttering R.C.C floor and roof slab, landing, balconies, projecting sunshadesand chajjas	90.9365	sqm	457.80	41630.96
(iv)	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	47.0294	sqm	786.20	36974.55
7	2.5 cm thick grading with c.c (1:2:2) including gradinging using 4.7 mm hard broken granite chips on new work	64.0475	sqm	315.52	20208.49
8	First class K.B brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.	36.4498	cum	4256.43	155146.13
9	16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost,conveyance, royalty etc. complete.	268.764	sqm	214.04	57527.36
10	12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.	121.607	sqm	149.69	18203.76
11	Suppling,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request	258.666	Kg	135.91	35156.00
12	Manufacturing, Supplying,fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc.complete	132.48	Kg	135.91	18005.73
13	Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.	0.18689	cum	53938.45	10080.62
14	32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks	7.984	sqm	1638.19	13079.10
15	Priming one coat with approved wood primer on new work of wood	8.62141	sqm	53.50	461.21

16	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows	22.53	sqm	53.28	1200.24
17	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	22.53	sqm	146.62	3303.29
18	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete	7.98	sqm	143.35	1144.50
19	Supply, fitting,fixing up Window (sliding type) made up aluminum section No- 151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thick including glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes, labour etc. completed.	8.54709	sqm	6077.36	51943.74
20	Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slury mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)with wall rise 0.25 ft with same material	44.0169	sqm	1428.49	62877.92
21	Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete.	18.6234	sqm	1146.86	21358.38
22	Priming one coat with approved primer over the plastered wall surface	309.728	sqm	66.08	20466.65
23	Distemping two coats to walls with distemper of approved shade on new work to given an even shade	190.81	sqm	69.89	13336.26
24	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	113.827	sqm	53.35	6073.15
25	Add cost of PVC Door (Toilet) LS	1		3500	3500.00
26	Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On LS				30000.00
27	Add for fitting and fixing Toilet ( Latrin pan with exhaust ), Bath room fitting ,wash basin , kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on LS				48000.00
				<b>Total</b>	<b>1040344.55</b>
				<b>Add GST -18%</b>	<b>187262.02</b>
				<b>Total</b>	<b>1227606.57</b>
				<b>or say Grand Total</b>	<b>1204000.00</b>

(Rupees Twelve Lakh Four Thousand) only

  
**Forest Range Officer**  
**Khallikote Range**

## Detailed item wise Estimate for Construction of Forest Guard Quater at K.Barida of Mundula Beat of Khallikote Range

CIVIL WORKS OF THE BUILDING Ground Floor			Quantity of work volume/Area/Wt.					
Sl. No	Description of Item	No.	Length (in ft)	Breadth (in ft)	Height (in ft)	Quantity	Unit	Amount (in Rs.)

- 1 Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.

**Foundation Trench**

Column	11	4.00	4.00	5.00	880.000 Cft
Long wall	3	25.50	2.00	3.00	459.000 Cft
	1	11.66	2.00	3.00	69.960 Cft
Cross wall	3	9.00	2.00	3.00	162.000 Cft
	4	6.00	2.00	3.00	144.000 Cft
	2	9.00	2.00	3.00	108.000 Cft
Step( Verandah)	1	10.00	4.00	1.00	40.000 Cft
Step( Office)	1	5.00	4.00	1.00	20.000 Cft
Deduction Column	-11	2.00	2.00	3.00	-132.000 Cft
				Total or Say	1750.960 Cft 49.582 Cum
@	Rs		153.88 /cum		Rs 7629.40

- 2 Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.

**Foundation Trench**

Column	11	4.00	4.00	0.50	88.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft
	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step( Verandah)	1	10.00	4.00	0.50	20.000 Cft
Step( Office)	1	5.00	4.00	0.50	10.000 Cft
<b>Plinth Filling</b>					
M.Bed Room	1	10.66	10.00	2.50	266.500 Cft
Drawing Room	1	8.33	10.00	2.50	208.250 Cft
Verandah	1	4.00	10.00	2.50	100.000 Cft
Kitchen Room	1	8.00	7.08	2.50	141.600 Cft
Dinning Room	1	8.92	7.08	2.50	157.884 Cft
Toilet	1	5.25	7.08	2.50	92.925 Cft
Office Room	1	10.00	10.00	2.50	250.000 Cft
Deductio Column	-11	2.00	2.00	0.50	-22.000 Cft
				Total or Say	1470.319 Cft 41.635 Cum
@	Rs		325.97 /cum		Rs 13571.51

- 3 Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.

**Foundation Trench**

Column	11	4.00	4.00	0.50	88.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft

	4	6.00	2.00	0.50	24.000 Cft		
	2	9.00	2.00	0.50	18.000 Cft		
Step ( Verandah)	1	10.00	4.00	0.33	13.200 Cft		
Step( Office)	1	5.00	4.00	0.33	6.600 Cft		
<b>Inside Room Flooring</b>							
M.Bed Room	1	10.66	10.00	0.50	53.300 Cft		
Drawing Room	1	8.33	10.00	0.50	41.650 Cft		
Verandah	1	4.00	10.00	0.50	20.000 Cft		
Kitchen Room	1	8.00	7.08	0.50	28.320 Cft		
Dinning Room	1	8.92	7.08	0.50	31.577 Cft		
Toilet	1	5.25	7.08	0.50	18.585 Cft		
Office Room	1	10.00	10.00	0.50	50.000 Cft		
Deductio Column	-11	0.83	0.83	0.50	-3.789 Cft		
				Total	504.603 Cft		
				or Say	14.289 Cum		
@	Rs		4,224.25	/cum		Rs	60359.27

4 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

i)Column base	11	3.50	3.50	0.83	111.843		
column footing		$V=1/3(A1+A2+\sqrt{A1XA2})$					
	11	$H \quad 1/3((0.83X0.83)+(3.5X3.5) +\sqrt{((0.83X0.83)x(3.5X3.5))})$			1.00	58.090	
ii)Column	11	0.75	0.75	15.34	94.916		
<b>iii)Ground Beam</b>							
	3	25.50	0.83	0.83	52.701 Cft		
	1	11.66	0.83	0.83	8.033 Cft		
	3	9.00	0.83	0.83	18.600 Cft		
	4	6.00	0.83	0.83	16.534 Cft		
	2	9.00	0.83	0.83	12.400 Cft		
Deduction column	-11	0.75	0.75	0.83	-5.136 Cft		
<b>iv) Plinth Beam</b>							
	3	25.50	0.83	0.75	47.621 Cft		
	1	11.66	0.83	0.75	7.258 Cft		
	3	9.00	0.83	0.75	16.808 Cft		
	4	6.00	0.83	0.75	14.940 Cft		
	2	9.00	0.83	0.75	11.205 Cft		
Deduction column	-11	0.75	0.75	0.75	-4.641 Cft		
<b>v) Lintel Band</b>							
	3	25.50	0.75	0.50	28.688 Cft		
	1	11.66	0.75	0.50	4.373 Cft		
	3	9.00	0.75	0.50	10.125 Cft		
	4	6.00	0.75	0.50	9.000 Cft		
	2	9.00	0.75	0.50	6.750 Cft		
Deduction column	-11	0.75	0.75	0.50	-3.094 Cft		
<b>vii) Chajja</b>							
verandah	1	10.00	2.00	0.25	5.000 Cft		
window	3	6.00	1.50	0.25	6.750 Cft		
	4	5.00	1.50	0.25	7.500 Cft		
kitchen plate	1	8.00	1.50	0.25	3.000 Cft		
	1	7.00	1.50	0.25	2.625 Cft		
<b>Inside Room</b>							
Bed Room	1	10.66	1.50	0.25	3.998 Cft		
	1	10.00	1.50	0.25	3.750 Cft		
Dinning Room	1	8.92	1.50	0.25	3.345 Cft		
Kitchen Room	1	8.00	1.50	0.25	3.000 Cft		



window	3	6.00	1.50	27.000 sqft	
	4	5.00	1.50	30.000 sqft	
kitchen plate	1	8.00	1.50	12.000 sqft	
	1	7.00	1.50	10.500 sqft	
Inside Room				0.000 sqft	
Bed Room	1	9.00	1.50	13.500 sqft	
	1	1.50	1.50	2.250 sqft	
Dinning Room	1	11.66	1.50	17.490 sqft	
Kitchen Room	1	8.00	1.50	12.000 sqft	
	1	7.00	1.50	10.500 sqft	
vii)(a) Roof slab					
Building including					
carnis 4"	1	25.83	19.91	514.275 sqft	
(b) Roof slab office					
Room including					
carnis 4"	1	11.16	11.66	130.126 sqft	
© Roof slab over					
Toilet (at Lintel level)	1	9.00	19.91	179.190 sqft	
				978.831 sqft	
				90.936 Sqm	
	@	Rs	457.80 /Sqm		Rs 41630.96
(d)(i) column	11	3.00	15.34	506.220 sqft	
			or Say	47.029 Sqm	
	@	Rs	786.20 /Sqm		Rs 36974.55

7 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work

Roof Slab Qtr	1	25.83	19.91	514.275 sqft	
Roof Slab Office	1	11.16	11.66	130.126 sqft	
Step( Verandah)	1	10.00	3.00	30.000 sqft	
Step( Office)	1	5.00	3.00	15.000 sqft	
				689.401 sqft	
				64.048 Sqm	
	@	Rs.	315.52 / Sqm		Rs 20208.49

8 First class Flyash brick masonry in C.M.(1:6) in foundation & plinth / superstructure including cost, conveyance , and royalty of all materials complete.

(Below Plinth-3.33 ft ,Above Plinth-9ft excluding RCC structure like Plinth and lintel beam)

<b>Superstructure</b>					
Long wall	3	25.50	0.75	12.33	707.434 Cft
	1	11.66	0.75	12.33	107.826 Cft
Cross wall	3	9.00	0.75	12.33	249.683 Cft
	4	6.00	0.75	12.33	221.940 Cft
	2	9.00	0.75	12.33	166.455 Cft
Step( Verandah)	1	10.00	3.00	0.83	24.900 Cft
	1	10.00	2.00	0.83	16.600 Cft
	1	10.00	1.00	0.83	8.300 Cft
Step( Office)	1	5.00	3.00	0.83	12.450 Cft
	1	5.00	2.00	0.83	8.300 Cft
	1	5.00	1.00	0.83	4.150 Cft
<b>Deduction</b>					
Column	-11	0.75	0.75	12.33	-76.292 Cft
Doors (D)	-5	3.00	0.75	6.50	-73.125 Cft
Doors (D2)	-1	2.75	0.75	6.50	-13.406 Cft
Windows (W)	-4	4.00	0.75	4.00	-48.000 Cft
Windows (W2)	-2	3.00	0.75	4.00	-18.000 Cft

Ventilator (Toilet)	-1	2.00	0.75	2.00	-3.000 Cft
Ventilators (Rooms)	-8	1.50	0.75	1.00	-9.000 Cft
				<u>Total</u>	<u>1287.214 Cft</u>
				or Say	36.450 Cum
@ Rs.		4,256.43		/ Cum	Rs 155146.13

9 16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost, conveyance, royalty etc. complete.

Inside plaster area

M. Bed Room	2	10.66		13.58	289.526 sqft
	2	10.00		13.58	271.600 sqft
Verandah	2	4.00		13.58	108.640 sqft
	1	10.00		13.58	135.800 sqft
Dining Hall	2	8.92		13.58	242.267 sqft
	2	7.08		13.58	192.293 sqft
Toilet	2	7.08		13.58	192.293 sqft
	2	5.25		13.58	142.590 sqft
Drawing Room	2	10.00		13.58	271.600 sqft
	2	8.33		13.58	226.243 sqft
Kitchen Room	2	8.00		13.58	217.280 sqft
	2	7.08		13.58	192.293 sqft
Office Room	2	10.00		13.58	271.600 sqft
	2	10.00		13.58	271.600 sqft
Step( Verandah)	2	10.00	1.25		24.900 sqft
	1	10.00		2.49	24.900 sqft
Step( Office)	2	5.00	1.25		12.450 sqft
	1	5.00		2.49	12.450 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-4	4.00		4.00	-64.000 Sqft
Windows (W2)	-2	3.00		4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>2892.949 Sqft</u>
				or Say	268.764 Sqm
@ Rs.		214.04		/ Sqm	Rs 57527.36

10 12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.

Outside plaster area

	2	25.50		13.58	692.580 sqft
	2	30.33		13.58	823.763 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-4	4.00		4.00	-64.000 Sqft
Windows (W2)	-2	3.00		4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>1308.968 sqft</u>
				or Say	121.607 Sqm
@ Rs.		149.69		/ Sqm	Rs 18203.76

11 Suppling, fitting and fixing of MS Grill made out of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all materials, labour, T&P etc Complete with all request

M.S Gril (Verandah Gril)	1	9.00	6.50		58.500 sqft
Window Grill	4	4.00	4.00		64.000 sqft
	2	3.00	4.00		24.000 sqft
Ventilator Grill	1	2.00	2.00		4.000 sqft
				<u>Total</u>	<u>150.500 sqft</u>

Weight		18.50 Kg/sqm		or Say	13.982 Sqm	
	@ Rs.	135.91	/kg	Total	258.666 Kg	Rs 35156.00
12 Manufacturing, Supplying, fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc. complete						
Window Grill		4	4.00	4.00	64.000 sqft	
		2	3.00	4.00	24.000 sqft	
Ventilator Grill		1	2.00	2.00	4.000 sqft	
				Total	92.000 sqft	
				or Say	8.547 Sqm	
Weight		15.50 Kg/sqm		Total	132.480 Kg	
	@ Rs.	135.91	/kg			Rs 18005.73
13 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.						
Doors Chaukath		5	16.00	0.33	0.25	6.60 cft
				Total	6.60 cft	
				or Say	0.187 Cum	
	@ Rs	53,938.45	/Cum			Rs 10080.62
14 32mm plasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks.						
Doors		5	6.25	2.75	85.94 sqft	
				Total	85.94 sqft	
				or Say	7.984 Sqm	
	@ Rs	1,638.19	/sqm			Rs 13079.10
15 Priming one coat with approved wood primer on new work of wood						
Doors Chaukath		5	16.00	1.16	92.80 sqft	
				Total	92.8 sqft	
				or Say	8.621 Sqm	
	@ Rs	53.50	/sqm			Rs 461.21
16 Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows						
same as Item No-11 & 12					22.53 sqm	
	@ Rs	53.28	/sqm			Rs 1200.24
17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows						
same as Item No-11 & 12					22.53 sqm	
	@ Rs	146.62	/sqm			Rs 3303.29
18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete						
same as Item No- 14					7.98 sqm	
	@ Rs	143.35	/sqm			Rs 1144.50
19 Supply, fitting ,fixing up Window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thinincludingck glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of material all taxes, labour etc. completed.						
Window Grill		4	4.00	4.00	64.000 sqft	
		2	3.00	4.00	24.000 sqft	
Ventilator Grill		1	2.00	2.00	4.000 sqft	
				Total	92.000 sqft	
				or Say	8.547 Sqm	

@ Rs. 6,077.36 /sqm

Rs 51943.74

- 20 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)with wall rise 0.25 ft with same material

M.Bed Room	1	10.91	10.25	111.828	sqft
Drawing Room	1	8.58	10.25	87.945	sqft
Verandah	1	4.25	10.25	43.563	sqft
Kitchen Room	1	8.25	7.33	60.473	sqft
Dinning Room	1	9.17	7.08	64.924	sqft
Office Room	1	10.25	10.25	105.063	sqft
				473.794	sqft
				44.017	Sqm
@ Rs.		1,428.49	/sqm		Rs 62877.92

- 21 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete.

Toilet	2	7.08	6.00	84.960	sqft
	2	5.25	6.00	63.000	sqft
Deduction					
Kitchen	1	8.00	3.50	28.000	sqft
	1	7.00	3.50	24.500	sqft
				200.460	sqft
				18.623	Sqm
@ Rs.		1,146.86	/sqm		Rs 21358.38

- 22 Priming one coat with approved primer over the plastered wall surface

Outside plaster area.

	2	25.50	12.47	635.970	sqft
	2	30.33	12.47	756.430	sqft

Inner Plastering area

M.Bed Room	2	10.66	9.50	202.540	sqft
	2	10.00	9.50	190.000	sqft
Verandah	2	4.00	9.50	76.000	sqft
	1	10.00	9.50	95.000	sqft
Dining Hall	2	8.92	9.50	169.480	sqft
	2	7.08	9.50	134.520	sqft
Toilet	2	7.08	4.00	56.640	sqft
	2	5.25	4.00	42.000	sqft
Drawing Room	2	10.00	9.50	190.000	sqft
	2	8.33	9.50	158.270	sqft
Kitchen Room	2	8.00	9.50	152.000	sqft
	2	7.08	9.50	134.520	sqft
Office Room	2	10.00	9.50	190.000	sqft
	2	10.00	9.50	190.000	sqft

Roof ceiling

Bed Room	1	10.66	10.00		
Verandah	1	4.00	10.00	40.000	sqft
Dining Hall	1	8.92	7.08	63.154	sqft
Toilet	1	7.08	5.25	37.170	sqft
Drawing Room	1	10.00	8.33	83.300	sqft
Kitchen Room	1	8.00	7.08	56.640	sqft
Office Room	1	10.00	9.50	95.000	sqft
Deduction both outer & inner					
Doors (D)	-10	3.00	6.50	-195.000	Sqft
Doors (D2)	-2	2.75	6.50	-35.750	Sqft

Windows (W)	-8	4.00	4.00	-128.000 Sqft
Windows (W2)	-4	3.00	4.00	-48.000 Sqft
Ventilator (Toilet)	-2	2.00	2.00	-8.000 Sqft
				<u>3333.884 Sqft</u>
			or Say	309.728 Sqm

@ Rs. 66.08 /sqm Rs 20466.65

23 Distemping two coats to walls with distemper of approved shade on new work to given an even shade

M.Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft

Deduction

Doors (D)	-5	3.00	6.50	-97.500 Sqft
Doors (D2)	-1	2.75	6.50	-17.875 Sqft
Windows (W)	-4	4.00	4.00	-64.000 Sqft
Windows (W2)	-2	3.00	4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft

Total 2053.86 sqft  
or Say 190.810 Sqm

@ Rs. 69.89 /sqm Rs 13336.26

24 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

Outside plaster area

	2	25.50	12.83	654.330 sqft
	2	30.33	12.83	778.268 sqft

Deduction

Doors (D)	-5	3.00	6.50	-97.500 Sqft
Doors (D2)	-1	2.75	6.50	-17.875 Sqft
Windows (W)	-4	4.00	4.00	-64.000 Sqft
Windows (W2)	-2	3.00	4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft

1225.223 sqft

or Say 113.827 Sqm

@ Rs. 53.35 /sqm Rs 6073.15

25 Add cost of PVC Door (Toilet) on L.S	1 no	3500 L.S	Rs	3500.00
26 Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On L.S		L.S		30000.00
27 Add for fitting and fixing Toilet ( Latrin pan with exhust ), Bath room fitting ,wash basin , kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on L.S		L.S	Rs	48000.00
		<b>Total</b>		<u>1040344.55</u>
28 Add GST -18%				<u>187262.02</u>
		Grand Total	Rs	<u>1227606.57</u>
		Limited to	Rs	<u>1204000.00</u>

*(Rupees Twelve Lakh Four Thousand) only*

  
 Forest Range Officer  
 Khallikote Range

**Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.**

  
 Forest Range Officer  
 Khallikote Range

## Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing , breaking clods and laying in layer and leveling bed etc complete				
	<b>As per A/R, item-2(a),page-1</b>				
	Mulia	32 nos @	Rs	345.00	11040.00
	Total				11040.00
	Add 20% extra towards excavation of foundation				2208.00
					13248.00
	Add 15% for O.H Charges and Contractors profit				1987.20
			Total	Rs	15235.20 / 100 Cum
				Rs	152.35 /cum
	Labour Cess 1%			Rs	1.52
			<b>Total</b>	Rs	<b>153.88 /cum</b>
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	<b>As per A/R, item-15,page-8</b>				
	Data for 100 cum				
	Sand	100.00 Cum@	Rs	53.33	5333.00
	Mulia	12.36 nos @	Rs	345.00	4264.20
	Total				9597.20
	Carriage & royalty of sand	100.00 Cum@	Rs	184.67	18467.00
				Rs	28064.20 /100 cum
	Add 15% for O.H Charges and Contractors profit			Rs	4209.63
			Total	Rs	32273.83 /100 cum
			Per Cum		322.74 /cum
	Labour Cess 1%			Rs	3.23
			<b>Total</b>	Rs	<b>325.97 /cum</b>
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting , lowering and laying in layers not exceedind 15 cm thick to the required level , ramming watering and curing etc complete including all cost , conveyance, taxes and royalties. of all materials complete.				
	<b>As per A/R, item-4,page-43</b>				
	HG metal 40m size	0.96 Cum@	Rs	752.38	722.28
	Sand	0.48 Cum@	Rs	56.19	26.97
	Cement	1.72 Qntl@	Rs	630.00	1083.60
	Mason 2nd Class	0.18 nos @	Rs	435.00	78.30
	Mulia	3.9 nos @	Rs	345.00	1345.50
	Total				3256.66
	Carrage & Royalty of metal	0.96 Cum@	Rs	279.67	268.48
	Carrage & Royalty of sand	0.48 Cum@	Rs	184.67	88.64
	Carrige of cement	1.72 Qntl@	Rs	16.17	27.81
			Total		3641.59
	Add 15% for O.H Charges and Contractors profit			Rs	546.24
	Labour Cess 1%			Rs	36.42
			<b>Total</b>	Rs	<b>4224.25 /cum</b>
4	R.R.H.G. Stone masonry in cement mortar (1:6) in foundation & plinth including cost, conveyance , and royalty of all materials complete.				
	<b>As per A/R, item-3 ,page-75</b>				
	Rough Stone grinte	1.00 Cum@	Rs	129.92	129.92

Sand	0.34 Cum@ Rs	56.19	19.10
Cement	0.8151 Qntl@ Rs	630.00	513.51
Mason 1st class	0.35 nos @ Rs	495.00	173.25
Mason 2nd class	1.41 nos @ Rs	435.00	613.35
Mulla	3.17 nos @ Rs	345.00	1093.65
Total			2542.79
Carriage & royalty of stone	1.00 Cum@ Rs	279.67	279.67
Carriage & royalty of sand	0.34 Cum@ Rs	184.67	62.79
Carriage of cement	0.8151 Qntl@ Rs	16.17	13.18
Total	/ cum	Rs	2898.43 / cum
Add 15% for O.H Charges and Contractors profit		Rs	434.76
Labour Cess 1%		Rs	28.98
<b>Rate per one Cum</b>		Rs	<b>3362.17 / cum</b>

- 5 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

As per A/R, item-3, page-71

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	3.404	1361.70
sand	0.28 Cum@ Rs	56.19	15.73
Cement	0.672 Qntl@ Rs	630.00	423.36
mason 1st class	0.35 nos @ Rs	495.00	173.25
mason 2nd class	1.05 nos @ Rs	435.00	456.75
Mulla	2.96 nos @ Rs	345.00	1021.20
Total per one cum			3452.00
Carriage & royalty of sand	0.28 Cum@ Rs	184.67	51.71
Carriage of Cement	0.672 Qntl@ Rs	16.17	10.87
Carriage of bricks	400 nos (1 cum)@ Rs	0.38691	154.76
Total		Rs	3669.34
Add 15% for O.H Charges and Contractors profit		Rs	550.40
Labour Cess 1%		Rs	36.69
<b>For foundation ,Plinth &amp; Super structure</b>		Rs	<b>4256.43 / cum</b>

- 6 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

As per A/R, item-4, page-50

Data for 15 Cum

<b>Material</b>			
HG chips 20 mm size	8.10 Cum@ Rs	1092.38	8848.28
HG chips 10mm size	5.40 Cum@ Rs	1194.29	6449.17
Sand	6.75 Cum@ Rs	56.19	379.28
Cement	52.10 Qntl@ Rs	630.00	32823.00
<b>Labour</b>			
Mate	0.86 nos @ Rs	385.00	331.10
Mason 2nd class	1.5 nos @ Rs	435.00	652.50
Man mulla	20 nos @ Rs	345.00	6900.00
<b>Machinery</b>			
Concrete mixture	6 hour	177.00	1062.00
Generator 33 KVA	6 hour	240.00	1440.00
			58885.33
<b>Conveyance &amp; royalty</b>			
20 mm size chips	8.1 Cum@ Rs	279.67	2265.33
10 mm size chips	5.4 Cum@ Rs	279.67	1510.22
Sand	6.75 Cum@ Rs	184.67	1246.52
cement	52.1 Qntl@ Rs	16.17	842.46
Total	per 15 cum	Rs	64749.85
	Per 1 cum	Rs	4316.66 / cum

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 647.50  
Rs 43.17  
Rs **5007.32 /cum**

**Rate for Ground Floor**

7 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

**As per A/R, item-9, page-52**

Data for 1.0 MT

**A) Material cost**

HYSD bar including 5%  
overlap and wastage

1.05 MT 64500.00 67725.00

Binding wire

8.00 Kg 67.23 537.84

**B) Labour**

Mate

0.44 nos @ Rs 385.00 169.40

Black smith Spl

3 nos @ Rs 495.00 1485.00

Mulia

8 nos @ Rs 345.00 2760.00

carriage of Steel

1.05 MT @Rs 161.72 169.81

Total

72847.05 / MT

Add 15% for O.H Charges and

Contractors profit

Rs 10927.06

Labour Cess 1%

Rs 728.47

**Total**

84502.57 / MT

**Rate for Ground floor**

Rs **7284.70 /Qntd**

8 Rigid smooth centering & shuttering for RCC works including false work and dismantling then after casting including cost of all materials

**As per A/R, item-10, page-53**

**(i) For RCC foundation, plinth band, footings, base of columns mass concrete**

25 mm thick non-sal planks

0.267 cum @ Rs 17261.41 4608.80

10.66 sqm for 0.267 cum

Non - sal bullah 80 mm dia. for  
suttering

12.60 m @ Rs 43.15 543.69

Convey of wood

0.3284 cum @ Rs 129.37 42.49

Total

5194.97

Considering the materials to be  
used for 10 times

For once use

519.50

Carpenter( 2nd class)

0.50 nos @ Rs 435.00 217.50

S.S Mulia

0.50 nos @ Rs 385.00 192.50

For 10 Sqm

Total 929.50

For one Sqm

92.95

Total

Rs 92.95 sqm

Add 15% for O.H Charges and

Contractors profit

Rs 13.94

Labour Cess 1%

Rs 0.93

**Ground floor Rate per one  
sqm**

Rs **107.82 sqm**

**(ii) For RCC Lintel band Details for 7.8 sqm.**

38 mm thick non-sal planks

0.413 cum @ Rs 17261.41 7128.96

10.87 sqm for 0.413 cum

120 mm dia Non-Sal bullah

21.00 mt @ Rs 67.22 1411.62

Carriage of wood

0.689 cum @ Rs 129.37 89.14

Total 8629.72

Considering the materials to be  
used for 10 times

For once use

8629.72 /10 862.97

Carpenter 2nd class

1.25 nos @ Rs 435.00 543.75

SS Mulia

1.25 nos @ Rs 385.00 481.25

Cost of nails

30.00

1917.97

Total for 7.80 sqm				1917.97
Total				245.89 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	36.88
Labour Cess 1%			Rs	2.46 /sqm

**Ground floor Rate per one sqm** Rs 285.24 /sqm

**(iii) For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajias upto**

Non-sal Wood scanting	0.112	cum @ Rs	17261.41	1933.28
Plank 38 mm	0.34	cum @ Rs	17261.41	5868.88
120 mm dia -Sal bullah	56.00	m @ Rs	89.63	5019.28
Carriage of wood	1.142	cum @ Rs	129.37	147.74
				<u>12969.18</u>

Considering the materials to be used for 10 times

For once use	12969.18	/10		1296.92
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75
Total				<u>3551.92</u>
Total / 9 sqm				394.66
				394.66 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	59.20
Rs	3.95

**Ground floor Rate per one sqm**

Rs 457.80 /sqm

**(iv) For RCC beams, Column, girder and bressmer, etc Data for 4.20 sqm.**

38 mm thick non-sal planks				
5.73 sqm for 0.218 cum	0.218	cum @ Rs	17261.41	3762.99
120 mm dia Sal bullah	15.20	m @ Rs	89.63	1362.38
80 mm dia non-sal bullah for brassing	8.00	m @ Rs	53.94	431.52
Carriage of wood	0.456	cum @ Rs	129.37	58.99
				<u>5615.88</u>

Considering the materials to be used for 10 times

For once use	5615.88	/10		561.59
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75
Cost of nails LS				30.00
Total / 4.2 sqm			Total	<u>2846.59</u>
Total / sqm				677.76
				677.76 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	101.66
Rs	6.78

**Ground floor Rate per one sqm**

Rs 786.20 /sqm

C.C.(1:2:4) with 12 mm hard broken granite chips for CC works including cost, conveyance and

9 royalty of all materials complete.

**As per A/R, item-7, page-44**

HG chips 12 mm size	0.9	cum @	Rs	1128.57	1015.71
Sand	0.45	cum @	Rs	56.19	25.29
Cement	3.23	qntl @ Rs		690.48	2230.25
Mason 2nd class	0.68	nos @Rs		435.00	295.80
Man Mulia	4.6	nos @Rs		345.00	1587.00
Total			Rs	<u>3489.28</u>	
Carriage & royalty of chips	0.9	cum @	Rs	279.67	251.70
Carriage & royalty of sand	0.45	cum @	Rs	184.67	83.10
Carriage of cement	4.29	qntl @ Rs		16.17	69.37

Total	per cum	Rs	3788.32 / cum
Add 15% for O.H Charges and Contractors profit		Rs	568.25
Labour Cess 1%		Rs	37.88
<b>Ground floor Rate per one cum</b>		Rs	<b>4394.45 /cum</b>

- 10 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work

HG chips 4.7 mm size	0.0169 Cum@ Rs	690.48	11.67
Sand	0.0169 Cum@ Rs	43.15	0.73
Cement	0.1208 Qntl@ Rs	630.00	76.10
Mason 1stclass	0.10 nos @ Rs	495.00	49.50
Mulia	0.36 nos @ Rs	345.00	124.20
Total			262.202347
Carriage & royalty of chips	0.0169 Cum@ Rs	279.67	4.73
Carriage & royalty of sand	0.0169 Cum@ Rs	184.67	3.12
Carriage of cement	0.1208 Qntl@ Rs	16.17	1.95
Rate for Ground floor		Total	Rs 272.00 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	40.80
Labour Cess 1%		Rs	2.72
<b>Ground floor Rate per one sqm</b>		Rs	<b>315.52 /sqm</b>

- 11 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.

**As per A/R, item-4, page-103**

Sand	0.015 Cum@ Rs	56.19	0.84
Cement	0.0358 Qntl@ Rs	630.00	22.55
Mason 2nd class	0.14 nos @ Rs	435.00	60.90
Mulia	0.12 nos @ Rs	345.00	41.40
Total			125.70
Carriage & royalty of sand	0.015 Cum@ Rs	184.67	2.77
Carriage of cement	0.0358 Qntl@ Rs	16.17	0.58
			129.05
		Total	Rs 129.05 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	19.36
Labour Cess 1%		Rs	1.29
<b>Ground floor Rate per one sqm</b>		Rs	<b>149.69 /sqm</b>

- 12 16 mm thick cement plastering (1:6) over brick or stone wall including cost, conveyance, royalty etc. complete.

**As per A/R, item-14, page-105**

Sand	0.018 Cum@ Rs	56.19	1.01
Cement	0.043 Qntl@ Rs	630.00	27.09
Mason 2nd class	0.16 nos @ Rs	435.00	69.60
Mulia	0.24 nos @ Rs	345.00	82.80
Total		Rs	180.50
Carriage & royalty of sand	0.018 Cum@ Rs	184.67	3.32
Carriage of cement	0.043 Qntl@ Rs	16.17	0.70
		Total	184.52
		Total	Rs 184.52 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	27.68
Labour Cess 1%		Rs	1.85

**Ground floor Rate per one sqm**

Rs **214.04** /sqm

13. Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

**As per A/R, item- 4, page- 225**

For 1 qntl.

Data for 0.508 qntl.

**Labour**

Black Smith(Special)	0.75 nos @ Rs	495.00	371.25
Black Smith(Second class)	1.00 nos @ Rs	435.00	435.00
Fitter(Special)	1.00 nos @ Rs	495.00	495.50
Fitter(Second class)	1.00 nos @ Rs	435.00	435.44
Helper to Blacksmith	1.00 nos @ Rs	385.00	385.39
Man mulia	3.25 nos @ Rs	345.00	1121.25

Total Rs 3243.82

Rs 3243.82

Rate per qntl.(M.S Angle/ sheet)

Rs 6385.46 /qntl

Rate per Kg.(Labour)

Rs 63.85 /Kg.

Cost of M.S Angle/ sheet( with Transportation ,Loading & unloading)

Rs 53.31 /Kg.

Total Rs 117.17 /Kg.

Add 15% for O.H Charges and

Contractors profit

Rs 17.57

Labour Cess 1%

Rs 1.17

**Ground floorRate per Kg**

Rs **135.91** /Kg

- 14 Distemperring two coats to walls with distemper of approved shade on new work to given an even shade including cost of distemper

**As per A/R, item-22, page- 99**

Data for 10 sqm

cost of Distemper	2.5 Kg @Rs	52.49	131.23
Painter (special)	0.52 nos @ Rs	495.00	257.40
Mulia	0.62 nos @ Rs	345.00	213.90
Total			602.53

Total Rs 602.53

602.53 /10sqm

Per one sqm

60.25 /sqm

Rate per one sqm

Rs 60.25 / sqm

Add 15% for O.H Charges and

Contractors profit

Rs 9.04

Labour Cess 1%

Rs 0.60

**Ground floor Rate per one sqm**

Rs **69.89** /sqm

- 15 Priming one coat with approved primer on new work of wood Data for 9.30 sqm

**As per A/R, item-1 ,page-93**

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
Sundries, brushes, soap & puttles 2%			0.00
			420.00

Cost Primer

0.075 Ltr @ Rs

118.52

8.89

Total

Rs 428.89 /sqm

Rate per one sqm

Rs 46.12 /sqm

Add 15% for O.H Charges and

Contractors profit

Rs 6.92

Labour Cess 1%

Rs 0.46

**Ground floor Rate per one sqm**

Rs **53.50** /sqm

16 Priming( Red oxide) one coat with approved primer on new work Data for 9.30 sqm

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
			<u>420.00</u>
Cost Red oxide	0.070 Ltr @ Rs	102.09	7.12
	Rate/9.30 sqm.	Rs	427.12
	Rate per one sqm	Rs	45.93 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	6.89
Labour Cess 1%		Rs	0.46
<b>Ground floor Rate per one sqm</b>		Rs	<b>53.28 /sqm</b>

17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of iron Data for 9.30 sqm.

As per A/R, item-3 ,page-93

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		<u>998.25</u>
	For one sqm		<u>107.34</u>
<u>Cost of Material for 10 sqm</u>			
Enamel paint for two coats	1.25 Ltr @ Rs	152.49	190.61
	Total/sqm	Rs	<u>19.06</u>
Rate per one sqm(( Material + Labour)	Total/ Sqm	Rs	126.40 / sqm
	Total		126.40 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	18.96
Labour Cess 1%		Rs	1.26
<b>Ground floor Rate per one sqm</b>		Rs	<b>146.62 /sqm</b>

18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows Data for 9.30 sqm.

As per A/R, item-3 ,page-93

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		<u>998.25</u>
	For one sqm		<u>107.34</u>
<u>Cost of Material for 10 sqm</u>			
Enamel paint for two coats	1.25 Ltr @ Rs	129.92	162.40
	Total/sqm	Rs	<u>16.24</u>
Rate per one sqm(( Material + Labour)	Total/ Sqm	Rs	<u>123.58 / sqm</u>
2% Sundries, brushes, putty etc. (Lab)	Total	Rs	0.00
			123.58 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	18.54
Labour Cess 1%		Rs	1.24
<b>Ground floor Rate per one sqm</b>		Rs	<b>143.35 /sqm</b>

19 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

A) Primer one coat (Data for 9.30 sqm)

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50

Sundries, brushes, soap & putties 2%			0.00
			<u>420.00</u>
Cost wall Primer (water bound)	0.781 Ltr @ Rs	140.52	109.77
Rate per one sqm	Rate per 9.3 Sqm	Rs	529.77 /sqm
Add 15% for O.H Charges and Contractors profit	Total (A)	Rs	56.96 /sqm
Labour Cess 1%		Rs	8.54
		Rs	0.57
<b>Ground floor Rate per one sqm</b>		Rs	<b>66.08 /sqm</b>

**B) Painting two coat (Data for 10.0 sqm)**  
As per A/R, item-18 ,page-98

Painter special	0.22 nos @ Rs	495.00	108.90
Mulia	0.32 nos @ Rs	345.00	110.40
Sundries, brushes, soap & putties 2%			0.00
			<u>219.30</u>
Cost of Material for 10 sqm weather coat Paint for two coats	1.25 Ltr @ Rs	192.52	240.65
	Total/10 sqm	Rs	<u>459.95</u>
Rate per one sqm(( Material + Labour)	Total/ Sqm	Rs	46.00 /sqm
	Total (B)		46.00 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	6.90
Labour Cess 1%		Rs	0.46
<b>Ground floor Rate per one sqm</b>		Rs	<b>53.35 /sqm</b>
<b>Rate for Ground Floor</b>	<b>G.Total (A+B)</b>		<b>119.43 /sqm</b>

**20 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors, windows, ventilators and beam.**

As per A/R, item-2 ,page-132

Data for 0.028 cum sal wood scantling sawn	0.028 Cum @ Rs	31498.66	881.96
carpenter special	0.5 nos @ Rs	495.00	247.50
Man Mulia	0.5 nos @ Rs	345.00	172.50
	for 0.028 Cum	Rs	1301.96
	for 1 Cum	Rs	46498.66
Rate for Ground Floor	Total	Rs	46498.66 / Cum
Add 15% for O.H Charges and Contractors profit		Rs	6974.80
Labour Cess 1%		Rs	464.99
<b>Ground floor Rate per one cum</b>		Rs	<b>53938.45 /cum</b>

**21 32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings**

Per 1Sqm

Data for a doors 1.07m x 2.13m

**a) Material**

Area of shutters 0.94 × 2.0m = 1.88sqm

i) Piasal wood planks for shutters 2.08 sqm or 0.06656 Cum	2.08 sqm or 0.06656 Cum Supplied by Department		
ii) Wooden hinged cleats	2 nos @ Rs	57.5	115.00
<b>b) Labour</b>			
Labour for making shutters			
(I) Carpenter Special 2 Nos	2 nos @ Rs	495.00	990.00
(ii) Helper 2 Nos.	2 nos @ Rs	385.00	770.00
Labour for fixing shutters			
Carpenter 2nd class	1 nos @ Rs	435.00	435.00
Man mulia	1 nos @ Rs	345.00	345.00
		Rs	2655.00
Add 15% for O.H Charges and Contractors profit		Rs	398.25
Labour Cess 1%		Rs	26.55
		Rs	3079.8 / 1.88 sqm
<b>Ground floor Rate per one sqm</b>		Rs	1638.191 /sqm

- 22 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 jointed with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)

As per A/R, Item- 16, page- 89

Detailed for 10 sqm

7mm to 8mm thick vitrified floor tiles (60 x60)cm size

	10 sqm @ Rs	586.92	5869.20
Sand	0.13 Cum@ Rs	56.19	7.30
Cement	1.875 Qntl@ Rs	630.00	1181.25
Cement for slurry st the rate of 4.4 Kg/ sqm	0.44 Qntl@ Rs	630.00	277.20
Cement for grouting	0.44 Qntl@ Rs	630.00	277.20
Mason spl class	2.16 nos @ Rs	495.00	1069.20
SS mulia or rubbing mulia	5.50 nos @ Rs	385.00	2117.50
Mulia	2.16 nos @ Rs	345.00	745.20

	Total	per 10 sqm	Total	11544.05
Rate per one sqmt			Total	1154.41 /sqm
Carriage & royalty of sand	0.13 Cum@ Rs		184.67	24.01
Carriage of cement	2.755 Qntl@ Rs		16.17	44.55
Total		/sqm	Rs	1222.96 /sqm
Wax polishing				8.50 /sqm
Rate per sqm			Rs	1231.46 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	184.72
Labour Cess 1%			Rs	12.31

**Ground floor Rate per one sqm** Rs **1428.49** /sqm

- 23 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete.

As per A/R, item- 17, page- 90

6.5mm to 6.7 mm Ceramic tiles( 20x20)cm

	10 sqm @ Rs	277.17	2771.70
Sand	0.15 Cum@ Rs	56.19	8.43
Cement	0.715 Qntl@ Rs	630.00	450.45
Cement slurry 4.40Kg/sqmt	0.66 Qntl@ Rs	630.00	415.80
Mason spl	3.25 each @ Rs	495.00	1608.75
Mulia	3.25 each @ Rs	345.00	1121.25
Semi- skilled mulia for rubbing	7.6 each @ Rs	385.00	2926.00

	Total	per 10 sqm	Rs	9302.38
Rate per one sqmt			Total	930.24 /sqm
Overhead Charges @ 10%				0.00
Carriage & royalty of sand		0.15 Cum@ Rs	184.67	27.70
carriage of cement		1.375 Qntl@ Rs	16.17	22.23
			Rs	980.17 /sqm
Wax ploishing				8.50 /sqm
Rate per sqm			Rs	988.67 /sqm
Add 15% for O.H Charges and				
Contractors profit			Rs	148.30
Labour Cess 1%			Rs	9.89
<b>Ground floor Rate per one sqm</b>			Rs	<b>1146.86 /sqm</b>

- 24 Supply, fitting, fixing up Window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thin including glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes, labour etc. completed.

As per A/R, item-7 ,page-240

Data for 4'-0" X 4'-0" = 16sqft or , 1.49 sqm

**(a) Materials**

Aluminum Sec. No- 151-154	2.44 mt@ 0.875 kg/m = 2.13 Kg
Top & Bottam Sec. No- 151-155	2.44 mt@ 0.765 kg/m = 1.87 Kg
Inter Lock Sec No - 151-153	2.44 mt@ 0.492 kg/m = 1.20 Kg
Aluminum Sec. No- 151-152	2.44 mt@ 0.465kg/m = 1.13 Kg
H- Section No- 151-167	2.44 mt@ 0.587 kg/m = 1.43 Kg

Total = 7.76 Kg

Wastage 10% = 0.77 kg

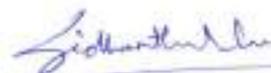
Aluminum section	8.53	Kg @	Rs	226.37	1930.9361
PVC plug		8 nos @	Rs	1.50	12.00
Al. screws of different size	LS				30.00
U rubber beading		9.75 mt @	Rs	7.00	68.25
5 mm thick black glass		1.493 sqm			
westage 10%		0.15 sqm			
		1.64 sqm @	Rs	553.59	907.88
Al. wheel runner		8 no. @	Rs	25.00	200.00
Handle with lock		2 no. @	Rs	40.00	80.00
Hire charges of drills machine		1 day @	Rs	100.00	100.00

**(b) Labour**

Carpenter 1st class	5.33 no			495.00	2638.35
Mulia	5.33 no			345.00	1838.85
		Rate /1.49 sqm			7806.27
		Rate /sqm			5239.10 /Sqm
Add 15% for O.H Charges and					
Contractors profit				Rs	785.87
Labour Cess 1%				Rs	52.39

**Ground floor Rate per one sqm**

Rs **6077.36 /sqm**



Forest Range Officer  
Khallikote Range

### Lead Statement of Materials (Post GST)

Sr. No	Items	2	3	4	5	6	7	8	9	10	11	12	13
		Location	Unit	Basic Cost of materials post GST	Distance in K.M	Initial lead upto 5 Km in Rs	Extra lead to 50 Km	Extra lead beyond 50 Km	Conveyance [7+8+9]	Royalty	Conveyance + Royalty	Total	
1													
1	Ply ash bricks (23 cmx11cmx8cm)	Local	1000 Nos	3404.26	5	386.91	0.00	0.00	386.91	0.00	386.91	3791.17	
2	Filling Sand	Local	cum	53.33	5	149.67	0.00	0.00	149.67	35.00	184.67	238.00	
3	Sand for Mortar	Local	cum	56.19	5	149.67	0.00	0.00	149.67	35.00	184.67	240.86	
4	French Polish	Local	lit	129.92	5	0	0.00	0.00	0.00	0.00	0	129.92	
5	40 mm CB Metal	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05	
6	20 mm CB Chips	Local	cum	1092.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1372.05	
7	12 mm CB Chips	Local	cum	1128.57	5	149.67	0.00	0.00	149.67	130.00	279.67	1408.24	
8	10 mm CB Chips	Local	cum	1194.29	5	149.67	0.00	0.00	149.67	130.00	279.67	1473.96	
9	6.7 mm CB Chips	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05	
10	4.7 mm CB Chips	Local	cum	690.48	5	149.67	0.00	0.00	149.67	130.00	279.67	970.15	
11	Cement -43 grade	Local	Quintel	630.00	5	161.72	0.00	0.00	161.72	0.00	161.72	646.17	
12	HYSD Steel	Local	Tonne	64500	5	161.72	0.00	0.00	161.72	0.00	161.72	64661.72	
13	Blinding Wire	Local	Kg	67.23	5	0.16	0.00	0.00	0.16	0.00	0.16	67.39	
14	75-120 mm dia Sal bullah x5.5 long	Local	Rmt	89.63	5	0	0.00	0.00	0.00	0.00	0	89.63	
15	150-200 mm dia Sal bullah x5.5 long	Local	Rmt	98.76	5	7.31	0.00	0.00	7.31	0.00	7.31	106.07	
16	75 mm dia Non Sal bullah	Local	Rmt	43.15	5	0	0.00	0.00	0.00	0.00	0	43.15	
17	100 mm dia Non Sal bullah	Local	Rmt	53.94	5	0	0.00	0.00	0.00	0.00	0	53.94	
18	125 mm dia Non Sal bullah	Local	Rmt	67.22	5	0	0.00	0.00	0.00	0.00	0	67.22	
19	150-200 mm dia Non Sal bullah	Local	Rmt	83.82	5	0	0.00	0.00	0.00	0.00	0	83.82	
20	Seasoned Sal/Wood beam of CS area not less than 150 Sq.cm & least lateral dimension 100 mm & above 2.75 m. long	Local	cum	31369.29	5	129.37	0.00	0.00	129.37	0.00	129.37	31498.66	
21	Non Sal Wood Scantling & plants (Teetra, Kasi,Gambhari,Kuruma)	Local	cum	17261.41	5	129.37	0.00	0.00	129.37	0.00	129.37	17390.78	
22	Non Sal respers	Local	cum	11452.28	5	129.37	0.00	0.00	129.37	0.00	129.37	11581.65	
23	Ceramic wall tiles (20 cmx30 cm)/(20 cmx 20cm) plain/printed having thickness 6.5mm to 6.7mm	Local	Sqm.	277.17	5	5.37	9.90	0.00	15.27	0.00	15.27	292.44	
24	Ceramic floor tiles (30 cmx30 cm)/(40 cmx 40cm) plain/printed having thickness 7 mm to 8 mm	Local	Sqm.	314.96	5	5.37	9.90	0.00	15.27	0.00	15.27	330.23	
25	Vertified polished floor tile 600mmx600mm plain (Ivory) having thickness 8mm to 1.0 mm	Local	Sqm.	476.38	5	5.37	9.90	0.00	15.27	0.00	15.27	491.65	

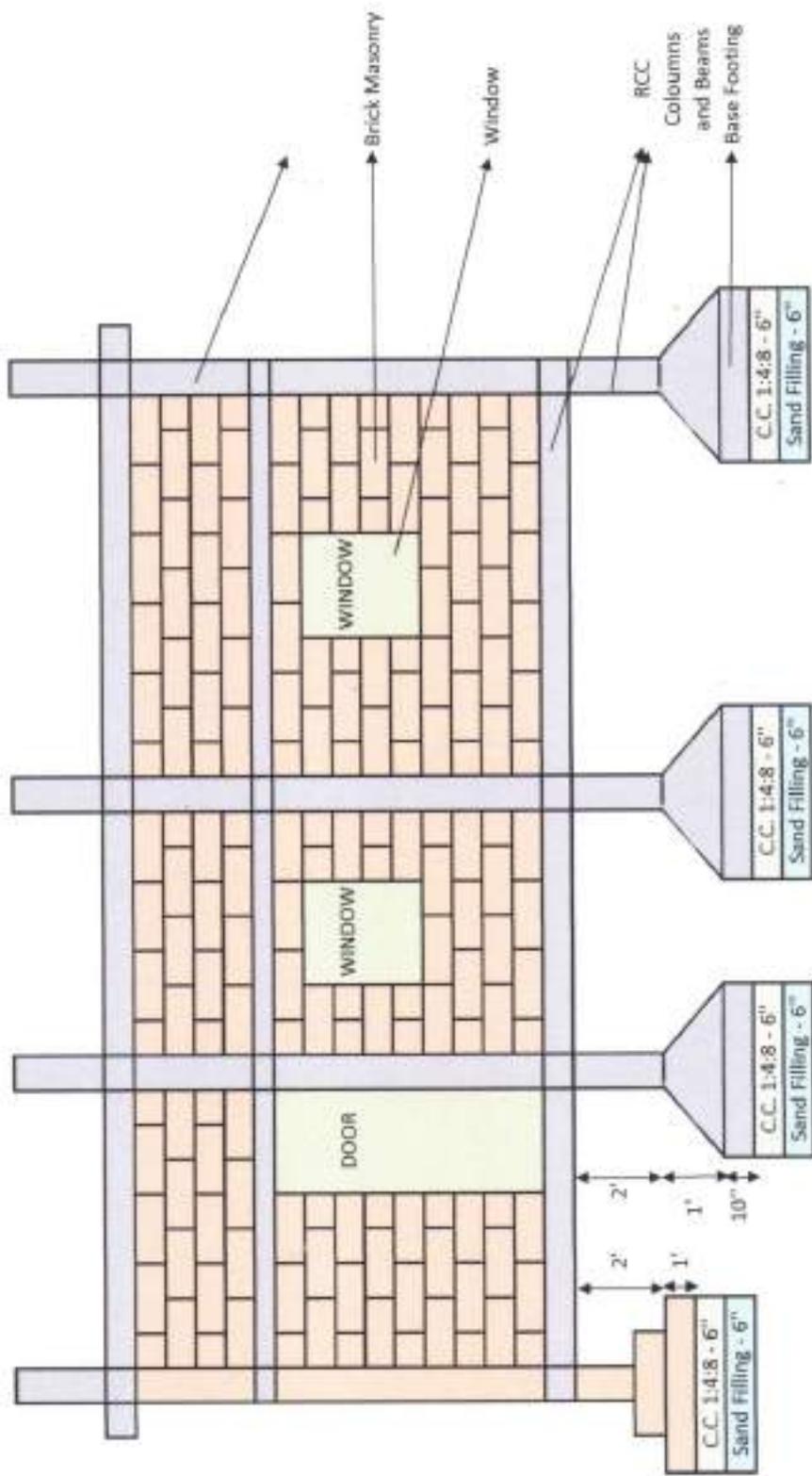
26	Vertified polished floor tile 600mmx600mm colour/printed having thickness 8mm to 10 mm	Local	Sq.m.	571.65	5	5.37	9.90	0.00	15.27	0.00	15.27	586.92
27	Shell lime	Local	Kg	18.1	5	0.16	0.36	0.00	0.52	0.00	0.52	18.62
28	Wood Primer	Local	ltr	114.96	5	0.16	0.36	0.00	0.52	0.00	0.52	115.48
29	Wall Primer (oil bound)	Local	ltr	118.00	5	0.16	0.36	0.00	0.52	0.00	0.52	118.52
30	Wall Primer (water bound)	Local	ltr	140.00	5	0.16	0.36	0.00	0.52	0.00	0.52	140.52
31	Weather coat	Local	ltr	192.00	5	0.16	0.36	0.00	0.52	0.00	0.52	192.52
32	Plaster of paris	Local	Kg	9.45	5	0.16	0.36	0.00	0.52	0.00	0.52	9.97
33	Enamel paint	Local	ltr	151.97	5	0.16	0.36	0.00	0.52	0.00	0.52	152.49
34	Distemper	Local	Kg	51.97	5	0.16	0.36	0.00	0.52	0.00	0.52	52.49
35	Cement paint	Local	Kg	36.43	5	0.16	0.36	0.00	0.52	0.00	0.52	36.95
36	Redoxide Primer	Local	ltr	101.57	5	0.16	0.36	0.00	0.52	0.00	0.52	102.09
37	Black Glass-5mm	Local	Sq.m.	552.34	5	0.39	0.86	0.00	1.25	0.00	1.25	553.59
38	Aluminum extruded section	Local	Kg	224.68	5	0.52	1.17	0.00	1.69	0.00	1.69	226.37
39	M.S angle/sheet	Local	Tone	53150	5	161.72	0.00	0.00	161.72	0.00	161.72	53311.72

#### Rate of Labour wages

1	Male mulia	345.00
2	Female mulia	345.00
3	Semi-skilled mulia	385.00
4	Helper to carpenter, blacksmith, painter.	385.00
5	Rod binder and bender	385.00
6	Thatcher or Gharami	385.00
7	Tile turner or tile layer	385.00
8	Well sinker (Open well)	385.00
9	Stone packer	385.00
10	Mason second class	435.00
11	Blacksmith second class	435.00
12	Carpenter second class	435.00
13	Painter (2nd class)	435.00
14	Mason (Special)	495.00
15	Blacksmith (Special)	495.00
16	Carpenter (Special)	495.00
17	Painter (Special)	495.00

Certified that the leads provided above are correct and minimum to the best of my knowledge.

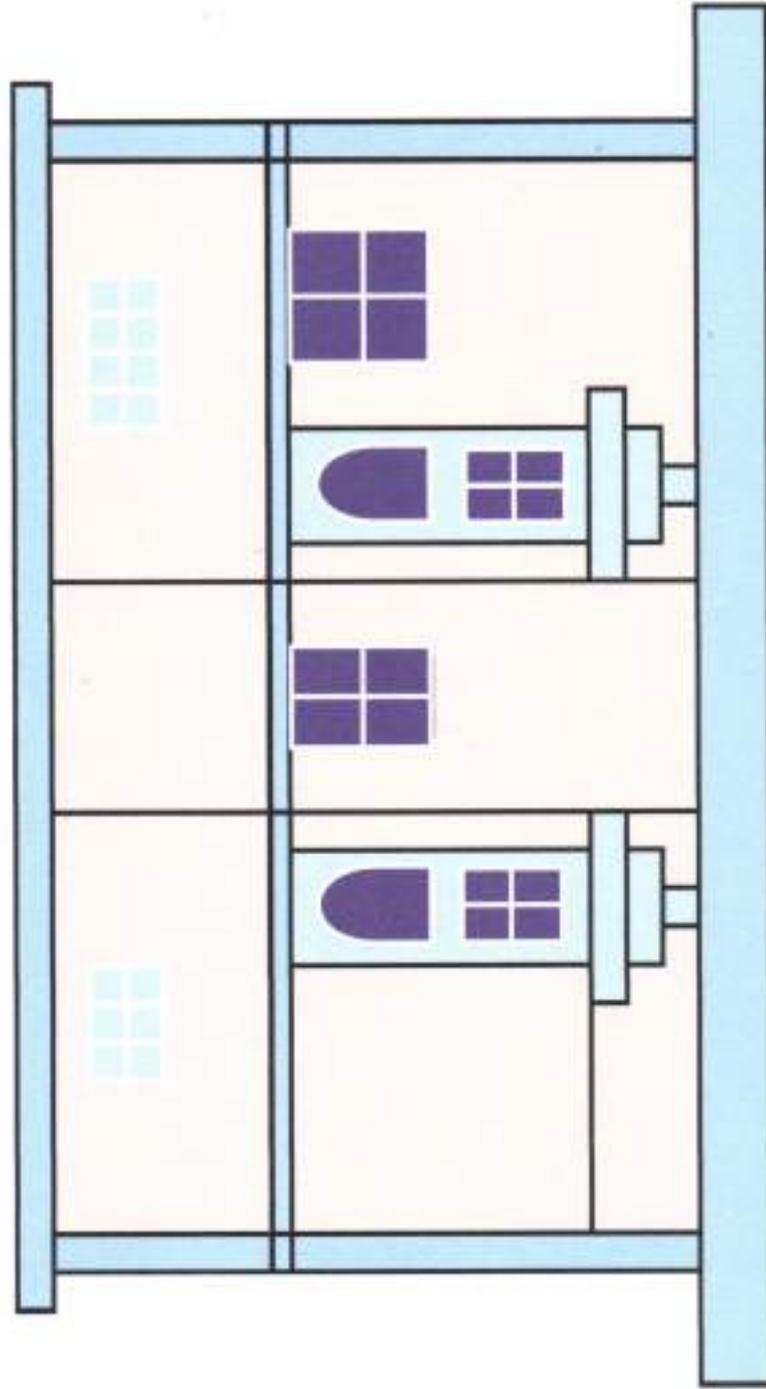
  
**Forest Range Officer**  
**Khallikote Range**



*Siddhant Kulkarni*

**Forest Range Officer  
Khalikote Range**

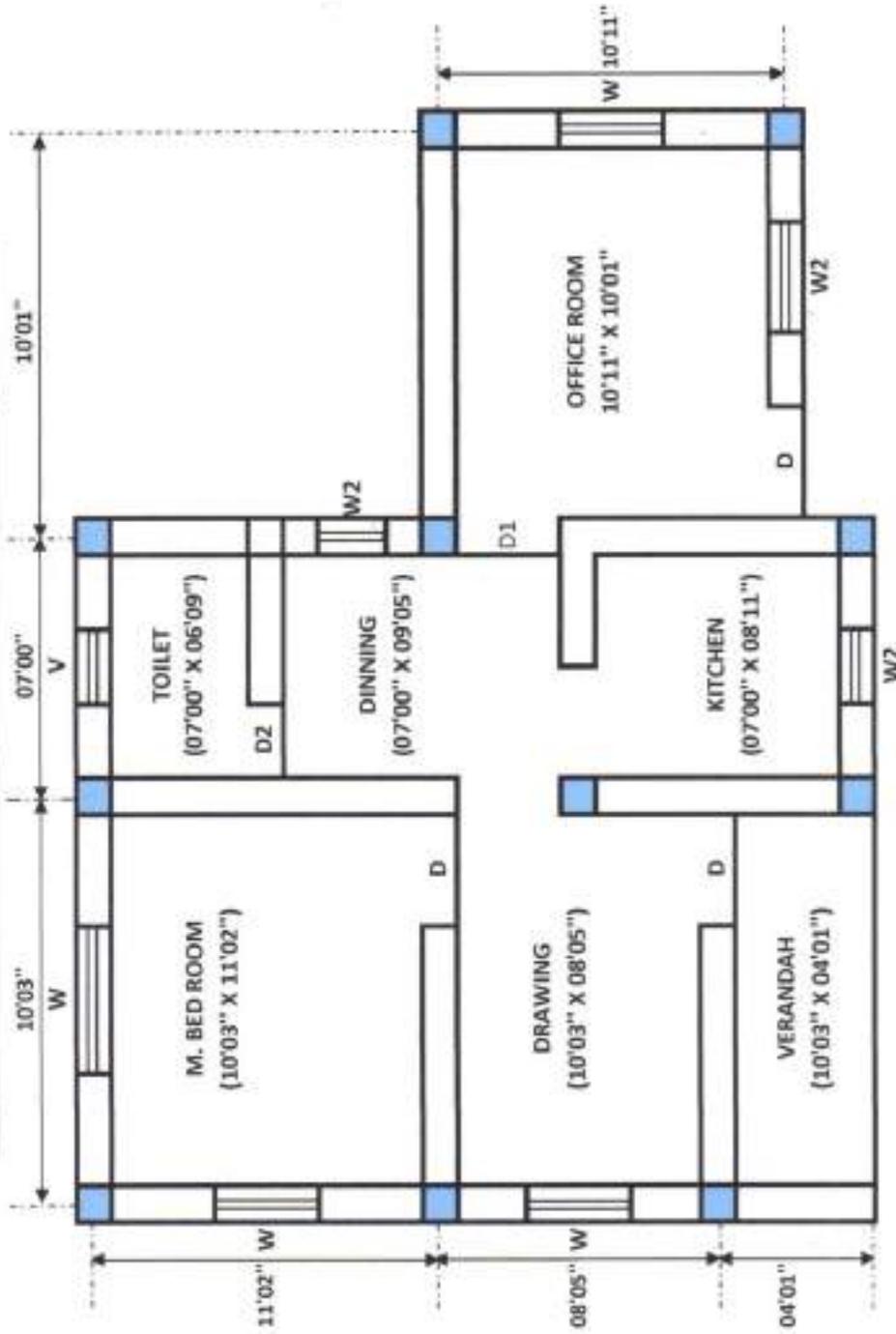
FRONT ELEVATION OF FOREST GUARD QUARTER



*Sidhant Sharma*

Forest Range Officer  
Khalilpur Range

# PROPOSED PLAN OF FOREST GUARD QUARTER



*Signature*  
 Forest Range Office  
 Pongkor, Parigi

PLINTH AREA =	520 SQ. FT.
OFFICE AREA =	130 SQ. FT.
TOTAL AREA =	650 SQ. FT.



**FOREST ENVIRONMENT  
&  
CLIMATE CHANGE DEPARTMENT**

**NAME OF WORK** : Construction of Compound Wall at FG.Quarter,  
Mundula Beat under Khallikote Forest Range.

**NAME OF THE SCHEME** : **CAMPA APO -2023-24**

**ESTIMATED COST** : **Rs. 4, 25,000/-**  
(Rupees Four Lakhs Twenty Five Thousand) Only

**NAME OF THE DIVISION:** Divisional Forest Officer,  
Berhampur Division

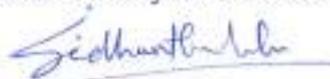
**NAME OF THE RANGE** : Foest Range Officer, Khallikote  
Range, Khallikote

**DETAILED ABSTRACT OF ESTIMATE**

**Construction of Compound Wall 80 mt with Gate (8'x5') at Forest Guard Quarter at Mundula Beat**

Sl. No.	Description of Work	Quantity	Unit	Rate in Rs	Amount In Rs
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	18.25	cum	153.88	2808.80
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.	3.93	cum	325.97	1282.44
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc	3.93	cum	4224.25	16619.34
4	R.C.C.work of M-20 grade with cement concrete proportion (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	3.51	cum	5007.32	17598.10
5	Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.	2.92	Qntl	7284.70	21302.48
6	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete (I)RCC foundation,plinth band,footings,base of columns mass concrete	25.621	sqm	107.82	2762.48
7	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	5.3554	sqm	786.20	4210.42
8	First class K.B brick masonry in C.M.(1.6) in foundation & plinth / superstructuer including cost, conveyance, and royalty of all materials complete.	30.89	cum	4256.43	131479.40
9	12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.	495.73	sqm	149.69	74208.09
10	Suppling,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with	137.50	Kg	135.91	18688.03
11	Manufacturing,Supplying,fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc.complete	109.44	Kg	135.91	14874.31
12	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows	6.62	sqm	53.28	352.65
13	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	6.62	sqm	146.62	970.55
14	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	468.93	sqm	119.43	56005.81
15	Suplying,fitting,fixing of Barbed Wire in hole of installing MS Y-angles	1			6365.63
				<b>Total</b>	<b>369528.53</b>
				<b>Add GST -18%</b>	<b>66515.14</b>
				<b>Total</b>	<b>436043.67</b>
				<b>or say Grand Total</b>	<b>425000.00</b>

**(Rupees Four Lakh Twenty five Thousand) only**



**Forest Range Officer  
Khallikote Range**

**Construction of Compound wall(80 Rmt. /262.5 ft.) with Gate  
(8ftx5ft) at Mundula Beat Quater, Khallikote Range**

Sl No	Description	N	L	B	H	Quantity	Unit	Amount
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5m initial lift							
	Foundation							
	Trench	1	262.50	1.50	1.50	590.63		
	Gate pillar	2	3.00	3.00	3.00	54.00		
						<u>644.63</u>	Cft	
						Or Say	18.25 Cum	
	@ Rs		153.88 /Cum					Rs 2808.80
2	Filling sand inside the room with well rammed & watered etc Comp.							
	Foundation							
	Trench	1	262.50	1.50	0.33	129.94	cft	
	Gate pillar	2	3.00	3.00	0.50	9.00	cft	
						<u>138.94</u>	cft	
						Or Say	3.93 Cum	
	@ Rs		325.97 / Cum					Rs 1282.44
3	C.C. (1:4:8) with 40 mm hard broken granite metal including cost,conveyance,and royalty of all materials complete.							
	Foundation							
	Trench	1	262.50	1.50	0.33	129.94		
	Pillar Base	2	3.00	3.00	0.50	9.00		
						<u>138.94</u>	Cft	
						Or Say	3.93 Cum	
	@ Rs		4224.25 / Cum					Rs 16619.34
4	R.C.C.work of M-20 grade with 20 mm and down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.							
	Grouting for Y angle							
	Ground Beam	26	0.75	0.75	0.75	10.97	cft	
		1	262.50	0.75	0.50	98.44	cft	
	<b>Gate pillar</b>							
	column	2	0.75	0.75	7.17	8.07	cft	
	Column Base	2	2.00	2.00	0.83	6.64	cft	
						<u>124.11</u>	cft	
						Or Say	3.51 Cum	
	@ Rs		5007.32 / Cum					Rs 17598.10
5	Supplying , fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.							
	Gate Pillar column (1.00% of Rcc qnty.)							
		1.00	0.42	Cum			0.42	Qntl
	Ground beam (0.90% of RCC antv.)							
		0.90	2.79	cum		<u>2.51</u>	Qntl	
						2.92	Qntl	
	@ Rs		7284.70 / Qntl					Rs 21302.48
6	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. comp. :-							

(a) column						
base	8	2.00	0.83		13.28 sqft	
Ground Beam	1	262.50	1.00		262.50 sqft	
					275.78 sqft	
				Or Say	25.621 sqm	
@ Rs.		107.82	/ Sqm			Rs 2762.48
(d) column	2	3.00	7.17		43.020 sqft	
Y-angle base	26	0.75	0.75		14.625 sqft	
					57.645 sqft	
				Or Say	5.355 sqm	
@Rs.		786.20	/ Sqm			Rs 4210.42

7 Flyash brick masonry in c.m.(1:6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

Compound wall

Super structure	1	262.50	0.75	5.00	984.38 cft	
Projection for						
Brick Pillar at						
10' gap	25	1.25	0.42	5.00	65.63 cft	
Gate pillar	2	2.00	2.00	7.17	57.36 cft	
Deduction for						
concrete	-25	0.75	0.75	0.60	-8.44 cft	
Grouting						
Gate pillar						
column	-2	0.75	0.75	7.17	-8.07 cft	
				Total	1090.86 Cft	
				Or Say	30.89 Cum	
@ Rs		4256.43	/ Cum			Rs 131479.40

8 12 mm thick cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.

Compound wall	2	262.50		10.00	5250.00 sqft	
Gate pillar	6	2.00		7.17	86.04 sqft	
				Total	5336.04 sqft	
				Or Say	495.735 sqm	
@ Rs		149.69	/ Cum			Rs 74208.09

9 Cost, supplying, making and drilling holes of MS -Y angle of size-35mmx35mm

Y- angle	25	5.50		137.50 Rft	
137.50 rft @		1.00 Kg / Rft		137.50 Kg	
137.50 Kg @		Rs 135.91	/ Kg		Rs 18,688.03

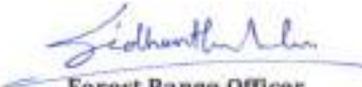
10 Supplying, Fitting, Fixing of MS Grill gate at gate pillar

Front Gate	2	4.0		5.0	40.00 sft	
Zinc plate						
shuttering over						
MS grill Gate	2	4.0		3	24.00 sqft	
				Total	64.00 sft	
		@ 1.71	kg / sft		109.44 Kg	
					109.44 kg	
109.44 kg @		Rs 135.91	/ Kg			Rs 14,874.31

11 Supplying, Fitting, Fixing of Barbed Wire in hole of installing MS Y-angles

fence of barbed wire in six line	5	262.50		1312.50		
			Total	1312.50 Rft		
i) Material	1312.50 Rft @		0.05 Kg / Rft	65.63 Kg		
	65.63 Kg @		Rs 65.00	/ Kg	Rs	4,265.63
ii) Fitting, fixing - 5 line Barbered wire	262.50 Rft @		Rs 8.00	/ Rft	Rs	2100.00
12 Priming( Red oxide) one coat with approved primer on new work to M.S grill						
Grill Gate	2	4.00	5.00	40.000 sqft		
Y-angle	25	5.00	0.25	31.250 sqft		
			Total	71.250 sqft		
			Or Say	6.619 sqm		
	@ Rs.	53.28	/sqm		Rs	352.65
13 Painting two coats synthetic enamel paint with including material approved						
Grill Gate	2	4.00	5.00	40.000 sqft		
Y-angle	25	5.00	0.25	31.250 sqft		
			Total	71.250 sqft		
			Or Say	6.619 sqm		
	@ Rs.	146.62	/sqm		Rs	970.55
14 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.						
Compound wall	2	262.50	9.50	4987.50 sqft		
Gate pillar	6	2.00	5.00	60.000 sqft		
			Total	5047.50 sqft		
			Or Say	468.929 sqm		
	@ Rs.	119.43	/sqm		Rs	56005.81
15 Add GST 18%						
			Total	Rs	369528.53	
				Rs	66515.14	
			<b>Grand Total</b>	Rs	<b>436043.67</b>	
			Or , Say	Rs	<b>425000.00</b>	

(Rupees Four Lakh Twenty five thousand Only)

  
Forest Range Officer  
Khallikote Range

Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.

  
Forest Range Officer  
Khallikote Range

## Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foudation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing, breaking clods and laying in layer and leveling bed etc complete				
	<b>As per A/R, item-2(a),page-1</b>				
	Mulia	32 nos @	Rs	345.00	11040.00
	Total				11040.00
	Add 20% extra towards excavation of foundation				2208.00
					13248.00
	Add 15% for O.H Charges and Contractors profit				1987.20
		Total		Rs	15235.20 / 100 Cum
				Rs	152.35 /cum
	Labour Cess 1%			Rs	1.52
		<b>Total</b>		Rs	<b>153.88 /cum</b>
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	<b>As per A/R, item-15,page-8</b>				
	Data for 100 cum				
	Sand	100.00 Cum@	Rs	53.33	5333.00
	Mulia	12.36 nos @	Rs	345.00	4264.20
	Total				9597.20
	Carriage & royalty of sand	100.00 Cum@	Rs	184.67	18467.00
					Rs 28064.20 /100 cum
	Add 15% for O.H Charges and Contractors profit			Rs	4209.63
				Total	32273.83 /100 cum
		Per Cum			322.74 /cum
	Labour Cess 1%			Rs	3.23
		<b>Total</b>		Rs	<b>325.97 /cum</b>
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.				
	<b>As per A/R, item-4,page-43</b>				
	HG metal 40m size	0.96 Cum@	Rs	752.38	722.28
	Sand	0.48 Cum@	Rs	56.19	26.97
	Cement	1.72 Qntl@	Rs	630.00	1083.60
	Mason 2nd Class	0.18 nos @	Rs	435.00	78.30
	Mulia	3.9 nos @	Rs	345.00	1345.50
	Total				3256.66
	Carrage & Royalty of metal	0.96 Cum@	Rs	279.67	268.48
	Carrage & Royalty of sand	0.48 Cum@	Rs	184.67	88.64
	Carrige of cement	1.72 Qntl@	Rs	16.17	27.81
				Total	3641.59
	Add 15% for O.H Charges and Contractors profit			Rs	546.24
	Labour Cess 1%			Rs	36.42
	<b>Total</b>		per cum	Rs	<b>4224.25 /cum</b>
4	First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.				
	<b>As per A/R, item-3,page-71</b>				

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	3.404	1361.70
sand	0.28 Cum@ Rs	56.19	15.73
Cement	0.672 Qntl@ Rs	630.00	423.36
mason 1st class	0.35 nos @ Rs	495.00	173.25
mason 2nd class	1.05 nos @ Rs	435.00	456.75
Mulia	2.96 nos @ Rs	345.00	1021.20
Total per one cum			3452.00
Carriage & royalty of sand	0.28 Cum@ Rs	184.67	51.71
Carriage of Cement	0.672 Qntl@ Rs	16.17	10.87
Carriage of bricks	400 nos (1 cum)@ Rs	0.38691	154.76
Total		Rs	3669.34
Add 15% for O.H Charges and Contractors profit		Rs	550.40
Labour Cess 1%		Rs	36.69
<b>For foundation ,Plinth &amp; Super struce</b>		Rs	<b>4256.43 /cum</b>

- 5 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

**As per A/R, item-4, page-50**

Data for 15 Cum

**Material**

HG chips 20 mm size	8.10 Cum@ Rs	1092.38	8848.28
HG chips 10mm size	5.40 Cum@ Rs	1194.29	6449.17
Sand	6.75 Cum@ Rs	56.19	379.28
Cement	52.10 Qntl@ Rs	630.00	32823.00

**Labour**

Mate	0.86 nos @ Rs	385.00	331.10
Mason 2nd class	1.5 nos @ Rs	435.00	652.50
Man mulia	20 nos @ Rs	345.00	6900.00

**Machinery**

Concrete mixture	6 hour	177.00	1062.00
Generator 33 KVA	6 hour	240.00	1440.00
			58885.33

**Conveyance & royalty**

20 mm size chips	8.1 Cum@ Rs	279.67	2265.33
10 mm size chips	5.4 Cum@ Rs	279.67	1510.22
Sand	6.75 Cum@ Rs	184.67	1246.52
cement	52.1 Qntl@ Rs	16.17	842.46
Total	per 15 cum	Rs	64749.85
	Per 1 cum	Rs	4316.66 /cum

Add 15% for O.H Charges and

Contractors profit	Rs	647.50
Labour Cess 1%	Rs	43.17

**Rate for Ground Floor**

Rs **5007.32 /cum**

- 6 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

**As per A/R, item-9, page-52**

Data for 1.0 MT

**A) Material cost**

HYSD bar including 5% overlap and wastage	1.05 MT	64500.00	67725.00
Binding wire	8.00 Kg	67.23	537.84

**B) Labour**

Mate	0.44 nos @ Rs	385.00	169.40
Black smith Spl	3 nos @ Rs	495.00	1485.00
Mulia	8 nos @ Rs	345.00	2760.00
carriage of Steel	1.05 MT @Rs	161.72	169.81
Total			72847.05 / MT

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 10927.06  
Rs 728.47  
84502.57 / MT  
Rs **7284.70 /Qntl**

**Rate for Ground floor**

**Total**

- 7 Rigid smooth centering & shuttering for RCC works including false work and dismantling then after casting including cost of all materials

As per A/R, item-10, page-53

**(i) For RCC foundation, plinth band, footings, base of columns mass concrete**

25 mm thick non-sal planks 10.66 sqm for 0.267 cum	0.267	cum @ Rs	17261.41	4608.80
Non - sal bullah Ø0 mm dia. for suttering	12.60	m @ Rs	43.15	543.69
Convey of wood	0.3284	cum @ Rs	129.37	42.49
<b>Total</b>				<b>5194.97</b>

Considering the materials to be  
used for 10 times

For once use				519.50
Carpenter( 2nd class)	0.50	nos @ Rs	435.00	217.50
S.S Mulia	0.50	nos @ Rs	385.00	192.50
<b>Total</b>			<b>Total</b>	<b>929.50</b>
For 10 Sqm				92.95
For one Sqm				92.95

**Total** Rs 92.95 sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 13.94  
Rs 0.93

**Ground floor Rate per one  
sqm**

**Rs 107.82 sqm**

**(ii) For RCC Lintel band Details for 7.8 sqm.**

38 mm thick non-sal planks 10.87 sqm for 0.413 cum	0.413	cum @ Rs	17261.41	7128.96
120 mm dia Non-Sal bullah	21.00	mt @ Rs	67.22	1411.62
Carriage of wood	0.689	cum @ Rs	129.37	89.14
<b>Total</b>			<b>Total</b>	<b>8629.72</b>

Considering the materials to be  
used for 10 times:

For once use	8629.72	/10		862.97
Carpenter 2nd class	1.25	nos @ Rs	435.00	543.75
SS Mulia	1.25	nos @ Rs	385.00	481.25
Cost of nails				30.00
				<b>1917.97</b>

Total for 7.80 sqm

Total 1917.97

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 36.88  
Rs 2.46 /sqm

**Ground floor Rate per one  
sqm**

**Rs 285.24 /sqm**

**(iii) For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas upto**

Non- sal Wood scanting Plank 38 mm	0.112	cum @ Rs	17261.41	1933.28
120 mm dia -Sal bullah	0.34	cum @ Rs	17261.41	5868.88
Carriage of wood	56.00	m @ Rs	89.63	5019.28
	1.142	cum @ Rs	129.37	147.74
<b>Total</b>				<b>12969.18</b>

Considering the materials to be  
used for 10 times

For once use	12969.18	/10		1296.92
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75

Total				3551.92
Total / 9 sqm				394.66
				394.66 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	59.20
Labour Cess 1%			Rs	3.95
<b>Ground floor Rate per one sqm</b>			Rs	<b>457.80 /sqm</b>

**(iv) For RCC beams, Column, grider and bressmer, etc. Data for 4.20 sqm.**

38 mm thick non-sal planks				
5.73 sqm for 0.218 cum	0.218	cum @ Rs	17261.41	3762.99
120 mm dia Sal bullah	15.20	m @ Rs	89.63	1362.38
80 mm dia non-sal bullah for brassing	8.00	m @ Rs	53.94	431.52
Carriage of wood	0.456	cum @ Rs	129.37	58.99
				5615.88

Considering the materials to be used for 10 times

For once use	5615.88 /10			561.59
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25

S.S Mulia	2.75	nos @ Rs	385.00	1058.75
Cost of nails L.S				30.00
Total / 4.2 sqm			Total	2846.59
Total / sqm				677.76
				677.76 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

			Rs	101.66
			Rs	6.78
<b>Ground floor Rate per one sqm</b>			Rs	<b>786.20 /sqm</b>

8 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.

As per A/R, item-4, page-103

Sand	0.015	Cum @ Rs	56.19	0.84
Cement	0.0358	Qntl @ Rs	630.00	22.55
Mason 2nd class	0.14	nos @ Rs	435.00	60.90
Mulia	0.12	nos @ Rs	345.00	41.40
Total				125.70
Carriage & royalty of sand	0.015	Cum @ Rs	184.67	2.77
Carriage of cement	0.0358	Qntl @ Rs	16.17	0.58
				129.05

Total Rs 129.05 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

			Rs	19.36
			Rs	1.29
<b>Ground floor Rate per one sqm</b>			Rs	<b>149.69 /sqm</b>

9 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

As per A/R, item- 4, page- 225

For 1 qntl.

Data for 0.508 qntl.

Labour

Black Smith(Special)	0.75	nos @ Rs	495.00	371.25
Black Smith(Second class)	1.00	nos @ Rs	435.00	435.00
Fitter(Special)	1.00	nos @ Rs	495.00	495.50

Fitter(Second class)	1.00 nos @ Rs	435.00	435.44
Helper to Blacksmith	1.00 nos @ Rs	385.00	385.39
Man mulia	3.25 nos @ Rs	345.00	1121.25
		Total Rs	3243.82
		Rs	3243.82
Rate per qntl.(M.S Angle/ sheet)		Rs	6385.46 /qntl
Rate per Kg.(Labour)		Rs	63.85 /Kg.
Cost of M.S Angle/ sheet( with Transportation ,Loading & unloading)		Rs	53.31 /Kg.
	Total	Rs	117.17 /Kg.
Add 15% for O.H Charges and Contractors profit		Rs	17.57
Labour Cess 1%		Rs	1.17
<b>Ground floorRate per Kg</b>		Rs	<b>135.91 /Kg</b>

**10 Priming[ Red oxide] one coat with approved primer on new work Data for 9.30 sqm**

**As per A/R, item-1 ,page-93**

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
			420.00
Cost Red oxide	0.070 Ltr @ Rs	102.09	7.12
	Rate/9.30 sqm.	Rs	427.12
	Rate per one sqm	Rs	45.93 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	6.89
Labour Cess 1%		Rs	0.46
<b>Ground floor Rate per one sqm</b>		Rs	<b>53.28 /sqm</b>

**11 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of iron Data for 9.30 sqm.**

**As per A/R, item-3 ,page-93**

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		998.25
	For one sqm		107.34
<u>Cost of Material for 10 sqm</u>			
Enamel paint for two coats	1.25 Ltr @ Rs	152.49	190.61
	Total/sqm	Rs	19.06
Rate per one sqm( ( Material + Labour)	Total/ Sqm	Rs	126.40 / sqm
	Total		126.40 / sqm
Add 15% for O.H Charges and Contractors profit		Rs	18.96
Labour Cess 1%		Rs	1.26
<b>Ground floor Rate per one sqm</b>		Rs	<b>146.62 /sqm</b>

**12 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.**

**A) Primer one coat (Data for 9.30 sqm)**

**As per A/R, item-1 ,page-93**

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
Sundries, brushes, soap & puttles 2%			0.00
			420.00
Cost wall Primer (water bound)	0.781 Ltr @ Rs	140.52	109.77
	Rate per 9.3 Sqm	Rs	529.77 /sqm
Rate per one sqm	Total (A)	Rs	56.96 /sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 8.54  
Rs 0.57

**Ground floor Rate per one  
sqm**

Rs	66.08 /sqm
----	------------

**B) Painting two coat (Data for  
10.0 sqm)  
As per A/R, Item-1B ,page-98**

Painter special  
Mulia  
Sundries, brushes, soap &  
putties 2%

0.22 nos @ Rs	495.00	108.90
0.32 nos @ Rs	345.00	110.40
		<u>0.00</u>
		219.30

Cost of Material for 10 sqm  
weather coat Paint for two  
coats

1.25 Ltr @ Rs	192.52	240.65
Total/10 sqm	Rs	<u>459.95</u>

Rate per one sqm(( Material +  
Labour)

Total/ Sqm	Rs	46.00 /sqm
Total (B)		46.00 /sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 6.90  
Rs 0.46

**Ground floor Rate per one  
sqm  
Rate for Ground Floor**

**G.Total (A+B)**

Rs	53.35 /sqm
	<u>119.43 /sqm</u>

  
Forest Range Officer  
Khalikote Range

### Lead Statement of Materials (Post GST)

Sl. No	Items	Location	Unit	Basic Cost of materials post GST	Distance in KM	Initial lead upto 5 Km in Rs	Extra lead 6 to 50 Km	Extra lead beyond 50 Km	Conveyance (7+8+9)	Royalty	Conveyance + Royalty	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Fly ash bricks (23 cmx11cmx8cm)	Local	1000 Nos	3404.26	5	386.91	0.00	0.00	386.91	0.00	386.91	3791.17
2	Filling Sand	Local	cum	53.33	5	149.67	0.00	0.00	149.67	35.00	184.67	238.00
3	Sand for Mortar	Local	cum	56.19	5	149.67	0.00	0.00	149.67	35.00	184.67	240.86
4	French Polish	Local	lit	129.92	5	0	0.00	0.00	0.00	0.00	0	129.92
5	40 mm CB Metal	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05
6	20 mm CB Chips	Local	cum	1092.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1372.05
7	12 mm CB Chips	Local	cum	1128.57	5	149.67	0.00	0.00	149.67	130.00	279.67	1408.24
8	10 mm CB Chips	Local	cum	1194.29	5	149.67	0.00	0.00	149.67	130.00	279.67	1473.96
9	6.7 mm CB Chips	Local	cum	752.38	5	149.67	0.00	0.00	149.67	130.00	279.67	1032.05
10	4.7 mm CB Chips	Local	cum	690.48	5	149.67	0.00	0.00	149.67	130.00	279.67	970.15
11	Cement -43 grade	Local	Quintel	630.00	5	16.17	0.00	0.00	16.17	0.00	16.17	646.17
12	HVSD Steel	Local	Tonne	64500	5	161.72	0.00	0.00	161.72	0.00	161.72	64661.72
13	Binding Wire	Local	Kg	67.23	5	0.16	0.00	0.00	0.16	0.00	0.16	67.39
14	75-120 mm dia Sal bulliah x5.5 long	Local	Rmt	89.63	5	0	0.00	0.00	0.00	0.00	0	89.63
15	150-200 mm dia Sal bulliah x5.5 long	Local	Rmt	98.76	5	7.31	0.00	0.00	7.31	0.00	7.31	106.07
16	75 mm dia Non Sal bulliah	Local	Rmt	43.15	5	0	0.00	0.00	0.00	0.00	0	43.15
17	100 mm dia Non Sal bulliah	Local	Rmt	53.94	5	0	0.00	0.00	0.00	0.00	0	53.94
18	125 mm dia Non Sal bulliah	Local	Rmt	67.22	5	0	0.00	0.00	0.00	0.00	0	67.22
19	150-200 mm dia Non Sal bulliah	Local	Rmt	83.82	5	0	0.00	0.00	0.00	0.00	0	83.82
20	Seasoned SalWood beam of GS area not less than 150 Sq.cm & least lateral dimension 100 mm & above 2.75 m. long	Local	cum	31369.29	5	129.37	0.00	0.00	129.37	0.00	129.37	31498.66
21	Non Sal Wood Scantling &plants (Teetra, Kasi,Gambhari,Kuruma)	Local	cum	17261.41	5	129.37	0.00	0.00	129.37	0.00	129.37	17390.78
22	Non Sal roapers	Local	cum	11452.28	5	129.37	0.00	0.00	129.37	0.00	129.37	11581.65
23	Ceramic wall tiles (20 cmx30 cm)/(20 cmx 20cm) plain/printed having thickness 6.5mm to 6.7mm	Local	Sq.m	277.17	5	5.37	9.90	0.00	15.27	0.00	15.27	292.44
24	Ceramic floor tiles (30 cmx30 cm)/(40 cmx 40cm) plain/printed having thickness 7 mm to 8 mm	Local	Sq.m	314.96	5	5.37	9.90	0.00	15.27	0.00	15.27	330.23
25	Vertified polished floor tile 600mmx600mm plain (Ivory) having thickness 8mm to 10 mm	Local	Sq.m	476.38	5	5.37	9.90	0.00	15.27	0.00	15.27	491.65





**GOVERNMENT OF ODISHA**

**FOREST, ENVIRONMENT AND CLIMATE CHANGE  
DEPARTMENT**

<b>Name of Work</b>	: Construction of Forest Guard Quarter at Gopalpur Beat
<b>Name of the Scheme</b>	: CAMPA (APO) 2023-24
<b>Estimated Cost</b>	: Rs 1204000/-
<b>Name of the Range</b>	: Berhampur Range
<b>Name of the Division</b>	: Berhampur Division.
<b>Name of the District</b>	: Ganjam

## Detailed item wise Estimate for Construction of Forest Guard Quater at Gopalpur Beat of Berhampur Range

CIVIL WORKS OF THE BUILDING Ground Floor			Quantity of work volume/Area/WL					
Sl. No	Description of Item	No.	Length (in ft)	Breadth (in ft)	Height (in ft)	Quantity	Unit	Amount (in Rs.)

1 Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.

### Foundation Trench

Column	9	4.00	4.00	5.00	720.000 Cft
Long wall	3	25.50	2.00	3.00	459.000 Cft
	1	11.66	2.00	3.00	69.960 Cft
Cross wall	3	9.00	2.00	3.00	162.000 Cft
	4	6.00	2.00	3.00	144.000 Cft
	2	9.00	2.00	3.00	108.000 Cft
Step( Verandah)	1	10.00	4.00	1.00	40.000 Cft
Step( Office)	1	5.00	4.00	1.00	20.000 Cft
Deduction Column	-9	2.00	2.00	3.00	-108.000 Cft

Total  
or Say 1614.960 Cft  
45.731 Cum

@ Rs 153.88 /cum Rs 7036.82

2 Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.

### Foundation Trench

Column	9	4.00	4.00	0.50	72.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft
	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step( Verandah)	1	10.00	4.00	0.50	20.000 Cft
Step( Office)	1	5.00	4.00	0.50	10.000 Cft

### Plinth Filling

M.Bed Room	1	10.66	10.00	2.50	266.500 Cft
Drawing Room	1	8.33	10.00	2.50	208.250 Cft
Verandah	1	4.00	10.00	2.50	100.000 Cft
Kitchen Room	1	8.00	7.08	2.50	141.600 Cft
Dinning Room	1	8.92	7.08	2.50	157.884 Cft
Toilet	1	5.25	7.08	2.50	92.925 Cft
Office Room	1	10.00	10.00	2.50	250.000 Cft
Deductio Column	-9	2.00	2.00	0.50	-18.000 Cft

Total  
or Say 1458.319 Cft  
41.295 Cum

@ Rs 346.68 /cum Rs 14315.95

3 Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.

### Foundation Trench

Column	9	4.00	4.00	0.50	72.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft
	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step ( Verandah)	1	10.00	4.00	0.33	13.200 Cft

Step( Office)	1	5.00	4.00	0.23	6.600 Cft
<b>Inside Room Flooring</b>					
M.Bed Room	1	10.66	10.00	0.50	53.300 Cft
Drawing Room	1	8.33	10.00	0.50	41.650 Cft
Verandah	1	4.00	10.00	0.50	20.000 Cft
Kitchen Room	1	8.00	7.08	0.50	28.320 Cft
Dinning Room	1	8.92	7.08	0.50	31.577 Cft
Toilet	1	5.25	7.08	0.50	18.585 Cft
Office Room	1	10.00	10.00	0.50	50.000 Cft
Deductio Column	-9	0.83	0.83	0.50	-3.100 Cft

Total  
or Say 489.292 Cft  
13.855 Cum

@ Rs 4,492.51 /cum Rs 62244.68

4 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

i)Column base	9	3.50	3.50	0.83	91.508
column footing		$\frac{1}{3}((0.83 \times 0.83) + (3.5 \times 3.5)) + \sqrt{(0.83 \times 0.83) \times (3.5 \times 3.5)}$			
V= $\frac{1}{3}(A1+A2+\sqrt{A1 \times A2})H$	9			1.00	58.090
ii)Column	9	0.75	0.75	15.34	27.659
<b>iii)Ground Beam</b>					
	3	25.50	0.83	0.83	52.701 Cft
	1	11.66	0.83	0.83	8.033 Cft
	3	9.00	0.83	0.83	18.600 Cft
	4	6.00	0.83	0.83	16.534 Cft
	2	9.00	0.83	0.83	12.400 Cft
Deduction column	-9	0.75	0.75	0.83	-4.202 Cft
<b>iv) Plinth Beam</b>					
	3	25.50	0.83	0.75	47.621 Cft
	1	11.66	0.83	0.75	7.258 Cft
	3	9.00	0.83	0.75	16.808 Cft
	4	6.00	0.83	0.75	14.940 Cft
	2	9.00	0.83	0.75	11.205 Cft
Deduction column	-9	0.75	0.75	0.75	-3.797 Cft
<b>v) Lintel Band</b>					
	3	25.50	0.75	0.50	28.688 Cft
	1	11.66	0.75	0.50	4.373 Cft
	3	9.00	0.75	0.50	10.125 Cft
	4	6.00	0.75	0.50	9.000 Cft
	2	9.00	0.75	0.50	6.750 Cft
Deduction column	-9	0.75	0.75	0.50	-2.531 Cft
<b>vii) Chajja</b>					
verandah	1	10.00	2.00	0.25	5.000 Cft
window	3	6.00	1.50	0.25	6.750 Cft
	4	5.00	1.50	0.25	7.500 Cft
kitchen plate	1	8.00	1.50	0.25	3.000 Cft
	1	7.00	1.50	0.25	2.625 Cft
<b>Inside Room</b>					
Bed Room	1	10.66	1.50	0.25	3.998 Cft
	1	10.00	1.50	0.25	3.750 Cft
Dinning Room	1	8.92	1.50	0.25	3.345 Cft
Kitchen Room	1	8.00	1.50	0.25	3.000 Cft
	1	7.00	1.50	0.25	2.625 Cft
<b>vii)(a) Roof slab Building including carnis 4"</b>					
	1	25.83	19.91	0.41	210.853 Cft

(b) Roof slab office Room including cornice 4"	1	11.16	11.66	0.41	53.351 Cft		
c) Roof slab over Toilet (at Lintel level)	1	5.25	7.08	0.25	9.293 Cft		
				<b>Total</b>	796.85 Cft		
				<b>or Say</b>	22.564 Cum		
	@	Rs	5,381.14 /cum			Rs	121421.49

5 Supplying , fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.

i) Column base & footing	4.24	cum @	1.00	Qntl/cum	4.236 Qntl		
ii) Column	2.199	cum @	1.20	Qntl/cum	2.639 Qntl		
iii) Ground Beam	2.947	cum @	1.00	Qntl/cum	2.947 Qntl		
iv) Plinth Beam	2.663	cum @	1.00	Qntl/cum	2.663 Qntl		
v) Lintel Band	1.597	cum @	1.00	Qntl/cum	1.597 Qntl		
vi) Chajja	1.178	cum @	0.50	Qntl/cum	0.589 Qntl		
vii) Roof slab	7.744	cum @	0.80	Qntl/cum	6.196 Qntl		
				<b>Total</b>	20.866 Qntl		
	@	Rs	7,303.94 / Qntl			Rs	152404.85

6 Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete

(a)i) column base	9	14.00		0.83	104.580 sqft		
ii) Column Footing	9	8.66		1.00	77.940 sqft		
iii) Ground Beam	6	25.50		0.83	126.990 sqft		
	2	11.66		0.83	19.356 sqft		
	6	9.00		0.83	44.820 sqft		
	8	6.00		0.83	39.840 sqft		
	4	9.00		0.83	29.880 sqft		
Deduction column	-9	0.75		0.83	-5.603 sqft		
(iv) Plinth Beam	6	25.50		0.75	114.750 sqft		
	2	11.66		0.75	17.490 sqft		
	6	9.00		0.75	40.500 sqft		
	8	6.00		0.75	36.000 sqft		
	4	9.00		0.75	27.000 sqft		
Deduction column	-9	0.75		0.75	-5.063 sqft		
				<b>Total</b>	668.481 sqft		
				<b>or Say</b>	62.104 Sqm		
	@	Rs	233.35 /Sqm			Rs	14492.23
(b) Lintel	6	25.50		0.50	76.500 sqft		
	2	11.66		0.50	11.660 sqft		
	6	9.00		0.50	27.000 sqft		
	8	6.00		0.50	24.000 sqft		
	4	9.00		0.50	18.000 sqft		
Deduction column	-9	0.75		0.50	-3.375 sqft		
				<b>Total</b>	153.785 sqft		
				<b>or Say</b>	14.207 Sqm		
	@	Rs	529.82 /Sqm			Rs	7569.62
(c) Chajja ,							
verandah	1	10.00	2.00		20.000 sqft		
window	3	6.00	1.50		27.000 sqft		
	4	5.00	1.50		30.000 sqft		
kitchen plate	1	8.00	1.50		12.000 sqft		
	1	7.00	1.50		10.500 sqft		
Inside Room					0.000 sqft		
Bed Room	1	9.00	1.50		13.500 sqft		
	1	1.50	1.50		2.250 sqft		
Dinning Room	1	11.66	1.50		17.490 sqft		
Kitchen Room	1	8.00	1.50		12.000 sqft		

	1	7.00	1.50		10.500 sqft		
vii)(a) Roof slab Building including carnis 4"	1	25.83	19.91		514.275 sqft		
(b) Roof slab office Room including carnis 4"	1	11.16	11.66		130.126 sqft		
(c) Roof slab over Toilet (at Lintel level)	1	9.00	19.91		179.190 sqft		
				Total	978.831 sqft		
				or Say	90.936 Sqm		
@ Rs			670.07 /Sqm			Rs	60933.41
(d)(i) column	9	3.00		15.34	414.180 sqft		
				or Say	38.479 Sqm		
@ Rs			1,015.21 /Sqm			Rs	39063.88

7 2.5 cm thick grading with c.c (1:2:2) including gradinging using 4.7 mm hard broken granite chips on new work

Roof Slab Qtr	1	25.83	19.91		514.275 sqft		
Roof Slab Office	1	11.16	11.66		130.126 sqft		
Step( Verandah)	1	10.00	3.00		30.000 sqft		
Step( Office)	1	5.00	3.00		15.000 sqft		
				Total	689.401 sqft		
				or Say	64.048 Sqm		
@ Rs.		319.45	/ Sqm			Rs	20459.76

8 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance , and royalty of all materials complete.

(Below Plinth-3.33 ft ,Above Plinth-9ft excluding RCC structure like Plinth and lintel beam)

<b>Superstructure</b>							
Long wall	3	25.50	0.75	12.33	707.434 Cft		
	1	11.66	0.75	12.33	107.826 Cft		
Cross wall	3	9.00	0.75	12.33	249.683 Cft		
	4	6.00	0.75	12.33	221.940 Cft		
	2	9.00	0.75	12.33	166.455 Cft		
Step( Verandah)	1	10.00	3.00	0.83	24.900 Cft		
	1	10.00	2.00	0.83	16.600 Cft		
	1	10.00	1.00	0.83	8.300 Cft		
Step( Office)	1	5.00	3.00	0.83	12.450 Cft		
	1	5.00	2.00	0.83	8.300 Cft		
	1	5.00	1.00	0.83	4.150 Cft		
<b>Deduction</b>							
Column	-9	0.75	0.75	12.33	-62.421 Cft		
Doors (D)	-5	3.00	0.75	6.50	-73.125 Cft		
Doors (D2)	-1	2.75	0.75	6.50	-13.406 Cft		
Windows (W)	-4	4.00	0.75	4.00	-48.000 Cft		
Windows (W2)	-2	3.00	0.75	4.00	-18.000 Cft		
Ventilator (Toilet)	-1	2.00	0.75	2.00	-3.000 Cft		
Ventilators (Rooms)	-8	1.50	0.75	1.00	-9.000 Cft		
				Total	1301.085 Cft		
				or Say	36.843 Cum		
@ Rs		4,592.50	/ Cum			Rs	169199.67

9 16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost, conveyance, royalty etc. complete.

Inside plaster area

M.Bed Room	2	10.66		13.58	289.526 sqft		
	2	10.00		13.58	271.600 sqft		
Verandah	2	4.00		13.58	108.640 sqft		

	1	10.00		13.58	135.800 sqft		
Dining Hall	2	8.92		13.58	242.267 sqft		
	2	7.08		13.58	192.293 sqft		
Toilet	2	7.08		13.58	192.293 sqft		
	2	5.25		13.58	142.590 sqft		
Drawing Room	2	10.00		13.58	271.600 sqft		
	2	8.33		13.58	226.243 sqft		
Kitchen Room	2	8.00		13.58	217.280 sqft		
	2	7.08		13.58	192.293 sqft		
Office Room	2	10.00		13.58	271.600 sqft		
	2	10.00		13.58	271.600 sqft		
Step( Verandah)	2	10.00	1.25		24.900 sqft		
	1	10.00		2.49	24.900 sqft		
Step( Office)	2	5.00	1.25		12.450 sqft		
	1	5.00		2.49	12.450 sqft		
<u>Deduction</u>							
Doors (D)	-5	3.00		6.50	-97.500 Sqft		
Doors (D2)	-1	2.75		6.50	-17.875 Sqft		
Windows (W)	-4	4.00		4.00	-64.000 Sqft		
Windows (W2)	-2	3.00		4.00	-24.000 Sqft		
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft		
				Total	2892.949 Sqft		
				or Say	268.764 Sqm		
	@ Rs.	214.44	/ Sqm			Rs	57632.75

10 12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.

<u>Outside plaster area</u>							
	2	25.50		13.58	692.580 sqft		
	2	30.33		13.58	823.763 sqft		
<u>Deduction</u>							
Doors (D)	-5	3.00		6.50	-97.500 Sqft		
Doors (D2)	-1	2.75		6.50	-17.875 Sqft		
Windows (W)	-4	4.00		4.00	-64.000 Sqft		
Windows (W2)	-2	3.00		4.00	-24.000 Sqft		
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft		
				Total	1308.968 sqft		
				or Say	121.607 Sqm		
	@ Rs.	150.02	/ Sqm			Rs	18243.50

11 Suppling, fitting and fixing of MS Door and MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

M.S Gril (Verandah Grill)	1	9.00	6.50		58.500 sqft		
Window Grill	4	4.00	4.00		64.000 sqft		
	2	3.00	4.00		24.000 sqft		
Ventilator Grill	1	2.00	2.00		4.000 sqft		
				Total	150.500 sqft		
				or Say	13.982 Sqm		
Weight		18.50 Kg/sqm		Total	258.666 Kg		
	@ Rs.	135.91	/kg			Rs	35156.00

12 Manufacturing, Supplying, fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc. complete

Window Grill	4	4.00	4.00		64.000 sqft		
	2	3.00	4.00		24.000 sqft		
Ventilator Grill	1	2.00	2.00		4.000 sqft		
				Total	92.000 sqft		
				or Say	8.547 Sqm		
Weight		15.50 Kg/sqm		Total	132.480 Kg		
	@ Rs.	135.91	/kg			Rs	18005.73

13	Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.						
	Doors Chaukath	5	16.00	0.33	0.25	6.60 cft	
					Total	6.60 cft	
					or Say	0.187 Cum	
	@ Rs	93,568.93	/ Cum				Rs 17487.21
14	32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks						
	Doors	5	6.25	2.75		85.94 sqft	
					Total	85.94 sqft	
					or Say	7.984 Sqm	
	@ Rs	1,638.19	/sqm				Rs 13079.10
15	Priming one coat with approved wood primer on new work of wood						
	Doors Chaukath	5	16.00	1.16		92.80 sqft	
					Total	92.8 sqft	
					or Say	8.621 Sqm	
	@ Rs	53.49	/sqm				Rs 461.12
16	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows						
	same as Item No-11 & 12					22.53 sqm	
	@ Rs	53.28	/sqm				Rs 1200.24
17	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows						
	same as Item No-11 & 12					22.53 sqm	
	@ Rs	152.32	/sqm				Rs 3431.71
18	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete						
	same as Item No- 14					7.98 sqm	
	@ Rs	148.22	/sqm				Rs 1183.41
20	Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slury mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)with wall rise 0.25 ft with same material						
	M.Bed Room	1	10.91	10.25		111.828 sqft	
	Drawing Room	1	8.58	10.25		87.945 sqft	
	Verandah	1	4.25	10.25		43.563 sqft	
	Kitchen Room	1	8.25	7.33		60.473 sqft	
	Dinning Room	1	9.17	7.08		64.924 sqft	
	Office Room	1	10.25	10.25		105.063 sqft	
						473.794 sqft	
					or Say	44.017 Sqm	
	@ Rs.	1,569.82	/sqm				Rs 69098.72
21	Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete.						
	Toilet	2	7.08		6.00	84.960 sqft	
		2	5.25		6.00	63.000 sqft	
	Deduction						
	Kitchen	1	8.00		3.50	28.000 sqft	
		1	7.00		3.50	24.500 sqft	
						200.460 sqft	
					or Say	18.623 Sqm	
	@ Rs.	1,215.57	/sqm				Rs 22637.97

22 Priming one coat with approved primer over the plastered wall surface

Outside plaster area

	2	25.50	12.47	635.970 sqft
	2	30.33	12.47	756.430 sqft

Inner Plastering area

M. Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft
Office Room	1	10.00	9.50	95.000 sqft

Deduction both outer & inner

Doors (D)	-10	3.00	6.50	-195.000 Sqft
Doors (DZ)	-2	2.75	6.50	-35.750 Sqft
Windows (W)	-8	4.00	4.00	-128.000 Sqft
Windows (W2)	-4	3.00	4.00	-48.000 Sqft
Ventilator (Toilet)	-2	2.00	2.00	-8.000 Sqft

3333.884 Sqft

or Say 309.728 Sqm

@ Rs. 65.96 /sqm Rs 20428.92

23 Distemping two coats to walls with distemper of approved shade on new work to given an even shade

M. Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft

Kitchen Room	1	8.00	7.08	56.640 sqft		
Deduction						
Doors (D)	-5	3.00	6.50	-97.500 Sqft		
Doors (D2)	-1	2.75	6.50	-17.875 Sqft		
Windows (W)	-4	4.00	4.00	-64.000 Sqft		
Windows (W2)	-2	3.00	4.00	-24.000 Sqft		
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft		
			<b>Total</b>	<b>2053.86 sqft</b>		
			<b>or Say</b>	<b>190.810</b>	<b>Sqm</b>	
	<b>@ Rs.</b>	<b>73.79</b>	<b>/sqm</b>		<b>Rs</b>	<b>14079.96</b>

24 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

Outside plaster area

	2	25.50	12.83	654.330 sqft		
	2	30.33	12.83	778.268 sqft		
Deduction						
Doors (D)	-5	3.00	6.50	-97.500 Sqft		
Doors (D2)	-1	2.75	6.50	-17.875 Sqft		
Windows (W)	-4	4.00	4.00	-64.000 Sqft		
Windows (W2)	-2	3.00	4.00	-24.000 Sqft		
Ventilator (Toilet)	-1	2.00	2.00	-4.000 Sqft		
				<b>1225.223 sqft</b>		
			<b>or Say</b>	<b>113.827</b>	<b>Sqm</b>	
	<b>@ Rs.</b>	<b>53.11</b>	<b>/sqm</b>		<b>Rs</b>	<b>6044.93</b>

25 Add cost of PVC Door (Toilet) on L.S 1 no 3500 L.S Rs 3500.00

26 Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing etc. complete. On L.S L.S 25000.00

27 Add for fitting and fixing Toilet ( Latrin pan with exhaust ), Bath room fitting ,wash basin , kitchen Sink with PH work on L.S

L.S Rs 25000.00

**Total** Rs **1020813.60**

28 Add GST -18%

**183746.45**

Grand Total Rs **1204560.04**

Limited to Rs **1204000.00**

*(Rupees Twelve Lakh Four Thousand) only*

*H/da*  
Asst. Conservator of Forest,  
M. Berhampur Range

Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.

*[Signature]*  
**FORESTER**  
Chatrapur Section

*[Signature]*  
Assistant Executive Engineer  
(R & B) Sub-Division  
CHATRAPUR

*H/da*  
Asst. Conservator of Forest,  
M. Berhampur Range

## Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing , breaking clods and laying in layer and leveling bed etc complete				
	<b>As per A/R, item-2(a),page-1</b>				
	Mulla	32 nos @ Rs		345.00	11040.00
	Total				11040.00
	Add 20% extra towards excavation of foundation				2208.00
					13248.00
	Add 15% for O.H Charges and Contractors profit				1987.20
	<b>Total</b>			Rs	15235.20 / 100 Cum
				Rs	152.35 /cum
	Labour Cess 1%			Rs	1.52
	<b>Total</b>			Rs	153.88 /cum
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	<b>As per A/R, item-15,page-8</b>				
	Data for 100 cum				
	Sand	100.00 Cum@ Rs		71.16	7116.00
	Mulla	12.36 nos @ Rs		345.00	4264.20
	Total				11380.20
	Carriage & royalty of sand	100.00 Cum@ Rs		184.67	18467.00
				Rs	29847.20 /100 cum
	Add 15% for O.H Charges and Contractors profit			Rs	4477.08
				Total	34324.28 /100 cum
		Per Cum			343.24 /cum
	Labour Cess 1%			Rs	3.43
	<b>Total</b>			Rs	346.68 /cum
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting , lowering and laying in layers not exceedind 15 cm thick to the required level , ramming watering and curing etc complete including all cost , conveyance, taxes and royalties of all materials complete.				
	<b>As per A/R, item-4,page-43</b>				
	HG metal 40m size	0.96 Cum@ Rs		983.89	944.53
	Sand	0.48 Cum@ Rs		74.97	35.99
	Cement	1.72 Qntl@ Rs		630.00	1083.60
	Mason 2nd Class	0.18 nos @ Rs		435.00	78.30
	Mulla	3.9 nos @ Rs		345.00	1345.50
	Total				3487.92
	Carriage & Royalty of metal	0.96 Cum@ Rs		279.67	268.48
	Carriage & Royalty of sand	0.48 Cum@ Rs		184.67	88.64
	Carriage of cement	1.72 Qntl@ Rs		16.17	27.81
				Total	3872.86
	Add 15% for O.H Charges and Contractors profit			Rs	580.93
	Labour Cess 1%			Rs	38.73
	<b>Total</b>		per cum	Rs	4492.51 /cum
4	R.R.H.G. Stone masonry in cement mortar (1:6) in foundation & plinth including cost, conveyance, and royalty of all materials complete.				
	<b>As per A/R, item-3 ,page-75</b>				

Rough Stone grinte	1.00 Cum@ Rs	163.53	163.53
Sand	0.34 Cum@ Rs	74.97	25.49
Cement	0.8151 Qntl@ Rs	630.00	513.51
Mason 1st class	0.35 nos @ Rs	495.00	173.25
Mason 2nd class	1.41 nos @ Rs	435.00	613.35
Mulia	3.17 nos @ Rs	345.00	1093.65
Total			2582.78
Carriage & royalty of stone	1.00 Cum@ Rs	279.67	279.67
Carriage & royalty of sand	0.34 Cum@ Rs	184.67	62.79
Carriage of cement	0.8151 Qntl@ Rs	16.17	13.18
Total	/ cum	Rs	2938.42 / cum
Add 15% for O.H Charges and Contractors profit		Rs	440.76
Labour Cess 1%		Rs	29.38
<b>Rate per one Cum</b>		Rs	<b>3408.57 / cum</b>

- 5 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

**As per A/R, item-3, page-71**

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	4.115	1646.16
sand	0.28 Cum@ Rs	74.97	20.99
Cement	0.672 Qntl@ Rs	630.00	423.36
mason 1st class	0.35 nos @ Rs	495.00	173.25
mason 2nd class	1.05 nos @ Rs	435.00	456.75
Mulia	2.96 nos @ Rs	345.00	1021.20
Total per one cum			3741.71
Carriage & royalty of sand	0.28 Cum@ Rs	184.67	51.71
Carriage of Cement	0.672 Qntl@ Rs	16.17	10.87
Carriage of bricks	400 nos (1 cum)@ Rs	0.38691	154.76
Total		Rs	3959.05
Add 15% for O.H Charges and Contractors profit		Rs	593.86
Labour Cess 1%		Rs	39.59

**For foundation ,Plinth & Super  
strucure**

Rs **4592.50 /cum**

- 6 R.C.C.work of M-20 grade with cement concrete proportionation [1:1.5:3] and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

**As per A/R, item-4, page-50**

Data for 15 Cum

**Material**

HG chips 20 mm size	8.10 Cum@ Rs	1428.51	11570.93
HG chips 10mm size	5.40 Cum@ Rs	1561.77	8433.56
Sand	6.75 Cum@ Rs	74.97	506.05
Cement	52.10 Qntl@ Rs	630.00	32823.00

**Labour**

Mate	0.86 nos @ Rs	385.00	331.10
Mason 2nd class	1.5 nos @ Rs	435.00	652.50
Man mulia	20 nos @ Rs	345.00	6900.00

**Machinery**

Concrete mixture	6 hour	177.00	1062.00
Generator 33 KVA	6 hour	240.00	1440.00
			63719.14

**Conveyance & royalty**

20 mm size chips	8.1 Cum@ Rs	279.67	2265.33
10 mm size chips	5.4 Cum@ Rs	279.67	1510.22
Sand	6.75 Cum@ Rs	184.67	1246.52
cement	52.1 Qntl@ Rs	16.17	842.46
Total	per 15 cum	Rs	69583.66

	Per 1 cum	Rs	4638.91 /cum
Add 15% for O.H Charges and Contractors profit		Rs	695.84
Labour Cess 1%		Rs	46.39
<b>Rate for Ground Floor</b>		Rs	<b>5381.14 /cum</b>

7 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

As per A/R, item-9, page-52

Data for 1.0 MT

**A) Material cost**

HYSD bar including 5%

overlap and wastage

Binding wire

1.05	MT	64500.00	67725.00
8.00	Kg	91.28	730.24

**B) Labour**

Mate

Black smith Spl

Mulla

carriage of Steel

0.44 nos @ Rs	385.00	169.40
3 nos @ Rs	495.00	1485.00
8 nos @ Rs	345.00	2760.00
1.05 MT @Rs	161.72	169.81

Total 73039.45 / MT

Add 15% for O.H Charges and Contractors profit

Labour Cess 1%

Rs 10955.92

Rs 730.39

**Total**

84725.76 / MT

**Rate for Ground floor**

Rs **7303.94 /Qntl**

8 Rigid smooth centering & shuttering for RCC works including false work and dismantling then after casting including cost of all materials

As per A/R, item-10, page-53

(i) For RCC foundation, plinth band, footings, base of columns mass concrete

25 mm thick non-sal planks

10.66 sqm for 0.267 cum

Non - sal bullah 80 mm dia. for

suttering

Convey of wood

0.267	cum @ Rs	58374.79	15586.07
12.60	m @ Rs	30.81	388.21
0.3284	cum @ Rs	129.37	42.49

Total

16016.76

Considering the materials to be used for 10 times

For once use

Carpenter( 2nd class)

SS Mulla

0.50 nos @ Rs	435.00	217.50
0.50 nos @ Rs	385.00	192.50

For 10 Sqm

For one Sqm

Total 2011.68

201.17

**Total**

Rs 201.17 sqm

Add 15% for O.H Charges and Contractors profit

Labour Cess 1%

Rs 30.18

Rs 2.01

**Ground floor Rate per one sqm**

Rs **233.35 sqm**

(ii) For RCC Intel band Details for 7.8 sqm.

38 mm thick non-sal planks

10.87 sqm for 0.413 cum

120 mm dia Non-Sal bullah

0.413	cum @ Rs	58374.79	24108.79
21.00	mt @ Rs	41.81	878.01

Carriage of wood

0.689	cum @ Rs	129.37	89.14
Total		25075.93	

Considering the materials to be used for 10 times

For once use

Carpenter 2nd class

SS Mulla

25075.93	/10	2507.59
1.25 nos @ Rs	435.00	543.75
1.25 nos @ Rs	385.00	481.25

Cost of nails				30.00
				3562.59
Total for 7.80 sqm				3562.59
Total				456.74 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	68.51
Labour Cess 1%			Rs	4.57 /sqm

**Ground floor Rate per one sqm**

Rs	529.82 /sqm
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**(iii) For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas upto**

Non-sal Wood scanting	0.112	cum @ Rs	58374.79	6537.98
Plank 38 mm	0.34	cum @ Rs	58374.79	19847.43
120 mm dia -Sal bullah	56.00	m @ Rs	51.87	2904.72
Carriage of wood	1.142	cum @ Rs	129.37	147.74
				29437.87

Considering the materials to be used for 10 times

For once use	29437.87	/10		2943.79
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75
Total				5198.79
Total / 9 sqm				577.64
				577.64 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	86.65
Rs	5.78

**Ground floor Rate per one sqm**

Rs	670.07 /sqm
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**(iv) For RCC beams, Column, girder and bressmer, etc. Data for 4.20 sqm.**

38 mm thick non-sal planks				
5.73 sqm for 0.218 cum	0.218	cum @ Rs	58374.79	12725.70
120 mm dia Sal bullah	15.20	m @ Rs	51.87	788.42
80 mm dia non-sal bullah for brassing	8.00	m @ Rs	41.81	334.48
Carriage of wood	0.456	cum @ Rs	129.37	58.99
				13907.60

Considering the materials to be used for 10 times

For once use	13907.60	/10		1390.76
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75
Cost of nails L.S				30.00
Total / 4.2 sqm			Total	3675.76
Total / sqm				875.18
				875.18 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	131.28
Rs	8.75

**Ground floor Rate per one sqm**

Rs	1015.21 /sqm
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C.C.(1:2:4) with 12 mm hard broken granite chips for CC works including cost, conveyance and royalty of all materials complete.

**As per A/R, item-7, page-44**

HG chips 12 mm size	0.9	cum @	Rs	1475.83	1328.25
Sand	0.45	cum @	Rs	74.97	33.74
Cement	3.23	qntl @ Rs		902.94	2916.50
Mason 2nd class	0.68	nos @Rs		435.00	295.80
Man Mulia	4.6	nos @Rs		345.00	1587.00
Total			Rs	3489.28	
Carriage & royalty of chips	0.9	cum @	Rs	279.67	251.70

Carriage & royalty of sand	0.45 cum @	Rs	184.67	83.10
Carriage of cement	4.29 qntl @	Rs	16.17	69.37
<b>Total</b>				
	per cum		Rs	3788.32 /cum
Add 15% for O.H Charges and Contractors profit			Rs	568.25
Labour Cess 1%			Rs	37.88
<b>Ground floor Rate per one cum</b>			Rs	<b>4394.45 /cum</b>

**10 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work**

HG chips 4.7 mm size	0.0169 Cum@	Rs	902.94	15.26
Sand	0.0169 Cum@	Rs	30.81	0.52
Cement	0.1208 Qntl@	Rs	630.00	76.10
Mason 1stclass	0.10 nos @	Rs	495.00	49.50
Mulla	0.36 nos @	Rs	345.00	124.20
<b>Total</b>				265.584375
Carriage & royalty of chips	0.0169 Cum@	Rs	279.67	4.73
Carriage & royalty of sand	0.0169 Cum@	Rs	184.67	3.12
Carriage of cement	0.1208 Qntl@	Rs	16.17	1.95
<b>Rate for Ground floor</b>		Total	Rs	275.39 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	41.31
Labour Cess 1%			Rs	2.75
<b>Ground floor Rate per one sqm</b>			Rs	<b>319.45 /sqm</b>

**11 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.**

<b>As per A/R, item-4, page-103</b>				
Sand	0.015 Cum@	Rs	74.97	1.12
Cement	0.0358 Qntl@	Rs	630.00	22.55
Mason 2nd class	0.14 nos @	Rs	435.00	60.90
Mulla	0.12 nos @	Rs	345.00	41.40
<b>Total</b>				125.98
Carriage & royalty of sand	0.015 Cum@	Rs	184.67	2.77
Carriage of cement	0.0358 Qntl@	Rs	16.17	0.58
				129.33
<b>Total</b>		Total	Rs	129.33 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	19.40
Labour Cess 1%			Rs	1.29
<b>Ground floor Rate per one sqm</b>			Rs	<b>150.02 /sqm</b>

**12 16 mm thick cement plastering (1:6) over brick or stone wall including cost, conveyance, royalty etc. complete.**

<b>As per A/R, item-14, page-105</b>				
Sand	0.018 Cum@	Rs	74.97	1.35
Cement	0.043 Qntl@	Rs	630.00	27.09
Mason 2nd class	0.16 nos @	Rs	435.00	69.60
Mulla	0.24 nos @	Rs	345.00	82.80
<b>Total</b>			Rs	180.84
Carriage & royalty of sand	0.018 Cum@	Rs	184.67	3.32
Carriage of cement	0.043 Qntl@	Rs	16.17	0.70
		Total		184.86
<b>Total</b>		Total	Rs	184.86 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	27.73

Labour Cess 1%

Rs 1.85

**Ground floor Rate per one sqm**

Rs 214.44 /sqm

- 13 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all matarial,labour,T&P etc Complete with all request

As per A/R, item- 4, page- 225

For 1 qntl.

Data for 0.508 qntl.

Labour

Black Smith(Special)	0.75 nos @ Rs	495.00	371.25
Black Smith(Second class)	1.00 nos @ Rs	435.00	435.00
Fitter(Special)	1.00 nos @ Rs	495.00	495.50
Fitter(Second class)	1.00 nos @ Rs	435.00	435.44
Helper to Blacksmith	1.00 nos @ Rs	385.00	385.39
Man mulia	3.25 nos @ Rs	345.00	1121.25

Total Rs 3243.82

Rs 3243.82

Rate per qntl.(M.S Angle/ sheet)

Rs 6385.46 /qntl

Rate per Kg.(Labour)

Rs 63.85 /Kg.

Cost of M.S Angle/ sheet( with Transportation ,Loading & unloading)

Rs 53.31 /Kg.

Total Rs 117.17 /Kg.

Add 15% for O.H Charges and

Contractors profit

Rs 17.57

Labour Cess 1%

Rs 1.17

**Ground floorRate per Kg**

Rs 135.91 /Kg

- 14 Distempering two coats to walls with distemper of approved shade on new work to given an even shade including cost of distemper

As per A/R, item-22, page- 99

Data for 10 sqm

cost of Distemper	2.5 Kg @Rs	65.93	164.83
Painter (special)	0.52 nos @ Rs	495.00	257.40
Mulla	0.62 nos @ Rs	345.00	213.90
Total			

Total Rs 636.13

636.13 /10sqm

Per one sqm

63.61 /sqm

Rate per one sqm

Rs 63.61 / sqm

Add 15% for O.H Charges and

Contractors profit

Rs 9.54

Labour Cess 1%

Rs 0.64

**Ground floor Rate per one sqm**

Rs 73.79 /sqm

- 15 Priming one coat with approved primer on new work of wood Data for 9.30 sqm

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulla	0.5 nos @ Rs	345.00	172.50
Sundries, brushes, soap & putties 2%			0.00
			420.00

Cost Primer 0.075 Ltr @ Rs

117.47

8.81

Total Rs 428.81 /sqm

Rate per one sqm

Rs 46.11 /sqm

Add 15% for O.H Charges and

Contractors profit

Rs 6.92

Labour Cess 1%

Rs 0.46

Ground floor Rate per one sqm

Rs 53.49 /sqm

16 Priming( Red oxide) one coat with approved primer on new work Data for 9.30 sqm

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
			420.00
Cost Red oxide	0.070 Ltr @ Rs	102.09	7.12

Rate/9.30 sqm.

Rs 427.12

Rate per one sqm

Rs 45.93 /sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 6.89

Rs 0.46

Ground floor Rate per one sqm

Rs 53.28 /sqm

17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of iron Data for 9.30 sqm.

As per A/R, item-3 ,page-93

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		998.25
	For one sqm		107.34

Cost of Material for 10 sqm

Enamel paint for two coats	1.25 Ltr @ Rs	191.8	239.75
	Total/sqm	Rs	23.98

Rate per one sqm(( Material +  
Labour)

Total/ Sqm

Rs 131.31 / sqm

Total

131.31 / sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 19.70

Rs 1.31

Ground floor Rate per one sqm

Rs 152.32 /sqm

18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows Data for 9.30 sqm.

As per A/R, item-3 ,page-93

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		998.25
	For one sqm		107.34

Cost of Material for 10 sqm

Enamel paint for two coats	1.25 Ltr @ Rs	163.53	204.41
	Total/sqm	Rs	20.44

Rate per one sqm(( Material +  
Labour)

Total/ Sqm

Rs 127.78 / sqm

2% Sundries, brushes, putty  
etc. (Lab)

Rs 0.00

Total

127.78 / sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs 19.17

Rs 1.28

Ground floor Rate per one sqm

Rs 148.22 /sqm

19 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

A) Primer one coat (Data for 9.30 sqm)

As per A/R, item-1 ,page-93

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
Sundries, brushes, soap & putties 2%			0.00
			420.00
Cost wall Primer (water bound)	0.781 Ltr @ Rs	139.27	108.80
	Rate per 9.3 Sqm	Rs	528.80 /sqm
Rate per one sqm	Total (A)	Rs	56.86 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	8.53
Labour Cess 1%		Rs	0.57
<b>Ground floor Rate per one sqm</b>		Rs <b>65.96</b> /sqm	

**B) Paintingn two coat (Data for 10.0 sqm)  
As per A/R, item-18 ,page-98**

Painter special	0.22 nos @ Rs	495.00	108.90
Mulia	0.32 nos @ Rs	345.00	110.40
Sundries, brushes, soap & putties 2%			0.00
			219.30
Cost of Material for 10 sqm			
weather coat Paint for two coats	1.25 Ltr @ Rs	190.81	238.51
	Total/10 sqm	Rs	457.81
Rate per one sqm(( Material + Labour)	Total/ Sqm	Rs	45.78 /sqm
	Total (B)		45.78 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	6.87
Labour Cess 1%		Rs	0.46
<b>Ground floor Rate per one sqm</b>		Rs <b>53.11</b> /sqm	
<b>Rate for Ground Floor</b>	<b>G.Total (A+B)</b>	<b>119.06</b> /sqm	

**20 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors, windows, ventilators and beam.  
As per A/R, item-2 ,page-132**

Data for 0.028 cum			
sal wood scantling sawn	0.028 Cum@ Rs	65662.87	1838.56
carpenter special	0.5 nos @ Rs	495.00	247.50
Man Mulia	0.5 nos @ Rs	345.00	172.50
	for 0.028 Cum	Rs	2258.56
	for 1 Cum	Rs	80662.87
Rate for Ground Floor	Total	Rs	80662.87 / Cum
Add 15% for O.H Charges and Contractors profit		Rs	12099.43
Labour Cess 1%		Rs	806.63
<b>Ground floor Rate per one cum</b>		Rs <b>93568.93</b> /cum	

**21 32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings  
Per 1Sqm  
Data for a doors 1.07m x 2.13m  
a) Material**

Area of shutters  $0.94 \times 2.0m = 1.88sqm$

i) Piasal wood planks for shutters  $2.08 sqm$  or  $0.06656 Cum$   $2.08 sqm$  or  $0.06656 Cum$  Supplied by Department

ii) Wooden hinged cleats 2 nos @ Rs 57.5 115.00

**b) Labour**

Labour for making shutters

(i) Carpenter Special 2 Nos 2 nos @ Rs 495.00 990.00

(ii) Helper 2 Nos. 2 nos @ Rs 385.00 770.00

Labour for fixing shutters

Carpenter 2nd class 1 nos @ Rs 435.00 435.00

Man mulia 1 nos @ Rs 345.00 345.00

Rs 2655.00

Add 15% for O.H Charges and

Contractors profit

Rs 398.25

Labour Cess 1%

Rs 26.55

Rs 3079.8 / 1.88 sqm

**Ground floor Rate per one sqm**

Rs 1638.191 /sqm

- 22 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 jointed with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)

As per A/R, item- 16, page- 89

Detailed for 10 sqm

7mm to 8mm thick vitrified

floor tiles (60 x60)cm size

10 sqm @ Rs 708.51 7085.10

Sand 0.13 Cum @ Rs 74.97 9.75

Cement 1.875 Qntl @ Rs 630.00 1181.25

Cement for slurry st the rate of

4.4 Kg/ sqm 0.44 Qntl @ Rs 630.00 277.20

Cement for grouting 0.44 Qntl @ Rs 630.00 277.20

Mason spl class 2.16 nos @ Rs 495.00 1069.20

SS mulia or rubbing mulia 5.50 nos @ Rs 385.00 2117.50

Mulia 2.16 nos @ Rs 345.00 745.20

Total per 10 sqm 12762.40

Rate per one sqmt

Total 1276.24 /sqm

Carriage & royalty of sand 0.13 Cum @ Rs 184.67 24.01

Carriage of cement 2.755 Qntl @ Rs 16.17 44.55

Total /sqm Rs 1344.80 /sqm

Wax polishing 8.50 /sqm

Rate per sqm Rs 1353.30 /sqm

Add 15% for O.H Charges and

Contractors profit

Rs 202.99

Labour Cess 1%

Rs 13.53

**Ground floor Rate per one sqm**

Rs 1569.82 /sqm

- 23 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cm x 20cm size) etc. complete.

As per A/R, item- 17, page- 90

6.5mm to 6.7 mm Ceramic tiles( 20x20)cm

10 sqm @ Rs 336.12 3361.20

Sand 0.15 Cum @ Rs 74.97 11.25

Cement 0.715 Qntl @ Rs 630.00 450.45

Cement slurry 4.40Kg/sqmt 0.66 Qntl @ Rs 630.00 415.80

Mason spl 3.25 each @ Rs 495.00 1608.75

Mulia 3.25 each @ Rs 345.00 1121.25

Semi- skilled mulia for rubbing	7.6 each @ Rs	385.00	2926.00
	Total	Rs	9894.70
Rate per one sqmt	per 10 sqm	Total	989.47 /sqm
Overhead Charges @ 10%			0.00
Carriage & royalty of sand	0.15 Cum@ Rs	184.67	27.70
carriage of cement	1.375 Qntl@ Rs	16.17	22.23
		Rs	1039.40 /sqm
Wax ploishing			8.50 /sqm
Rate per sqm		Rs	1047.90 /sqm
Add 15% for O.H Charges and			
Contractors profit		Rs	157.19
Labour Cess 1%		Rs	10.48
<b>Ground floor Rate per one</b>			
<b>sqm</b>		Rs	<b>1215.57 /sqm</b>

- 24 Supply, fitting ,fixing up Window (sliding type) made up aluminum section No-151-154, 151-155, as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thincludingck glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes, labour etc. completed.  
As per A/R, item-7 ,page-240

Data for 4'-0" X 4'-0" =16sqft or , 1.49 sqm

**(a) Materials**

Aluminum Sec. No- 151-154	2.44 mt@ 0.875 kg/m = 2.13 Kg
Top & Bottam Sec. No- 151-155	2.44 mt@ 0.765 kg/m = 1.87 Kg
Inter Lock Sec No - 151-153	2.44 mt@ 0.492 kg/m = 1.20 Kg
Aluminum Sec. No- 151-152	2.44 mt@ 0.465kg/m = 1.13 Kg
H- Section No- 151-167	<u>2.44 mt@ 0.587 kg/m = 1.43 Kg</u>
	Total = 7.76 Kg

Westage 10% = 0.77 kg

Aluminum section	8.53 Kg @	Rs	226.37	1930.9361
PVC plug	8 no.s @ RS		1.50	12.00
Al. screws of different size	LS			30.00
U rubber beading	9.75 mt @ Rs		7.00	68.25
5 mm thick black glass	1.493 sqm			
westage 10%	<u>0.15 sqm</u>			
	1.64 sqm @ Rs		553.59	907.88
Al. wheel runner	8 no. @ Rs		25.00	200.00
Handle with lock	2 no. @ Rs		40.00	80.00
Hire charges of drills machine	1 day @ Rs		100.00	100.00

**(b) Labour**

Carpenter 1st class	5.33 no	495.00	2638.35
Mulia	5.33 no	345.00	1838.85
	Rate /1.49 sqm		7806.27
	Rate /sqm		5239.10 /Sqm

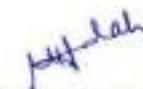
Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

**Ground floor Rate per one**  
**sqm**

Rs **6077.36 /sqm**

  
**FORESTER**  
Chatrapur Section

  
Assistant Executive Engineer  
(R & B) Sub-Division  
CHATRAPUR

  
Asst. Conservator of Forests, ...  
Jc. Berhampur Range  
Jc. Berhampur Range

**DETAILED ABSTRACT OF ESTIMATE**

**Construction of Forest Guard Quater at Gopalpur Beat**

Sl. No.	Description of Work	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	45.731	cum	153.88	7036.82
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc complete.	41.295	cum	346.68	14315.95
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.	13.855	cum	4492.51	62244.68
4	R.C.C.work of M-20 grade with cement concrete proportion (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	22.564	cum	5381.14	121421.49
5	Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.	20.866	Qntl	7303.94	152404.85
6 (i)	Rigid smooth Centering & Shuttering in RCC work & dismantalled the same after casting etc. Complete (I)RCC foundation,plinth band,footings,base of columns mass concrete	62.104	sqm	233.35	14492.23
(ii)	Rigid smooth Centering & Shuttering RCC Lintel band	14.287	sqm	529.82	7569.62
(iii)	Rigid smooth Centering & Shuttering R.C.C floor and roof slab, landing, balconies, projecting sunshadesand chajjas	90.936	sqm	670.07	60933.41
(iv)	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	38.479	sqm	1015.21	39063.88
7	2.5 cm thick grading with c.c (1:2:2) including gradinging using 4.7 mm hard broken granite chips on new work.	64.048	sqm	319.45	20459.76
8	First class KB brick masonry in C.M.(1:6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.	36.843	cum	4592.50	169199.67
9	16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost,conveyance, royalty etc. complete.	268.76	sqm	214.44	57632.75
10	12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.	121.61	sqm	150.02	18243.50
11	Suppling, fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request	258.67	Kg	135.91	35156.00
12	Manufacturing,Supplying,fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc.complete	132.48	Kg	135.91	18005.73
13	Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.	0.1869	cum	93568.93	17487.21

14	32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks	7.984	sqm	1638.19	13079.10
15	Priming one coat with approved wood primer on new work of wood	8.6214	sqm	53.49	461.12
16	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows.	22.53	sqm	53.28	1200.24
17	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	22.53	sqm	152.32	3431.71
18	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete	7.98	sqm	148.22	1183.41
20	Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 jointed with neat cement slury mixed with pigment to match the shades of the tiles etc. complete { Ceramic Votrified tile of 60 cm * 60 cm size}with wall rise 0.25 ft with same material	44.017	sqm	1569.82	69098.72
21	Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigments to match the shade of the tile { Ceramic wall tile of 20cm*20cm size}etc. complete.	18.623	sqm	1215.57	22637.97
22	Priming one coat with approved primer over the plastered wall surface	309.73	sqm	65.96	20428.92
23	Distemping two coats to walls with distemper of approved shade on new work to given an even shade	190.81	sqm	73.79	14079.96
24	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	113.83	sqm	53.11	6044.93
25	Add cost of PVC Door (Toilet) L.S	1		3500	3500.00
26	Add for Electrification work of Concealed coper-Wiring of approved quality with modular pannel, earthing and out door lighting makes as per plan etc. complete. On L.S				25000.00
27	Add for fitting and fixing Toilet ( Latria pan with exhaust ), Bath room fitting, wash basin, kitchen Sink with PH work including Over Head PVC Tank and Construction of Septic tank with RCC plate cover on L.S				25000.00
Total					1020813.60
Add GST -18%					183746.45
Total					1204560.04
or say Grand Total					1204000.00

(Rupees Twelve Lakh Four Thousand) only

*M. H. H. H.*  
Asst. Conservator of Forest  
I/c. Berhampur Range

*J. S.*  
**FORESTER**  
Chatrapur Section

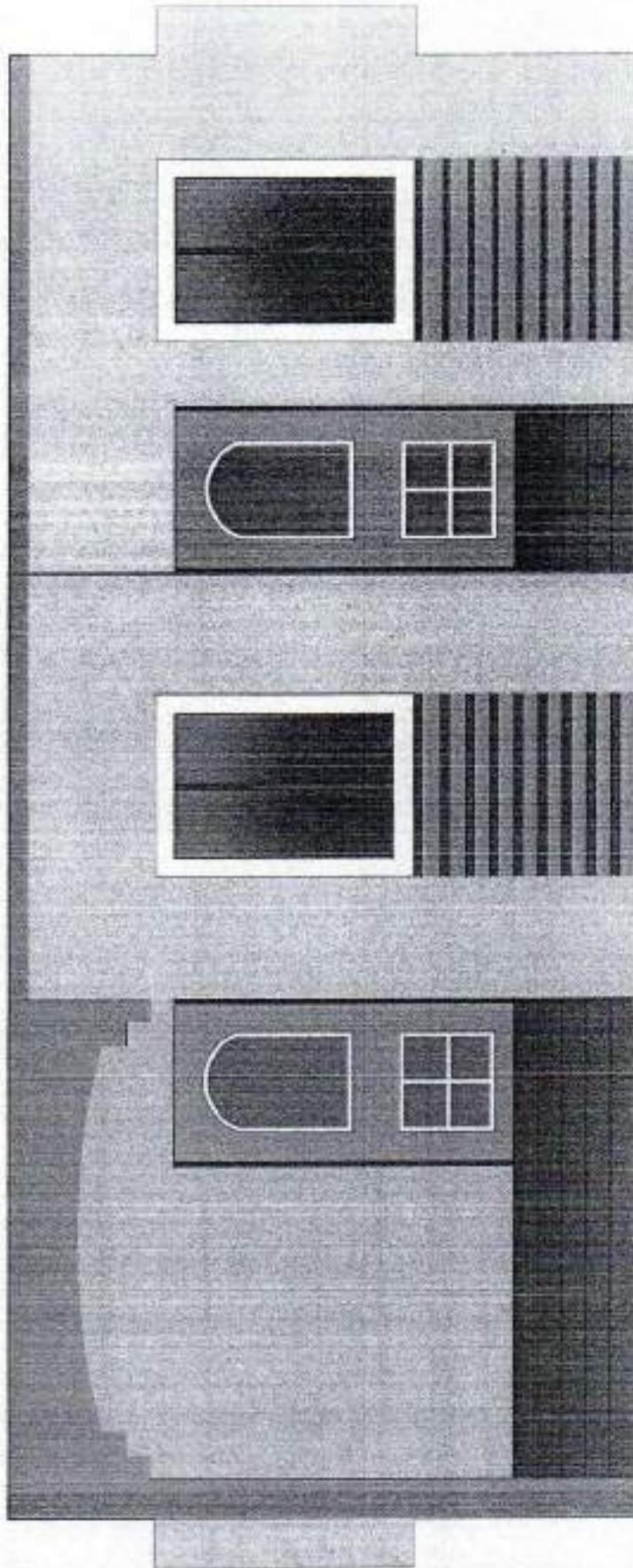
*M. P. S.*  
Assistant Executive Engineer  
(R & B) Sub-Division  
CHATRAPUR

### Lead Statement of Materials (Post GST)

	2	3	4	5	6	7	8	9	10	11	12	13
		Location	Unit	Basic Cost of materials post GST	Distance in KM	Initial lead upto 5 Km in Rs	Extra lead 5 to 50 Km	Extra lead beyond 50 Km	Conveyance (7+8+9)	Royalty	Conveyance + Royalty	Total
2			1000 Nos	4115.4	5	386.91	0.00	0.00	386.91	0.00	386.91	4502.31
3	3 cmx11 cmx8cm	Local										
4	ash brick	Local	cum	71.16	5	149.67	0.00	0.00	149.67	35.00	184.67	255.83
5	Brick	Local	cum	74.97	5	149.67	0.00	0.00	149.67	35.00	184.67	259.64
6	Brick	Local	lit	163.53	5	0	0.00	0.00	0.00	0.00	0	163.53
7	Brick	Local	cum	983.89	5	149.67	0.00	0.00	149.67	130.00	279.67	1263.56
8	Brick	Local	cum	1428.51	5	149.67	0.00	0.00	149.67	130.00	279.67	1708.18
9	Brick	Local	cum	1475.83	5	149.67	0.00	0.00	149.67	130.00	279.67	1755.50
10	Brick	Local	cum	1561.77	5	149.67	0.00	0.00	149.67	130.00	279.67	1841.44
11	Brick	Local	cum	983.89	5	149.67	0.00	0.00	149.67	130.00	279.67	1263.56
12	Brick	Local	cum	902.94	5	149.67	0.00	0.00	149.67	130.00	279.67	1182.61
13	Brick	Local	Quintel	630.00	5	16.17	0.00	0.00	16.17	0.00	16.17	646.17
14	Brick	Local	Tone	64500	5	161.72	0.00	0.00	161.72	0.00	161.72	64661.72
15	Brick	Local	Kg	91.28	5	0.16	0.00	0.00	0.16	0.00	0.16	91.44
16	Brick	Local	Rmt	51.87	5	0	0.00	0.00	0.00	0.00	0	51.87
17	Brick	Local	Rmt	124.26	5	7.31	0.00	0.00	7.31	0.00	7.31	131.57
18	Brick	Local	Rmt	30.81	5	0	0.00	0.00	0.00	0.00	0	30.81
19	Brick	Local	Rmt	41.81	5	0	0.00	0.00	0.00	0.00	0	41.81
20	Brick	Local	Rmt	41.81	5	0	0.00	0.00	0.00	0.00	0	41.81
21	Brick	Local	Rmt	67.82	5	0	0.00	0.00	0.00	0.00	0	67.82
22	Brick	Local										
23	Brick	Local	cum	65533.5	5	129.37	0.00	0.00	129.37	0.00	129.37	65662.87
24	Brick	Local	cum	58374.79	5	129.37	0.00	0.00	129.37	0.00	129.37	58504.16
25	Brick	Local	cum	13268.45	5	129.37	0.00	0.00	129.37	0.00	129.37	13397.82
26	Brick	Local										
27	Brick	Local	Sq.m.	336.12	5	5.37	9.90	0.00	15.27	0.00	15.27	351.39
28	Brick	Local	Sq.m.	381.95	5	5.37	9.90	0.00	15.27	0.00	15.27	397.22
29	Brick	Local	Sq.m.	577.7	5	5.37	9.90	0.00	15.27	0.00	15.27	592.97



bt



10/24/2020  
5/8/10/2020  
A.C.F (CAMP)

*[Signature]*  
Dy. CF (CAMP)  
O/o PCCF, Odisha

*[Signature]*  
18/10/2020  
A.C.F (CAMP)

*[Signature]*  
Chief Executive Officer  
State - CAMP, Odisha

*[Signature]*  
O/o. PCCF & HoFF, Odisha

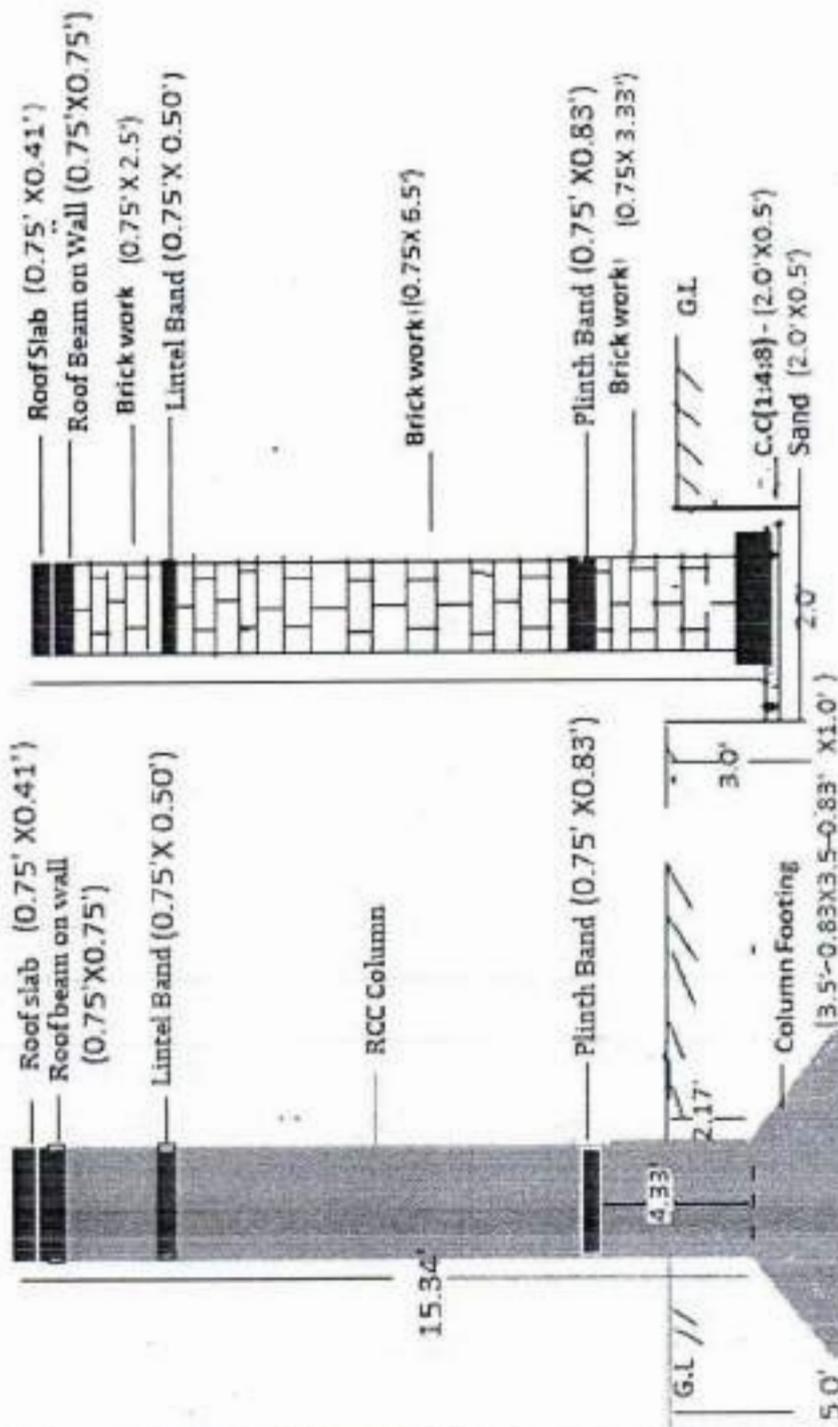
*[Signature]*  
Principal Chief Commissioner of Forests  
Forest Division & Nodal Officer, FC Act

NAME OF THE CONSULTANT:  
**SOVA CONSULTANTS**  
Approved by Govt. of Odisha (No. 109 8001/2013 Conf/Def.)  
Soil Testing Laboratory & Engineering Consultant  
Plot No. 40/11/11/04, 941700009  
E-mail: sovaconsultants@gmail.com

**PROPOSED ELEVATION OF FOREST GUARD QUARTER.**



## Cross Section Plan for Construction of Forest Guard Quater



C.S of Super structure

C.S OF RCC Structure

  
 Assistant Executive Engineer  
 (R & B) Sub-Division  
 CHATRAPUR

  
**FORESTER**  
 Chatrapur Section

Asst. Conservator (R & B)  
 M. Barhanpur Range



**GOVERNMENT OF ODISHA**

**FOREST, ENVIRONMENT AND CLIMATE CHANGE**  
**DEPARTMENT**

<b>Name of Work</b>	: Construction of Forest Guard Quarter at Karapalli Beat
<b>Name of the Scheme</b>	: CAMPA (APO) 2023-24
<b>Estimated Cost</b>	: Rs 1204000/-
<b>Name of the Range</b>	: Berhampur Range
<b>Name of the Division</b>	: Berhampur Division.
<b>Name of the District</b>	: Ganjam

## Detailed item wise Estimate for Construction of Forest Guard Quater at Karapalli Beat of Berhampur Range

CIVIL WORKS OF THE BUILDING Ground Floor			Quantity of work volume/Area/Wt.					
Sl. No	Description of Item	No.	Length (in ft)	Breadth (in ft)	Height (in ft)	Quantity	Unit	Amount (in Rs.)

1 Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.

### Foundation Trench

Column	9	4.00	4.00	5.00	720.000 Cft	
Long wall	3	25.50	2.00	3.00	459.000 Cft	
	1	11.66	2.00	3.00	69.960 Cft	
Cross wall	3	9.00	2.00	3.00	162.000 Cft	
	4	6.00	2.00	3.00	144.000 Cft	
	2	9.00	2.00	3.00	108.000 Cft	
Step( Verandah)	1	10.00	4.00	1.00	40.000 Cft	
Step( Office)	1	5.00	4.00	1.00	20.000 Cft	
Deduction Column	-9	2.00	2.00	3.00	-108.000 Cft	
				Total	1614.960 Cft	
				or Say	45.731 Cum	
	@	Rs	153.88 /cum		Rs	7036.82

2 Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.

### Foundation Trench

Column	9	4.00	4.00	0.50	72.000 Cft	
Wall trench						
Long wall	3	25.50	2.00	0.50	76.500 Cft	
	1	11.66	2.00	0.50	11.660 Cft	
Cross wall	3	9.00	2.00	0.50	27.000 Cft	
	4	6.00	2.00	0.50	24.000 Cft	
	2	9.00	2.00	0.50	18.000 Cft	
Step( Verandah)	1	10.00	4.00	0.50	20.000 Cft	
Step( Office)	1	5.00	4.00	0.50	10.000 Cft	
<b>Plinth Filling</b>						
M.Bed Room	1	10.66	10.00	2.50	266.500 Cft	
Drawing Room	1	8.33	10.00	2.50	208.250 Cft	
Verandah	1	4.00	10.00	2.50	100.000 Cft	
Kitchen Room	1	8.00	7.08	2.50	141.600 Cft	
Dinning Room	1	8.92	7.08	2.50	157.884 Cft	
Toilet	1	5.25	7.08	2.50	92.925 Cft	
Office Room	1	10.00	10.00	2.50	250.000 Cft	
Deductio Column	-9	2.00	2.00	0.50	-18.000 Cft	
				Total	1458.319 Cft	
				or Say	41.295 Cum	
	@	Rs	346.68 /cum		Rs	14315.95

3 Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting , lowering and laying in layers not exceedind 15 cm thick to the required level , ramming watering and curing etc complete including all cost , conveyance, taxes and royalties of all materials complete.

### Foundation Trench

Column	9	4.00	4.00	0.50	72.000 Cft
Wall trench					
Long wall	3	25.50	2.00	0.50	76.500 Cft
	1	11.66	2.00	0.50	11.660 Cft
Cross wall	3	9.00	2.00	0.50	27.000 Cft
	4	6.00	2.00	0.50	24.000 Cft
	2	9.00	2.00	0.50	18.000 Cft
Step ( Verandah)	1	10.00	4.00	0.33	13.200 Cft

Step( Office)	1	5.00	4.00	0.33	6.600 Cft
<b>Inside Room Flooring</b>					
M.Bed Room	1	10.66	10.00	0.50	53.300 Cft
Drawing Room	1	8.33	10.00	0.50	41.650 Cft
Verandah	1	4.00	10.00	0.50	20.000 Cft
Kitchen Room	1	8.00	7.08	0.50	28.320 Cft
Dinning Room	1	8.92	7.08	0.50	31.577 Cft
Toilet	1	5.25	7.08	0.50	18.585 Cft
Office Room	1	10.00	10.00	0.50	50.000 Cft
Deductio Column	-9	0.83	0.83	0.50	-3.100 Cft
				Total	489.292 Cft
				or Say	13.855 Cum
@	Rs		4,492.51	/cum	Rs

62244.68

4 R.C.C.work of M-20 grade with cement concrete prooportation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

i)Column base	9	3.50	3.50	0.83	91.508
column footing		$\frac{1}{3}((0.83 \times 0.83) + (3.5 \times 3.5)) + \sqrt{((0.83 \times 0.83) \times (3.5 \times 3.5))}$			
$V = \frac{1}{3}(A1 + A2 + \sqrt{A1 \times A2})H$	9			1.00	58.090
ii)Column	9	0.75	0.75	15.34	77.659
<b>III)Ground Beam</b>					
	3	25.50	0.83	0.83	52.701 Cft
	1	11.66	0.83	0.83	8.033 Cft
	3	9.00	0.83	0.83	18.600 Cft
	4	6.00	0.83	0.83	16.534 Cft
	2	9.00	0.83	0.83	12.400 Cft
Deduction column	-9	0.75	0.75	0.83	-4.202 Cft
(v) Plinth Beam					
	3	25.50	0.83	0.75	47.621 Cft
	1	11.66	0.83	0.75	7.258 Cft
	3	9.00	0.83	0.75	16.808 Cft
	4	6.00	0.83	0.75	14.940 Cft
	2	9.00	0.83	0.75	11.205 Cft
Deduction column	-9	0.75	0.75	0.75	-3.797 Cft
v) Lintel Band					
	3	25.50	0.75	0.50	28.688 Cft
	1	11.66	0.75	0.50	4.373 Cft
	3	9.00	0.75	0.50	10.125 Cft
	4	6.00	0.75	0.50	9.000 Cft
	2	9.00	0.75	0.50	6.750 Cft
Deduction column	-9	0.75	0.75	0.50	-2.531 Cft
<b>vii) Chajja</b>					
verandah	1	10.00	2.00	0.25	5.000 Cft
window	3	6.00	1.50	0.25	6.750 Cft
	4	5.00	1.50	0.25	7.500 Cft
kitchen plate	1	8.00	1.50	0.25	3.000 Cft
	1	7.00	1.50	0.25	2.625 Cft
Inside Room					
Bed Room	1	10.66	1.50	0.25	3.998 Cft
	1	10.00	1.50	0.25	3.750 Cft
Dinning Room	1	8.92	1.50	0.25	3.345 Cft
Kitchen Room	1	8.00	1.50	0.25	3.000 Cft
	1	7.00	1.50	0.25	2.625 Cft
vii)(a) Roof slab Building including carnis 4"	1	25.83	19.91	0.41	210.853 Cft

(b) Roof slab office Room including carnis 4"	1	11.16	11.66	0.41	53.351 Cft		
c) Roof slab over Toilet (at Lintel level)	1	5.25	7.08	0.25	9.293 Cft		
				<b>Total</b>	<u>796.85 Cft</u>		
				or Say	22.564 Cum		
@	Rs		5,381.14 /cum			Rs	121421.49

5 Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification.

i) Column base & footing	4.24	cum @	1.00	Qntl/cum	4.236 Qntl		
ii) Column	2.199	cum @	1.20	Qntl/cum	2.639 Qntl		
iii) Ground Beam	2.947	cum @	1.00	Qntl/cum	2.947 Qntl		
iv) Plinth Beam	2.663	cum @	1.00	Qntl/cum	2.663 Qntl		
v) Lintel Band	1.597	cum @	1.00	Qntl/cum	1.597 Qntl		
vi) Chajja	1.178	cum @	0.50	Qntl/cum	0.589 Qntl		
vii) Roof slab	7.744	cum @	0.80	Qntl/cum	6.196 Qntl		
				<b>Total</b>	<u>20.866 Qntl</u>		
@	Rs.		7,303.94 / Qntl			Rs	152404.85

6 Rigid smooth Centering & Shuttering in RCC work & dismantled the same after casting etc. Complete

(a) i) column base	9	14.00		0.83	104.580 sqft		
ii) Column Footing	9	8.66		1.00	77.940 sqft		
iii) Ground Beam	6	25.50		0.83	126.990 sqft		
	2	11.66		0.83	19.356 sqft		
	6	9.00		0.83	44.820 sqft		
	8	6.00		0.83	39.840 sqft		
	4	9.00		0.83	29.880 sqft		
Deduction column	-9	0.75		0.83	-5.603 sqft		
(iv) Plinth Beam	6	25.50		0.75	114.750 sqft		
	2	11.66		0.75	17.490 sqft		
	6	9.00		0.75	40.500 sqft		
	8	6.00		0.75	36.000 sqft		
	4	9.00		0.75	27.000 sqft		
Deduction column	-9	0.75		0.75	-5.063 sqft		
				<b>Total</b>	<u>668.481 sqft</u>		
				or Say	62.104 Sqm		
@	Rs		233.35 /Sqm			Rs	14492.23

(b) Lintel	6	25.50		0.50	76.500 sqft		
	2	11.66		0.50	11.660 sqft		
	6	9.00		0.50	27.000 sqft		
	8	6.00		0.50	24.000 sqft		
	4	9.00		0.50	18.000 sqft		
Deduction column	-9	0.75		0.50	-3.375 sqft		
				<b>Total</b>	<u>153.785 sqft</u>		
				or Say	14.287 Sqm		
@	Rs		529.82 /Sqm			Rs	7569.62

(c) Chajja,							
verandah	1	10.00	2.00		20.000 sqft		
window	3	6.00	1.50		27.000 sqft		
	4	5.00	1.50		30.000 sqft		
kitchen plate	1	8.00	1.50		12.000 sqft		
	1	7.00	1.50		10.500 sqft		
Inside Room					0.000 sqft		
Bed Room	1	9.00	1.50		13.500 sqft		
	1	1.50	1.50		2.250 sqft		
Dinning Room	1	11.66	1.50		17.490 sqft		
Kitchen Room	1	8.00	1.50		12.000 sqft		

	1	7.00	1.50		10.500 sqft		
vii)(a) Roof slab Building including carnis 4"	1	25.83	19.91		514.275 sqft		
(b) Roof slab office Room including carnis 4"	1	11.16	11.66		130.126 sqft		
⊗ Roof slab over Toilet (at Lintel level)	1	9.00	19.91		179.190 sqft		
				Total	978.831 sqft		
				or Say	90.936 Sqm		
@ Rs			670.07 /Sqm			Rs	60933.41

(d)(i) column	9	3.00		15.34	414.180 sqft		
				or Say	38.479 Sqm		
@ Rs			1,015.21 /Sqm			Rs	39063.88

7 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work

Roof Slab Qtr	1	25.83	19.91		514.275 sqft		
Roof Slab Office	1	11.16	11.66		130.126 sqft		
Step( Verandah)	1	10.00	3.00		30.000 sqft		
Step( Office)	1	5.00	3.00		15.000 sqft		
				Total	689.401 sqft		
				or Say	64.048 Sqm		
@ Rs.		319.45	/ Sqm			Rs	20459.76

8 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

(Below Plinth-3.33 ft ,Above Plinth-9ft excluding RCC structure like Plinth and lintel beam)

<b>Superstructure</b>							
Long wall	3	25.50	0.75	12.33	707.434 Cft		
	1	11.66	0.75	12.33	107.826 Cft		
Cross wall	3	9.00	0.75	12.33	249.683 Cft		
	4	6.00	0.75	12.33	221.940 Cft		
	2	9.00	0.75	12.33	166.455 Cft		
Step( Verandah)	1	10.00	3.00	0.83	24.900 Cft		
	1	10.00	2.00	0.83	16.600 Cft		
	1	10.00	1.00	0.83	8.300 Cft		
Step( Office)	1	5.00	3.00	0.83	12.450 Cft		
	1	5.00	2.00	0.83	8.300 Cft		
	1	5.00	1.00	0.83	4.150 Cft		
<b>Deduction</b>							
Column	-9	0.75	0.75	12.33	-62.421 Cft		
Doors (D)	-5	3.00	0.75	6.50	-73.125 Cft		
Doors (D2)	-1	2.75	0.75	6.50	-13.406 Cft		
Windows (W)	-4	4.00	0.75	4.00	-48.000 Cft		
Windows (W2)	-2	3.00	0.75	4.00	-18.000 Cft		
Ventilator (Toilet)	-1	2.00	0.75	2.00	-3.000 Cft		
Ventilators (Rooms)	-8	1.50	0.75	1.00	-9.000 Cft		
				Total	1301.085 Cft		
				or Say	36.843 Cum		
@ Rs		4,592.50	/ Cum			Rs	169199.67

9 16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost, conveyance, royalty etc. complete.

<b>Inside plaster area</b>							
M.Bed Room	2	10.66		13.58	289.526 sqft		
	2	10.00		13.58	271.600 sqft		
Verandah	2	4.00		13.58	108.640 sqft		

	1	10.00		13.58	135.800 sqft
Dining Hall	2	8.92		13.58	242.267 sqft
	2	7.08		13.58	192.293 sqft
Toilet	2	7.08		13.58	192.293 sqft
	2	5.25		13.58	142.590 sqft
Drawing Room	2	10.00		13.58	271.600 sqft
	2	8.33		13.58	226.243 sqft
Kitchen Room	2	8.00		13.58	217.280 sqft
	2	7.08		13.58	192.293 sqft
Office Room	2	10.00		13.58	271.600 sqft
	2	10.00		13.58	271.600 sqft
Step( Verandah)	2	10.00	1.25		24.900 sqft
	1	10.00		2.49	24.900 sqft
Step( Office)	2	5.00	1.25		12.450 sqft
	1	5.00		2.49	12.450 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-4	4.00		4.00	-64.000 Sqft
Windows (W2)	-2	3.00		4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>2892.949 Sqft</u>
				or Say	268.764 Sqm
	@ Rs.	214.44	/ Sqm		Rs 57632.75

10 12 mm thick Cement plastering (1:6) over brick wall including cost , conveyance, royalty etc. complete.

Outside plaster area

	2	25.50		13.58	692.580 sqft
	2	30.33		13.58	823.763 sqft
<u>Deduction</u>					
Doors (D)	-5	3.00		6.50	-97.500 Sqft
Doors (D2)	-1	2.75		6.50	-17.875 Sqft
Windows (W)	-4	4.00		4.00	-64.000 Sqft
Windows (W2)	-2	3.00		4.00	-24.000 Sqft
Ventilator (Toilet)	-1	2.00		2.00	-4.000 Sqft
				<u>Total</u>	<u>1308.968 sqft</u>
				or Say	121.607 Sqm
	@ Rs.	150.02	/ Sqm		Rs 18243.50

11 Suppling ,fitting and fixing of MS Door and MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

M.S Gril (Verandah Grill)	1	9.00	6.50		58.500 sqft
Window Grill	4	4.00	4.00		64.000 sqft
	2	3.00	4.00		24.000 sqft
Ventilator Grill	1	2.00	2.00		4.000 sqft
				<u>Total</u>	<u>150.500 sqft</u>
				or Say	13.982 Sqm
Weight		18.50 Kg/sqm		<u>Total</u>	<u>258.666 Kg</u>
	@ Rs.	135.91	/kg		Rs 35156.00

12 Manufacturing ,Supplying fitting and fixing of M.S . shutter door at Window and ventilator wit frame etc.complete

Window Grill	4	4.00	4.00		64.000 sqft
	2	3.00	4.00		24.000 sqft
Ventilator Grill	1	2.00	2.00		4.000 sqft
				<u>Total</u>	<u>92.000 sqft</u>
				or Say	8.547 Sqm
Weight		15.50 Kg/sqm		<u>Total</u>	<u>132.480 Kg</u>
	@ Rs.	135.91	/kg		Rs 18005.73

13	Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.						
	Doors Chaukath	5	16.00	0.33	0.25	6.60 cft	
					Total	6.60 cft	
					or Say	0.187 Cum	
	@ Rs	93,568.93	/ Cum				Rs 17487.21
14	32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks						
	Doors	5	6.25	2.75		85.94 sqft	
					Total	85.94 sqft	
					or Say	7.984 Sqm	
	@ Rs	1,638.19	/sqm				Rs 13079.10
15	Priming one coat with approved wood primer on new work of wood						
	Doors Chaukath	5	16.00	1.16		92.80 sqft	
					Total	92.8 sqft	
					or Say	8.621 Sqm	
	@ Rs	53.49	/sqm				Rs 461.12
16	Priming( Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows						
	same as Item No-11 & 12					22.53 sqm	
	@ Rs	53.28	/sqm				Rs 1200.24
17	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows						
	same as Item No-11 & 12					22.53 sqm	
	@ Rs	152.32	/sqm				Rs 3431.71
18	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete						
	same as Item No- 14					7.98 sqm	
	@ Rs	148.22	/sqm				Rs 1183.41
20	Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slury mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)with wall rise 0.25 ft with same material						
	M.Bed Room	1	10.91	10.25		111.828 sqft	
	Drawing Room	1	8.58	10.25		87.945 sqft	
	Verandah	1	4.25	10.25		43.563 sqft	
	Kitchen Room	1	8.25	7.33		60.473 sqft	
	Dinning Room	1	9.17	7.08		64.924 sqft	
	Office Room	1	10.25	10.25		105.063 sqft	
						473.794 sqft	
					or Say	44.017 Sqm	
	@ Rs.	1,569.82	/sqm				Rs 69098.72
21	Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slury mixed with pigments to match the shade of the tile [ Ceramic wall tile of 20cmx20cm size) etc. complete.						
	Toilet	2	7.08		6.00	84.960 sqft	
		2	5.25		6.00	63.000 sqft	
	Deduction						
	Kitchen	1	8.00		3.50	28.000 sqft	
		1	7.00		3.50	24.500 sqft	
						200.460 sqft	
					or Say	18.623 Sqm	
	@ Rs.	1,215.57	/sqm				Rs 22637.97

22 Priming one coat with approved primer over the plastered wall surface

Outside plaster area

	2	25.50	12.47	635.970 sqft
	2	30.33	12.47	756.430 sqft
<u>Inner Plastering area</u>				
M.Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft
Office Room	1	10.00	9.50	95.000 sqft
Deduction both outer & inner				
Doors (D)	-10	3.00	6.50	-195.000 Sqft
Doors (D2)	-2	2.75	6.50	-35.750 Sqft
Windows (W)	-8	4.00	4.00	-128.000 Sqft
Windows (W2)	-4	3.00	4.00	-48.000 Sqft
Ventilator (Toilet)	-2	2.00	2.00	-8.000 Sqft
				<u>3333.884 Sqft</u>

or Say 309.728 Sqm

@ Rs. 65.96 /sqm Rs 20428.92

23 Distemping two coats to walls with distemper of approved shade on new work to given an even shade

M.Bed Room	2	10.66	9.50	202.540 sqft
	2	10.00	9.50	190.000 sqft
Verandah	2	4.00	9.50	76.000 sqft
	1	10.00	9.50	95.000 sqft
Dining Hall	2	8.92	9.50	169.480 sqft
	2	7.08	9.50	134.520 sqft
Toilet	2	7.08	4.00	56.640 sqft
	2	5.25	4.00	42.000 sqft
Drawing Room	2	10.00	9.50	190.000 sqft
	2	8.33	9.50	158.270 sqft
Kitchen Room	2	8.00	9.50	152.000 sqft
	2	7.08	9.50	134.520 sqft
Office Room	2	10.00	9.50	190.000 sqft
	2	10.00	9.50	190.000 sqft

Roof ceiling

Bed Room	1	10.66	10.00	
Verandah	1	4.00	10.00	40.000 sqft
Dining Hall	1	8.92	7.08	63.154 sqft
Toilet	1	7.08	5.25	37.170 sqft
Drawing Room	1	10.00	8.33	83.300 sqft
Kitchen Room	1	8.00	7.08	56.640 sqft

Deduction						
Doors (D)	-5	3.00	6.50	-97.500	Sqft	
Doors (D2)	-1	2.75	6.50	-17.875	Sqft	
Windows (W)	-4	4.00	4.00	-64.000	Sqft	
Windows (W2)	-2	3.00	4.00	-24.000	Sqft	
Ventilator (Toilet)	-1	2.00	2.00	-4.000	Sqft	
			<b>Total</b>	<b>2053.86</b>	<b>sqft</b>	
			<b>or Say</b>	<b>190.810</b>	<b>Sqm</b>	
	<b>@ Rs.</b>	<b>73.79</b>	<b>/sqm</b>			<b>Rs 14079.96</b>

24 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.

Outside plaster area

	2	25.50	12.83	654.330	sqft	
	2	30.33	12.83	778.268	sqft	
Deduction						
Doors (D)	-5	3.00	6.50	-97.500	Sqft	
Doors (D2)	-1	2.75	6.50	-17.875	Sqft	
Windows (W)	-4	4.00	4.00	-64.000	Sqft	
Windows (W2)	-2	3.00	4.00	-24.000	Sqft	
Ventilator (Toilet)	-1	2.00	2.00	-4.000	Sqft	
				<b>1225.223</b>	<b>sqft</b>	
			<b>or Say</b>	<b>113.827</b>	<b>Sqm</b>	
	<b>@ Rs.</b>	<b>53.11</b>	<b>/sqm</b>			<b>Rs 6044.93</b>

25 Add cost of PVC Door (Toilet) on L.S 1 no 3500 L.S Rs 3500.00

26 Add for Electrification work of Concealed coper Wiring of approved quality with modular pannel, earthing etc. complete. On L.S L.S 25000.00

27 Add for fitting and fixing Toilet ( Latrin pan with exhust ), Bath room fitting ,wash basin , kitchen Sink with PH work on L.S L.S Rs 25000.00

**Total** Rs **1020813.60**  
**183746.45**  
**Grand Total** Rs **1204560.04**  
**Limited to** Rs **1204000.00**

28 Add GST -18%

**(Rupees Twelve Lakh Four Thousand) only**

*Asst. Conservator of Forests*  
*Uc Berhampur Range*  
 Asst. Conservator of Forests,  
 I/c- Berhampur Range

Certified that this Estimate has been prepared at current the Schedule of Rates (post GST) and current Labour wages. The overhead charge (7.5%) and contractors profit (7.5%) has been including during preparation of the Estimate.

*[Signature]*  
**FORESTER**  
 Chatrapur Section

*[Signature]*  
 Assistant Executive Engineer  
 (R & B) Sub-Division  
 CHATRAPUR

*Asst. Conservator of Forest*  
*Uc Berhampur Range*  
 Asst. Conservator of Forests,  
 I/c- Berhampur Range

## Analysis Rates

Sl. No	Description	Quantity	Unit	Rate in Rs	Amount in Rs
1	Earthwork in excavation of foundation in ordinary soil and clearing the excavated materials with in 50m and 1.5m initial lift including rough dressing, breaking clods and laying in layer and leveling bed etc complete				
	<b>As per A/R, item-2(a),page-1</b>				
	Mulia	32 nos @ Rs		345.00	11040.00
	Total				11040.00
	Add 20% extra towards excavation of foundation				2208.00
					13248.00
	Add 15% for O.H Charges and Contractors profit				1987.20
			Total	Rs	15235.20 / 100 Cum
				Rs	152.35 /cum
	Labour Cess 1%			Rs	1.52
			<b>Total</b>	Rs	<b>153.88 /cum</b>
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc.complete.				
	<b>As per A/R, item-15,page-8</b>				
	Data for 100 cum				
	Sand	100.00 Cum@ Rs		71.16	7116.00
	Mulia	12.36 nos @ Rs		345.00	4264.20
	Total				11380.20
	Carriage & royalty of sand	100.00 Cum@ Rs		184.67	18467.00
				Rs	29847.20 /100 cum
	Add 15% for O.H Charges and Contractors profit			Rs	4477.08
			Total	Rs	34324.28 /100 cum
			Per Cum		343.24 /cum
	Labour Cess 1%			Rs	3.43
			<b>Total</b>	Rs	<b>346.68 /cum</b>
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.				
	<b>As per A/R, item-4,page-43</b>				
	HG metal 40m size	0.96 Cum@ Rs		983.89	944.53
	Sand	0.48 Cum@ Rs		74.97	35.99
	Cement	1.72 Qntl@ Rs		630.00	1083.60
	Mason 2nd Class	0.18 nos @ Rs		435.00	78.30
	Mulia	3.9 nos @ Rs		345.00	1345.50
	Total				3487.92
	Carrage & Royalty of metal	0.96 Cum@ Rs		279.67	268.48
	Carrage & Royalty of sand	0.48 Cum@ Rs		184.67	88.64
	Carrige of cement	1.72 Qntl@ Rs		16.17	27.81
				Total	3872.86
	Add 15% for O.H Charges and Contractors profit			Rs	580.93
	Labour Cess 1%			Rs	38.73
	<b>Total</b>		per cum	Rs	<b>4492.51 /cum</b>
4	R.R.H.G. Stone masonry in cement mortar (1:6) in foundation & plinth including cost, conveyance, and royalty of all materials complete.				
	<b>As per A/R, item-3,page-75</b>				

Rough Stone grinte	1.00 Cum@ Rs	163.53	163.53
Sand	0.34 Cum@ Rs	74.97	25.49
Cement	0.8151 Qntl@ Rs	630.00	513.51
Mason 1st class	0.35 nos @ Rs	495.00	173.25
Mason 2nd class	1.41 nos @ Rs	435.00	613.35
Mulla	3.17 nos @ Rs	345.00	1093.65
Total			2582.78
Carriage & royalty of stone	1.00 Cum@ Rs	279.67	279.67
Carriage & royalty of sand	0.34 Cum@ Rs	184.67	62.79
Carriage of cement	0.8151 Qntl@ Rs	16.17	13.18
Total	/ cum	Rs	2938.42 / cum
Add 15% for O.H Charges and Contractors profit		Rs	440.76
Labour Cess 1%		Rs	29.38
<b>Rate per one Cum</b>		Rs	<b>3408.57 / cum</b>

5 First class Flyash brick masonry in C.M.(1.6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.

As per A/R, item-3, page-71

Bricks(23cm*11cm*8cm) size	400 nos @ Rs	4.115	1646.16
sand	0.28 Cum@ Rs	74.97	20.99
Cement	0.672 Qntl@ Rs	630.00	423.36
mason 1st class	0.35 nos @ Rs	495.00	173.25
mason 2nd class	1.05 nos @ Rs	435.00	456.75
Mulla	2.96 nos @ Rs	345.00	1021.20
Total per one cum			3741.71
Carriage & royalty of sand	0.28 Cum@ Rs	184.67	51.71
Carriage of Cement	0.672 Qntl@ Rs	16.17	10.87
Carriage of bricks	400 nos (1 cum)@ Rs	0.38691	154.76
Total		Rs	3959.05
Add 15% for O.H Charges and Contractors profit		Rs	593.86
Labour Cess 1%		Rs	39.59
<b>For foundation ,Plinth &amp; Super strucure</b>		Rs	<b>4592.50 /cum</b>

6 R.C.C.work of M-20 grade with cement concrete proportionation (1:1.5:3) and 20 mm down grade hard broken granite( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.

As per A/R, item-4, page-50

Data for 15 Cum

<b>Material</b>			
HG chips 20 mm size	8.10 Cum@ Rs	1428.51	11570.93
HG chips 10mm size	5.40 Cum@ Rs	1561.77	8433.56
Sand	6.75 Cum@ Rs	74.97	506.05
Cement	52.10 Qntl@ Rs	630.00	32823.00
<b>Labour</b>			
Mate	0.86 nos @ Rs	385.00	331.10
Mason 2nd class	1.5 nos @ Rs	435.00	652.50
Man mulla	20 nos @ Rs	345.00	6900.00
<b>Machinery</b>			
Concrete mixture	6 hour	177.00	1062.00
Generator 33 KVA	6 hour	240.00	1440.00
			63719.14
<b>Conveyance &amp; royalty</b>			
20 mm size chips	8.1 Cum@ Rs	279.67	2265.33
10 mm size chips	5.4 Cum@ Rs	279.67	1510.22
Sand	6.75 Cum@ Rs	184.67	1246.52
cement	52.1 Qntl@ Rs	16.17	842.46
Total	per 15 cum	Rs	69583.66

	Per 1 cum	Rs	4638.91 /cum
Add 15% for O.H Charges and Contractors profit		Rs	695.84
Labour Cess 1%		Rs	46.39
<b>Rate for Ground Floor</b>		Rs	<b>5381.14 /cum</b>

- 7 Supplying ,cutting, binding and placing uncoated HYSD bars reinforcement complete as per drawing and technical specification including cost of bars and binding wire etc. Complete

As per A/R, item-9, page-52

Data for 1.0 MT

**A) Material cost**

HYSD bar including 5% overlap and wastage	1.05	MT	64500.00	67725.00
Binding wire	8.00	Kg	91.28	730.24

**B) Labour**

Mate	0.44	nos @ Rs	385.00	169.40
Black smith Spl	3	nos @ Rs	495.00	1485.00
Mulia	8	nos @ Rs	345.00	2760.00
carriage of Steel	1.05	MT @Rs	161.72	169.81
<b>Total</b>				<b>73039.45 / MT</b>

Add 15% for O.H Charges and Contractors profit	Rs	10955.92
Labour Cess 1%	Rs	730.39

**Total** 84725.76 / MT

**Rate for Ground floor**

Rs **7303.94 /Qntd**

- 8 Rigid smooth centering & shuttering for RCC works including false work and dismantalling then after casting including cost of all materials

As per A/R, item-10, page-53

( i ) For RCC foundation,plinth band,footings,base of columns mass concrete

25 mm thick non-sal planks				
10.66 sqm for 0.267 cum	0.267	cum @ Rs	58374.79	15586.07
Non - sal bullah 80 mm dia. for suttering	12.60	m @ Rs	30.81	388.21
Convey of wood	0.3284	cum @ Rs	129.37	42.49
<b>Total</b>				<b>16016.76</b>

Considering the materials to be used for 10 times

For once use				1601.68
Carpenter( 2nd class)	0.50	nos @ Rs	435.00	217.50
S.S Mulia	0.50	nos @ Rs	385.00	192.50

For 10 Sqm			<b>Total</b>	2011.68
For one Sqm				201.17

**Total** Rs 201.17 sqm

Add 15% for O.H Charges and Contractors profit	Rs	30.18
Labour Cess 1%	Rs	2.01

**Ground floor Rate per one sqm**

Rs **233.35 sqm**

( ii )For RCC Lintel band Details for 7.8 sqm.

38 mm thick non-sal planks				
10.87 sqm for 0.413 cum	0.413	cum @ Rs	58374.79	24108.79
120 mm dia Non-Sal bullah	21.00	mt @ Rs	41.81	878.01
Carriage of wood	0.689	cum @ Rs	129.37	89.14
<b>Total</b>				<b>25075.93</b>

Considering the materials to be used for 10 times

For once use	25075.93	/10		2507.59
Carpenter 2nd class	1.25	nos @ Rs	435.00	543.75
SS Mulia	1.25	nos @ Rs	385.00	481.25

Cost of nails				30.00
				3562.59
Total for 7.80 sqm				3562.59
Total				456.74 /sqm
Add 15% for O.H Charges and Contractors profit			Rs	68.51
Labour Cess 1%			Rs	4.57 /sqm

**Ground floor Rate per one sqm**

Rs	529.82 /sqm
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**(iii) For R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas upto**

Non-sal Wood scanting	0.112	cum @ Rs	58374.79	6537.98
Plank 38 mm	0.34	cum @ Rs	58374.79	19847.43
120 mm dia -Sal bullah	56.00	m @ Rs	51.87	2904.72
Carriage of wood	1.142	cum @ Rs	129.37	147.74
				29437.87

Considering the materials to be used for 10 times

For once use	29437.87	/10		2943.79
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
SS Mulia	2.75	nos @ Rs	385.00	1058.75
Total				5198.79
Total / 9 sqm				577.64
				577.64 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	86.65
Rs	5.78

**Ground floor Rate per one sqm**

Rs	670.07 /sqm
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**(iv) For RCC beams, Column, girder and bressmer, etc. Data for 4.20 sqm.**

38 mm thick non-sal planks				
5.73 sqm for 0.218 cum	0.218	cum @ Rs	58374.79	12725.70
120 mm dia Sal bullah	15.20	m @ Rs	51.87	788.42
80 mm dia non-sal bullah for brassing	8.00	m @ Rs	41.81	334.48
Carriage of wood	0.456	cum @ Rs	129.37	58.99
				13907.60

Considering the materials to be used for 10 times

For once use	13907.60	/10		1390.76
Carpenter 2nd class	2.75	nos @ Rs	435.00	1196.25
S.S Mulia	2.75	nos @ Rs	385.00	1058.75
Cost of nails L.S				30.00
Total / 4.2 sqm			Total	3675.76
Total / sqm				875.18
				875.18 /sqm

Add 15% for O.H Charges and Contractors profit  
Labour Cess 1%

Rs	131.28
Rs	8.75

**Ground floor Rate per one sqm**

Rs	1015.21 /sqm
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C.C.(1:2:4) with 12 mm hard broken granite chips for CC works including cost, conveyance and 9 royalty of all materials complete.

**As per A/R, item-7, page-44**

HG chips 12 mm size	0.9	cum @	Rs	1475.83	1328.25
Sand	0.45	cum @	Rs	74.97	33.74
Cement	3.23	qntl @ Rs		902.94	2916.50
Mason 2nd class	0.68	nos @Rs		435.00	295.80
Man Mulia	4.6	nos @Rs		345.00	1587.00
Total			Rs		3489.28
Carriage & royalty of chips	0.9	cum @	Rs	279.67	251.70

Carriage & royalty of sand	0.45 cum @	Rs	184.67	83.10
Carriage of cement	4.29 qntl @ Rs		16.17	69.37
<b>Total</b>	<b>per cum</b>		<b>Rs</b>	<b>3788.32 / cum</b>
Add 15% for O.H Charges and Contractors profit			Rs	568.25
Labour Cess 1%			Rs	37.88
<b>Ground floor Rate per one cum</b>			<b>Rs</b>	<b>4394.45 /cum</b>

- 10 2.5 cm thick grading with c.c (1:2:2) including grading using 4.7 mm hard broken granite chips on new work

HG chips 4.7 mm size	0.0169 Cum@ Rs		902.94	15.26
Sand	0.0169 Cum@ Rs		30.81	0.52
Cement	0.1208 Qntl@ Rs		630.00	76.10
Mason 1stclass	0.10 nos @ Rs		495.00	49.50
Mulia	0.36 nos @ Rs		345.00	124.20
<b>Total</b>				<b>265.584375</b>
Carriage & royalty of chips	0.0169 Cum@ Rs		279.67	4.73
Carriage & royalty of sand	0.0169 Cum@ Rs		184.67	3.12
Carriage of cement	0.1208 Qntl@ Rs		16.17	1.95
<b>Rate for Ground floor</b>		<b>Total</b>	<b>Rs</b>	<b>275.39 /sqm</b>
Add 15% for O.H Charges and Contractors profit			Rs	41.31
Labour Cess 1%			Rs	2.75
<b>Ground floor Rate per one sqm</b>			<b>Rs</b>	<b>319.45 /sqm</b>

- 11 12 mm thick cement plastering (1:6) for brick work including cost, conveyance, royalty etc. complete.

**As per A/R, item-4, page-103**

Sand	0.015 Cum@ Rs		74.97	1.12
Cement	0.0358 Qntl@ Rs		630.00	22.55
Mason 2nd class	0.14 nos @ Rs		435.00	60.90
Mulia	0.12 nos @ Rs		345.00	41.40
<b>Total</b>				<b>125.98</b>
Carriage & royalty of sand	0.015 Cum@ Rs		184.67	2.77
Carriage of cement	0.0358 Qntl@ Rs		16.17	0.58
				129.33
<b>Total</b>		<b>Rs</b>	<b>129.33 /sqm</b>	
Add 15% for O.H Charges and Contractors profit			Rs	19.40
Labour Cess 1%			Rs	1.29
<b>Ground floor Rate per one sqm</b>			<b>Rs</b>	<b>150.02 /sqm</b>

- 12 16 mm thick cement plastering (1:6) over brick or stone wall including cost, conveyance, royalty etc. complete.

**As per A/R, item-14, page-105**

Sand	0.018 Cum@ Rs		74.97	1.35
Cement	0.043 Qntl@ Rs		630.00	27.09
Mason 2nd class	0.16 nos @ Rs		435.00	69.60
Mulia	0.24 nos @ Rs		345.00	82.80
<b>Total</b>			<b>Rs</b>	<b>180.84</b>
Carriage & royalty of sand	0.018 Cum@ Rs		184.67	3.32
Carriage of cement	0.043 Qntl@ Rs		16.17	0.70
				184.86
<b>Total</b>		<b>Rs</b>	<b>184.86 /sqm</b>	
Add 15% for O.H Charges and Contractors profit			Rs	27.73

Labour Cess 1%

Rs 1.85

**Ground floor Rate per one sqm**

Rs **214.44** /sqm

- 13 Suppling ,fitting and fixing of MS Grill madeout of M.S angle at the periphery & M.S Sq bar in the inner design with hold fast made out of M.S Angle windows including cost of Screws with cost of Conveyance, Taxes of all mataterials,labour,T&P etc Complete with all request

**As per A/R, item- 4, page- 225**

For 1 qntl.

Data for 0.508 qntl.

Labour

Black Smith(Special)	0.75 nos @ Rs	495.00	371.25
Black Smith(Second class)	1.00 nos @ Rs	435.00	435.00
Fitter(Special)	1.00 nos @ Rs	495.00	495.50
Fitter(Second class)	1.00 nos @ Rs	435.00	435.44
Helper to Blacksmith	1.00 nos @ Rs	385.00	385.39
Man mulia	3.25 nos @ Rs	345.00	1121.25

Total Rs 3243.82

Rs 3243.82

Rate per qntl.(M.S Angle/ sheet)

Rs 6385.46 /qntl

Rate per Kg.(labour)

Rs 63.85 /Kg.

Cost of M.S Angle/ sheet( with Transportation ,Loading & unloading)

Rs 53.31 /Kg.

Total

Rs 117.17 /Kg.

Add 15% for O.H Charges and

Contractors profit

Rs 17.57

Labour Cess 1%

Rs 1.17

**Ground floorRate per Kg**

Rs **135.91** /Kg

- 14 Distemperring two coats to walls with distemper of approved shade on new work to given an even shade including cost of distemper

**As per A/R, item-22, page- 99**

Data for 10 sqm

cost of Distemper	2.5 Kg @Rs	65.93	164.83
Painter (special)	0.52 nos @ Rs	495.00	257.40
Mulia	0.62 nos @ Rs	345.00	213.90
Total			

Total Rs 636.13

636.13 /10sqm

Per one sqm

63.61 /sqm

Rate per one sqm

Rs 63.61 / sqm

Add 15% for O.H Charges and

Contractors profit

Rs 9.54

Labour Cess 1%

Rs 0.64

**Ground floor Rate per one sqm**

Rs **73.79** /sqm

- 15 Priming one coat with approved primer on new work of wood Data for 9.30 sqm

**As per A/R, item-1 ,page-93**

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50

Sundries, brushes, soap & putties 2%

0.00

420.00

Cost Primer

0.075 Ltr @ Rs

117.47

8.81

Total

Rs 428.81 /sqm

Rate per one sqm

Rs 46.11 /sqm

Add 15% for O.H Charges and

Contractors profit

Rs 6.92

Labour Cess 1%

Rs 0.46

**Ground floor Rate per one sqm**

Rs	<b>53.49 /sqm</b>
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**16 Priming[ Red oxide] one coat with approved primer on new work Data for 9.30 sqm**

**As per A/R, item-1 ,page-93**

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
			420.00
Cost Red oxide	0.070 Ltr @ Rs	102.09	7.12

Rate/9.30 sqm.	Rs	427.12
Rate per one sqm	Rs	45.93 /sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs	6.89
Rs	0.46

**Ground floor Rate per one sqm**

Rs	<b>53.28 /sqm</b>
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**17 Painting two coats synthetic enamel paint with including material approved quality of paint on new work of iron Data for 9.30 sqm.**

**As per A/R, item-3 ,page-93**

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		998.25
	For one sqm		107.34

Cost of Material for 10 sqm  
Enamel paint for two coats

1.25 Ltr @ Rs	191.8	239.75
Total/sqm	Rs	23.98

Rate per one sqm[( Material +  
Labour)

Total/ Sqm	Rs	131.31 / sqm
Total		131.31 / sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs	19.70
Rs	1.31

**Ground floor Rate per one sqm**

Rs	<b>152.32 /sqm</b>
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**18 Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows Data for 9.30 sqm.**

**As per A/R, item-3 ,page-93**

Painter special	1.25 nos @ Rs	495.00	618.75
Mulia	1.1 nos @ Rs	345.00	379.50
	Say		998.25
	For one sqm		107.34

Cost of Material for 10 sqm  
Enamel paint for two coats

1.25 Ltr @ Rs	163.53	204.41
Total/sqm	Rs	20.44

Rate per one sqm(( Material +  
Labour)

Total/ Sqm	Rs	127.78 / sqm
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2% Sundries, brushes, putty  
etc. (Lab)

Total	Rs	0.00
		127.78 / sqm

Add 15% for O.H Charges and  
Contractors profit  
Labour Cess 1%

Rs	19.17
Rs	1.28

**Ground floor Rate per one sqm**

Rs	<b>148.22 /sqm</b>
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**19 Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.**

**A) Primer one coat (Data for 9.30 sqm)**

**As per A/R, item-1 ,page-93**

Painter special	0.5 nos @ Rs	495.00	247.50
Mulia	0.5 nos @ Rs	345.00	172.50
Sundries, brushes, soap & putties 2%			0.00
			420.00
Cost wall Primer (water bound)	0.781 Ltr @ Rs	139.27	108.80
	Rate per 9.3 Sqm	Rs	528.80 /sqm
Rate per one sqm	Total (A)	Rs	56.86 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	8.53
Labour Cess 1%		Rs	0.57
<b>Ground floor Rate per one sqm</b>		Rs <b>65.96</b> /sqm	

**B) Painting two coat (Data for 10.0 sqm)  
As per A/R, item-18 ,page-98**

Painter special	0.22 nos @ Rs	495.00	108.90
Mulia	0.32 nos @ Rs	345.00	110.40
Sundries, brushes, soap & putties 2%			0.00
			219.30
Cost of Material for 10 sqm			
weather coat Paint for two coats	1.25 Ltr @ Rs	190.81	238.51
	Total/10 sqm	Rs	457.81
Rate per one sqm([ Material + Labour])	Total/ Sqm	Rs	45.78 /sqm
	Total (B)		45.78 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	6.87
Labour Cess 1%		Rs	0.46
<b>Ground floor Rate per one sqm</b>		Rs <b>53.11</b> /sqm	
<b>Rate for Ground Floor</b>	<b>G.Total (A+B)</b>	<b>119.06</b> /sqm	

**20 Dressed, seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors, windows, ventilators and beam.  
As per A/R, item-2 ,page-132**

Data for 0.028 cum sal wood scantling sawn	0.028 Cum@ Rs	65662.87	1838.56
carpenter special	0.5 nos @ Rs	495.00	247.50
Man Mulia	0.5 nos @ Rs	345.00	172.50
	for 0.028 Cum	Rs	2258.56
	for 1 Cum	Rs	80662.87
Rate for Ground Floor	Total	Rs	80662.87 / Cum
Add 15% for O.H Charges and Contractors profit		Rs	12099.43
Labour Cess 1%		Rs	806.63
<b>Ground floor Rate per one cum</b>		Rs <b>93568.93</b> /cum	

**21 32mm piasal wood or local Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings  
Per 1Sqm  
Data for a doors 1.07m x 2.13m  
a) Material**

Area of shutters  $0.94 \times 2.0\text{m} = 1.88\text{sqm}$

i) Plasa wood planks for shutters  $2.08\text{ sqm}$  or  $0.06656\text{ Cum}$   $2.08\text{ sqm}$  or  $0.06656\text{ Cum}$  Supplied by Department

ii) Wooden hinged cleats 2 nos @ Rs 57.5 115.00

**b) Labour**

Labour for making shutters

(i) Carpenter Special 2 Nos 2 nos @ Rs 495.00 990.00

(ii) Helper 2 Nos. 2 nos @ Rs 385.00 770.00

Labour for fixing shutters

Carpenter 2nd class 1 nos @ Rs 435.00 435.00

Man mulia 1 nos @ Rs 345.00 345.00

Rs 2655.00

Add 15% for O.H Charges and

Contractors profit

Rs 398.25

Labour Cess 1%

Rs 26.55

Rs 3079.8 / 1.88 sqm

**Ground floor Rate per one sqm**

Rs 1638.191 /sqm

- 22 Fixing tiles in floors treads or steps & landing on 25 mm thick bed of cement mortar 1:1 jointed with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vetrified tile of 60 cm x 60 cm size)

**As per A/R, item- 16, page- 89**

Detailed for 10 sqm

7mm to 8mm thick vitrified

floor tiles (60 x60)cm size 10 sqm @ Rs 708.51 7085.10

Sand 0.13 Cum@ Rs 74.97 9.75

Cement 1.875 Qntl@ Rs 630.00 1181.25

Cement for slurry st the rate of

4.4 Kg/ sqm 0.44 Qntl@ Rs 630.00 277.20

Cement for grouting 0.44 Qntl@ Rs 630.00 277.20

Mason spl class 2.16 nos @ Rs 495.00 1069.20

SS mulia or rubbing mulia 5.50 nos @ Rs 385.00 2117.50

Mulia 2.16 nos @ Rs 345.00 745.20

Total per 10 sqm 12762.40

Rate per one sqmt

Total 1276.24 /sqm

Carriage & royalty of sand 0.13 Cum@ Rs 184.67 24.01

Carriage of cement 2.755 Qntl@ Rs 16.17 44.55

Total /sqm Rs 1344.80 /sqm

Wax polishing 8.50 /sqm

Rate per sqm Rs 1353.30 /sqm

Add 15% for O.H Charges and

Contractors profit

Rs 202.99

Labour Cess 1%

Rs 13.53

**Ground floor Rate per one sqm**

Rs 1569.82 /sqm

- 23 Fixing tiles in dados & rises of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tile ( Ceramic wall tile of 20cmx20cm size) etc. complete.

**As per A/R, item- 17, page- 90**

6.5mm to 6.7 mm Ceramic tiles( 20x20)cm

10 sqm @ Rs 336.12 3361.20

Sand 0.15 Cum@ Rs 74.97 11.25

Cement 0.715 Qntl@ Rs 630.00 450.45

Cement slurry 4.40Kg/sqmt 0.66 Qntl@ Rs 630.00 415.80

Mason spl 3.25 each @ Rs 495.00 1608.75

Mulia 3.25 each @ Rs 345.00 1121.25

Semi- skilled mulia for rubbing	7.6 each @ Rs	385.00	2926.00
<b>Total</b>	<b>per 10 sqm</b>	<b>Rs</b>	<b>9894.70</b>
Rate per one sqmt		<b>Total</b>	<b>989.47 /sqm</b>
Overhead Charges @ 10%			0.00
Carriage & royalty of sand	0.15 Cum@ Rs	184.67	27.70
carriage of cement	1.375 Qntl@ Rs	16.17	22.23
		Rs	1039.40 /sqm
Wax ploishing			8.50 /sqm
Rate per sqm		Rs	1047.90 /sqm
Add 15% for O.H Charges and Contractors profit		Rs	157.19
Labour Cess 1%		Rs	10.48
<b>Ground floor Rate per one sqm</b>		<b>Rs</b>	<b>1215.57 /sqm</b>

24 Supply, fitting ,fixing up Window (sliding type) made up aluminum section No-151-154, 151-155 , as window frame section No- 151-155, 151-153 and 151-167 as shutter frame with 5 mm thincludingck glass as pannel fitted with rubber beading including locking arrangement including all fitting including cost of material all taxes, labour etc. completed.

As per A/R, item-7 ,page-240

Data for 4'-0" X 4'-0" =16sqft or , 1.49 sqm

**(a) Materials**

Aluminum Sec. No- 151-154	2.44 mt@ 0.875 kg/m = 2.13 Kg
Top & Bottam Sec. No- 151-155	2.44 mt@ 0.765 kg/m = 1.87 Kg
Inter Lock Sec No - 151-153	2.44 mt@ 0.492 kg/m = 1.20 Kg
Aluminum Sec. No- 151-152	2.44 mt@ 0.465kg/m = 1.13 Kg
H- Section No- 151-167	<u>2.44 mt@ 0.587 kg/m = 1.43 Kg</u>
	Total = 7.76 Kg
	<u>Westage 10% = 0.77 kg</u>

Aluminum section	8.53	Kg @	Rs	226.37	1930.9361
PVC plug		8 no.s @	RS	1.50	12.00
Al screws of different size	L.S				30.00
U rubber beading		9.75 mt @	Rs	7.00	68.25
5 mm thick black glass	1.493 sqm				
westage 10%	<u>0.15 sqm</u>				
	1.64 sqm @	Rs		553.59	907.88
Al wheel runner	8 no. @	Rs		25.00	200.00
Handle with lock	2 no. @	Rs		40.00	80.00
Hire charges of drills machine	1 day @	Rs		100.00	100.00

**(b) Labour**

Carpenter 1st class	5.33 no	495.00	2638.35
Mulia	5.33 no	345.00	1838.85
	Rate /1.49 sqm		7806.27
	Rate /sqm		5239.10 /sqm

Add 15% for O.H Charges and Contractors profit		Rs	785.87
Labour Cess 1%		Rs	52.39

**Ground floor Rate per one sqm** **Rs 6077.36 /sqm**

  
**FORESTER**  
 Chatrapur Section

  
 Assistant Executive Engineer  
 (R & B) Sub-Division  
 CHATRAPUR

  
 Asst. Conservator of Forest  
 I/c- Berhampur Range

DETAILED ABSTRACT OF ESTIMATE					
Construction of Forest Guard Quater at Karapalli Beat					
Sl. No.	Description of Work	Quantity	Unit	Rate in Rs	Amount In Rs
1	Earthwork in excavation of foundation in hard soil and clearing the excavated materials with in 50m and 1.5 initial lift.	45.731	cum	153.88	7036.82
2	Providing and laying sand in foundation & plinth with sand well watered and rammed including Cost, conveyance, & royalties etc complete.	41.295	cum	346.68	14315.95
3	Cement Concrete Proportion (1:4:8) in foundation and floors using with 40 mm hard broken granite metal including hoisting, lowering and laying in layers not exceedind 15 cm thick to the required level, ramming watering and curing etc complete including all cost, conveyance, taxes and royalties of all materials complete.	13.855	cum	4492.51	62244.68
4	R.C.C work of M-20 grade with cement concrete proportion (1:1.5:3) and 20 mm down grade hard broken granite ( crusher broken) chips for RCC works including hoisting laying with all cost, conveyance, and royalty of all materials complete.	22.564	cum	5381.14	121421.49
5	Supplying, fitting and placing uncoated HYSD bars reinforcement complete as per drawing and techaical specification.	20.866	Qntl	7303.94	152404.85
6 (i)	Rigid smooth Centering & Shuttering in RCC work & dismantled the same after casting etc. Complete (i)RCC foundation,plinth band,footings,base of columns mass concrete	62.104	sqm	233.35	14492.23
(ii)	Rigid smooth Centering & Shuttering RCC Lintel band	14.287	sqm	529.82	7569.62
(iii)	Rigid smooth Centering & Shuttering R.C.C floor and roof slab, landing, balconies, projecting sunshades and chajjas	90.936	sqm	670.07	60933.41
(iv)	Rigid smooth Centering & Shuttering RCC beams,Column,grider and bressmer	38.479	sqm	1015.21	39063.88
7	2.5 cm thick grading with c.c (1:2:2) including gradinging using 4.7 mm hard broken granite chips on new work	64.048	sqm	319.45	20459.76
8	First class K.B brick masonry in C.M.(1:6) in foundation & plinth / superstructure including cost, conveyance, and royalty of all materials complete.	36.843	cum	4592.50	169199.67
9	16 mm thick cement plastering (1:6) over brick and rcc work of wall including cost,conveyance, royalty etc. complete.	268.76	sqm	214.44	57632.75
10	12 mm thick Cement plastering (1:6) over brick wall including cost, conveyance, royalty etc. complete.	121.61	sqm	150.02	18243.50
11	Suppling, fitting and fixing of MS Grill made out of MS angle at the periphery & M.S Sq bar in the inner design with hold fast made out of MS Angle windows including cost of Screws with cost of Conveyance, Taxes of all materials, labour, T&P etc Complete with all request	258.67	Kg	135.91	35156.00
12	Manufacturing, Supplying, fitting and fixing of M.S. shutter door at Window and ventilator wit frame etc. complete	132.48	Kg	135.91	18005.73
13	Dressed seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlins, frames of doors.	0.1869	cum	93568.93	17487.21

14	32mm glass board or local Teak wood panelled shutters moulded made with all labour, iron fittings, and wooden linged doors etc fitted and fixed complete in all respect. But excluding the cost of iron fittings and Teak wood planks	7.984	sqm	1638.19	13079.10
15	Painting one coat with approved wood primer on new work of wood	8.6214	sqm	53.49	461.12
16	Painting (Red oxide) one coat with approved primer on new work M.S.Grills and shutter doors and windows	22.53	sqm	53.28	1200.24
17	Painting two coats synthetic enamel paint with including material approved quality of paint on new work of M.S.Grills and shutter doors and windows	22.53	sqm	152.32	3431.71
18	Painting two coats french polish including material of approved quality of polish on new wood work of Doors & Windows etc complete	7.98	sqm	148.22	1183.41
20	Fixing tiles to floors, treads or steps & landing on 25 mm thick bed of cement mortar 1:1 joined with neat cement slurry mixed with pigment to match the shades of the tiles etc. complete ( Ceramic Vitrified tile of 60 cm x 60 cm size) with wall rise 0.25 m with spig material	44.017	sqm	1569.82	69098.72
21	Fixing tiles to treads & rises of steps on 12mm thick cement plaster (1:1) jointed with neat cement slurry mixed with pigment to match the shade of the tile ( Ceramic wall tile of 30cm x 30cm size) etc. complete.	18.623	sqm	1215.57	22637.97
22	Priming wall coat with approved primer over the plastered wall surface	309.73	sqm	65.96	20428.92
23	Distemping two coats to walls with distemper of approved shade on new work to given an even shade	190.81	sqm	73.79	14079.96
24	Providing two coats weather coat paint over a coat of wall cement primer including material approved quality of paint.	113.83	sqm	53.11	6044.93
25	Add coat of PVC floor (Toilet) L.S	1		3500	3500.00
26	Add for Electrical connection work of Concealed copper Wiring of approved quality with modular panel, earthing and out door lighting, etc. as per plan etc. complete. On L.S				25000.00
27	Add for fitting and fixing Toilet ( Latrin pan with exhaust ), Bathrooms, Dring, wash basin, kitchen Sink with PH work including Cover lined PVC Tank and Construction of Septic tank with RCC plate cover on L.S				25000.00
<b>Total</b>					<b>1020813.60</b>
<b>Add GST -18%</b>					<b>183746.45</b>
<b>Total</b>					<b>1204560.04</b>
<b>or say Grand Total</b>					<b>1204000.00</b>

(Rupees Twelve Lakh Four Thousand) only

*Asst. Conservator of Forest*  
 Asst. Conservator of Forest  
 I/c- Berhampur Range

*Assistant Executive Engineer*  
 (R & B) Sub-Division  
 CHATRAPUR

**FORESTER**  
 Chatrapur Section

## Lead Statement of Materials (Post GST)

Sl. No	Items	Location	Unit	Basic Cost of materials post GST	Distance in KM	Initial lead upto 5 Km in Rs	Extra lead upto 50 Km	Extra lead beyond 50 Km	Conveyance (7+8+9)	Royalty	Conveyance + Royalty	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Fly ash bricks (23 cmx11 cmx8cm)	Local	1000 Nos	4115.4	5	386.91	0.00	0.00	386.91	0.00	386.91	4502.31
2	Filling Sand	Local	cum	71.16	5	149.67	0.00	0.00	149.67	35.00	184.67	255.83
3	Sand for Mortar	Local	cum	74.97	5	149.67	0.00	0.00	149.67	35.00	184.67	259.64
4	French Polish	Local	lit	163.53	5	0	0.00	0.00	0.00	0.00	0	163.53
5	40 mm CB Metal	Local	cum	983.89	5	149.67	0.00	0.00	149.67	130.00	279.67	1263.56
6	20 mm CB Chips	Local	cum	1428.51	5	149.67	0.00	0.00	149.67	130.00	279.67	1708.18
7	12 mm CB Chips	Local	cum	1475.83	5	149.67	0.00	0.00	149.67	130.00	279.67	1755.50
8	10 mm CB Chips	Local	cum	1561.77	5	149.67	0.00	0.00	149.67	130.00	279.67	1841.44
9	6.7 mm CB Chips	Local	cum	983.89	5	149.67	0.00	0.00	149.67	130.00	279.67	1263.56
10	4.7 mm CB Chips	Local	cum	902.94	5	149.67	0.00	0.00	149.67	130.00	279.67	1182.61
11	Cement -43 grade	Local	Quintel	630.00	5	16.17	0.00	0.00	16.17	0.00	16.17	646.17
12	HVSD Steel	Local	Tone	64500	5	161.72	0.00	0.00	161.72	0.00	161.72	64661.72
13	Binding Wire	Local	Kg	91.28	5	0.16	0.00	0.00	0.16	0.00	0.16	91.44
14	75-120 mm dia Sal bullah x5.5 long	Local	Rmt	51.87	5	0	0.00	0.00	0.00	0.00	0	51.87
15	150-200 mm dia Sal bullah x5.5 long	Local	Rmt	124.26	5	7.31	0.00	0.00	7.31	0.00	7.31	131.57
16	75 mm dia Non Sal bullah	Local	Rmt	30.81	5	0	0.00	0.00	0.00	0.00	0	30.81
17	100 mm dia Non Sal bullah	Local	Rmt	41.81	5	0	0.00	0.00	0.00	0.00	0	41.81
18	125 mm dia Non Sal bullah	Local	Rmt	41.81	5	0	0.00	0.00	0.00	0.00	0	41.81
19	150-200 mm dia Non Sal bullah	Local	Rmt	67.82	5	0	0.00	0.00	0.00	0.00	0	67.82
20	Seasoned SalWood beam of CS area not less than 150 Sq.cm & least lateral dimension 100 mm & above 2.75 m. long	Local	cum	65533.5	5	129.37	0.00	0.00	129.37	0.00	129.37	65662.87
21	Non Sal Wood Scantling & planks (Tentra, Kasi,Gambhari,Karuma)	Local	cum	58374.79	5	129.37	0.00	0.00	129.37	0.00	129.37	58504.16
22	Non Sal reapers	Local	cum	13268.45	5	129.37	0.00	0.00	129.37	0.00	129.37	13397.82
23	Ceramic wall tiles (20 cmx30 cm)/(20 cmx 20cm) plain/printed having thickness 6.5mm to 6.7 mm	Local	Sq.m.	336.12	5	5.37	9.90	0.00	15.27	0.00	15.27	351.39
24	Ceramic floor tiles (30 cmx30 cm)/(40 cmx 40cm) plain/printed having thickness 7 mm to 8 mm	Local	Sq.m.	381.95	5	5.37	9.90	0.00	15.27	0.00	15.27	397.22
25	Vertified polished floor tile 600mmx600mm plain (Ivory) having thickness 8mm to 10 mm	Local	Sq.m.	577.7	5	5.37	9.90	0.00	15.27	0.00	15.27	592.97

26	Verified polished floor tile 600mmx600mm colour/printed having thickness 8mm to 10 mm	Local	Sqmm.	693.24	5	5.37	9.90	0.00	15.27	0.00	15.27	708.51
27	Shell lime	Local	Kg	24.19	5	0.16	0.36	0.00	0.52	0.00	0.52	24.71
28	Wood Primer	Local	ltr	144.7	5	0.16	0.36	0.00	0.52	0.00	0.52	145.22
29	Wall Primer (oil bound)	Local	ltr	116.95	5	0.16	0.36	0.00	0.52	0.00	0.52	117.47
30	Wall Primer (water bound)	Local	ltr	138.75	5	0.16	0.36	0.00	0.52	0.00	0.52	139.27
31	Weather coat	Local	ltr	190.29	5	0.16	0.36	0.00	0.52	0.00	0.52	190.81
32	Plaster of paris	Local	Kg	12.45	5	0.16	0.36	0.00	0.52	0.00	0.52	12.97
33	Enamel paint	Local	ltr	191.28	5	0.16	0.36	0.00	0.52	0.00	0.52	191.80
34	Distemper	Local	Kg	65.41	5	0.16	0.36	0.00	0.52	0.00	0.52	65.93
35	Cement paint	Local	Kg	44.6	5	0.16	0.36	0.00	0.52	0.00	0.52	45.12
36	Redoxide Primer	Local	ltr	101.57	5	0.16	0.36	0.00	0.52	0.00	0.52	102.09
37	Black Glass-5mm	Local	Sqmm.	552.34	5	0.39	0.86	0.00	1.25	0.00	1.25	553.59
38	Aluminium extruded section	Local	Kg	224.68	5	0.52	1.17	0.00	1.69	0.00	1.69	226.37
39	M.S angle/sheet	Local	Tone	53150	5	161.72	0.00	0.00	161.72	0.00	161.72	53311.72

#### Rate of Labour wages

1	Male mulla	345.00
2	Female mulla	345.00
3	Semi-skilled mulla	385.00
4	Helper to carpenter, blacksmith, painter	385.00
5	Rod binder and bender	385.00
6	Thatcher or Gharami	385.00
7	Tile turner or tile layer	385.00
8	Well sinker (Open well)	385.00
9	Stone packer	385.00
10	Mason second class	435.00
11	Blacksmith second class	435.00
12	Carpenter second class	435.00
13	Painter (2nd class)	435.00
14	Mason (Special)	495.00
15	Blacksmith (Special)	495.00
16	Carpenter (Special)	495.00
17	Painter (Special)	495.00

Certified that the leads provided above are correct and minimum to the best of my knowledge.

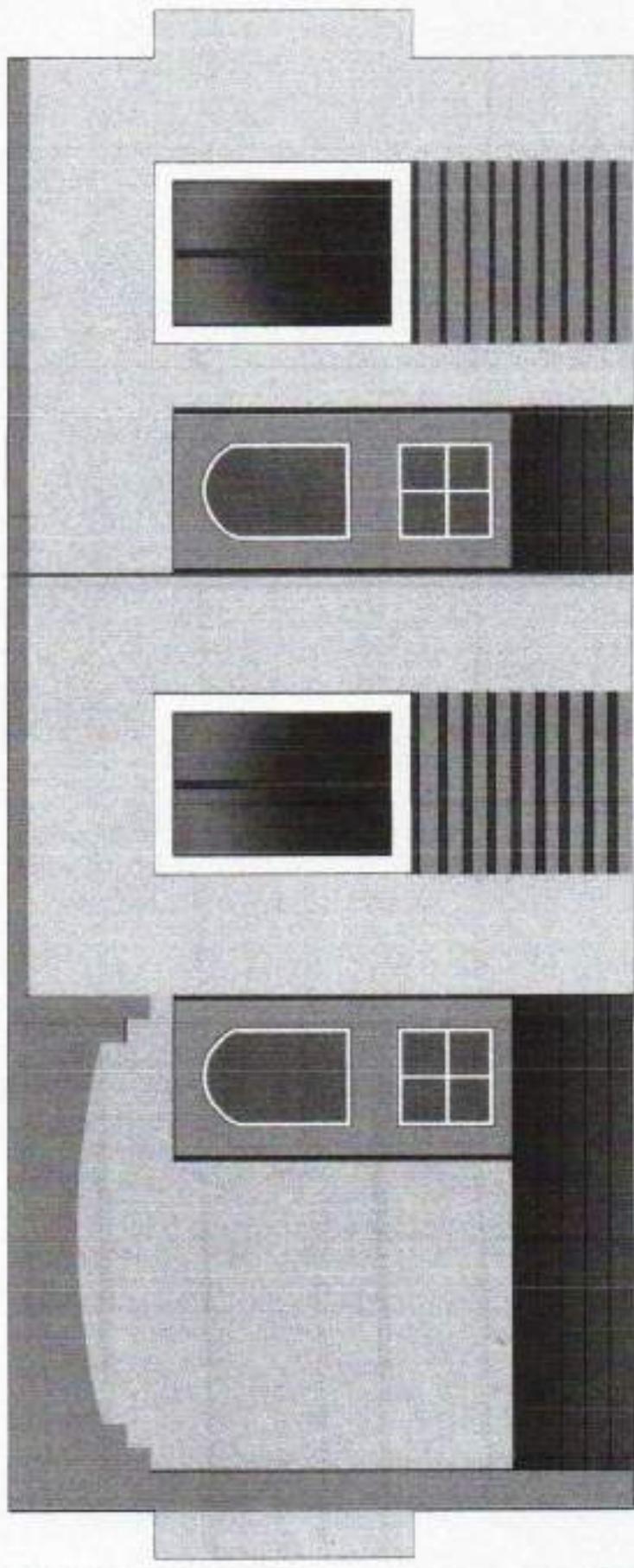
Asst. Conservator of Forest  
I/c Rayabatur Range



Assistant Executive Engineer  
(R & B) Sub-Division  
CHATRAPUR

Asst. Conservator of Forests,  
I/c- Berhampur Range

**FORESTER**  
Chatrapur Section



*Pranab Kumar*  
Principal Chief Conservator of Forests  
Forest Division & Nodal Officer, FC Act

*Nirmal Kumar*  
Chief Executive Officer  
State-GAMPA, Odisha  
O/o. PCCF & HoFF, Odisha

*Pradyumn Kumar*  
28/10/2020  
ACF (CAMPFA)  
28/10/2020  
Dy. CF (CAMPFA)  
Dy. CF (GAMPA)  
O/o PCCF, Odisha

NAME OF THE CONSULTANT:

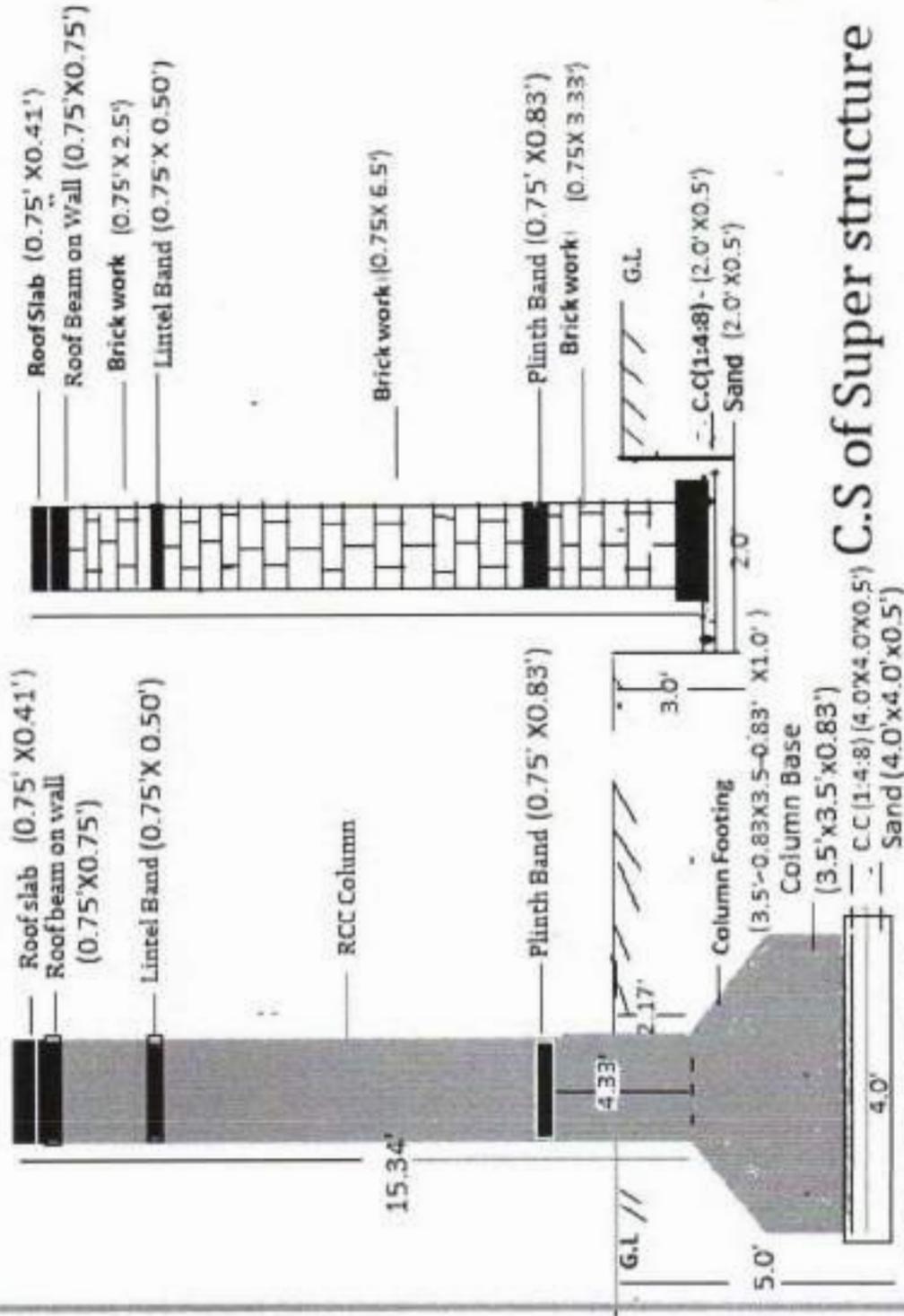
**SOVA CONSULTANTS**  
Approved by Govt. of Odisha (No. 30/001/2015 (Ordinal))  
Soil Testing Laboratory & Engineering Consultant.  
REGD. OFF. Plot No. 17, Agriculture Nagar, Bhubaneswar-751003, Odisha.  
Phone: 0671111000, 0672220094  
E-mail: sovaengg@gmail.com

**PROPOSED ELEVATION OF FOREST GUARD QUARTER.**

66



# Cross Section Plan for Construction of Forest Guard Quater



C.S of Super structure

C.S OF RCC Structure

*[Signature]*  
 Assistant Executive Engineer  
 (R & B) Sub-Division  
 CHATRAPUR

**FORESTER**  
 Chatrapur Section

*[Signature]*  
 Asst. Conservator of Forest  
 Vr. Berhampur Range