

GOVERNMENT OF ODISHA

FOREST DEPARTMENT

DISTRICT -KALAHANDI

DIVISION- FOREST SOUTH DIVISION

Scheme-



**DETAILED ESTIMATE
FOR
CONSTRUCTION OF BOUNDARY WALL AT
_____ FOREST SOUTH DIVISION
KALAHANDI**

ESTIMATED COST :- Rs 5,000=00

(Rupees Five thousand) only

REPORT
DETAILED ESTIMATE
FOR
CONSTRUCTION OF BOUNDARY WALL AT
FOREST SOUTH DIVISION
KALAHANDI

ESTIMATED COST :- Rs 5,000=00

Report:-

The estimate amounting to Rs 5,000.00 (Rupees Five thousand) only has been framed to meet the probable cost of expenditure for the above noted work.

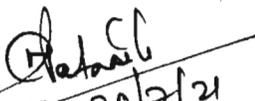
The boundary wall **specfiction** will have Fly ash Brick masonry of CM (1:6) of 1.5 mtr depth above the plinth has been taken.

The foundation will have 0.15 mt sand filling ,0.15 mt metal concrete of CC(1:3:6) and brick work in foundation of 1st footing of 0.6 x 0.15, 2nd footing of 0.5 x0.15mt and 3rd footing upto plinth of size 0.375 x 0.45 mt has provided. Above the plinth 0.050mt DPC to be laid.

The Brick masonry boundary wall will be 1.5mt heigh.At every 3 mt interval 0.375x0.375 mt masonry brick pillar given for provide additional strenth to boundary wall.The Brick masonry boundary wall well plastere with 12 mm & 16 mm thick with cm (1:6) & top brick coping provided.

Full finished surface of boundary wall painted with two coat weather coat paint to the new surface

The estimate has been framed basing on the current P.W.D.; S.O.R.-2014 with enhanced Labour & Materials Rate.The Orissa detailed standard & specification will be followed during the execution of the work.


30/7/21
Assistant Engineer
N.A.C.,Kesinga

5 Cement concrete 1:2:4 with 12mm size Crusher Broken granite chips for R.C.C work including hoisting laying metal including cost, conveyance and royalty etc. complete.

B Room Out side

Outer Face of the Building	1	1	1.00	0.375	0.050	0.02	Cum		
					a	<u>0.02</u>	Cum		
						<u>0.02</u>	Cum		
						<u>0.02</u>	Cum	5516.49	103.00
					Total (A+B)				

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

B Room Out side

Boundary wall	1	1	1.00		1.65	1.65	Sqm		
Boundary wall Plinth	1	1	1.00		0.50	0.50	Sqm		
					a	<u>1.65</u>	Sqm		
					a-b	<u>1.65</u>	Sqm		
					Total (A+B)	<u>1.65</u>	Sqm	136.48	225.00

7 16mm thick cement plaster (1:6) for brick work including cost, conveyance and royalty etc. complete.

B Room In side

Boundary wall	1	1	1.00		1.65	1.65	Sqm		
Boundary wall Plinth	1	1	1.00		0.50	0.50	Sqm		
						2.15	Sqm		
						<u>2.15</u>	Sqm		
					Total (A+B)	<u>2.15</u>	Sqm	194.76	419.00

8 Wall Painting two coats Outside surface of approved shade and colour using Weather Coats (Asian paint Apex Ultima/ICI Dulux) to outside surface of walls after cleaning the surface including watering and curing etc. complete including cost, conveyance and taxes of all materials, cost of primer, labour , T&P etc. required for the work all complete in all respect as per direction of the Engineer in Charge.

						<u>3.80</u>	Sqm		
					TOTAL	<u>3.80</u>	Sqm	83.94	319.00

TOTAL 4335.00
4335.00

ADD GST 12%

9 Display Board

150.00
5005.20

OR SAY 5000.00
(Rupees Five thousand)only

Chaitanya
30/3/24
Assistant Engineer
N.A.C., Kesinga

LEAD STATEMENT

SL NO.	ITEM	NAME OF QUARRY	DISTANCE IN KM	CARRIAGE COST	ROYALTY	TOTAL COST	MATERIAL COST	UNIT
1	Gravel or Moorum	Local Quarry	5	149.67	35.00	184.67	47.62	One Cum
2	Fly Ash Brick (23X11X7)CM	Local Quarry	5	154.76	0.00	154.763	1398.12	400N0s
3	Fly Ash Brick (25X12X8)CM	Local Quarry	5	193.45	0.00	193.454	1313.90	350 N0s
4	C.B.Brck Khoa	Local Quarry	5	149.67	0.00	241.70	240.00	One Cum
5	Sand for Mortar	Turkel	30	369.67	35.00	404.67	56.19	One Cum
6	Sand for Filling	Sagada	15	237.67	35.00	272.67	53.33	One Cum
7	Crusher Dust	Karlaguda	15	237.67	130.00	367.67	96.19	One Cum
8	Granite broken stone not less than 0.0025 cum stacked	Karlaguda	15	237.67	130.00	367.67	245.41	One Cum
9	Granite broken stone not less than 0.0025 cum Picked up	Karlaguda	15	237.67	130.00	367.67	200.87	One Cum
10	63mm HBG metal	Karlaguda	15	237.67	130.00	367.67	538.10	One Cum
11	63mm CBG metal	Karlaguda	15	237.67	130.00	367.67	677.14	One Cum
12	45mm HBG metal	Karlaguda	15	237.67	130.00	367.67	515.24	One Cum
13	45mm CBG metal	Karlaguda	15	237.67	130.00	367.67	700.95	One Cum
14	40mm HBG metal	Karlaguda	15	237.67	130.00	367.67	580.00	One Cum
15	40mm CBG metal	Karlaguda	15	237.67	130.00	367.67	724.26	One Cum
16	20mm CBG chips	Karlaguda	15	237.67	130.00	367.67	1046.67	One Cum
17	13.2mm HBG chips	Karlaguda	15	237.67	130.00	367.67	882.86	One Cum
18	13.2mm CBG chips	Karlaguda	15	237.67	130.00	367.67	1050.48	One Cum
19	12mm CBG chips	Karlaguda	15	237.67	130.00	367.67	1063.81	One Cum
20	12mm HBG chips	Karlaguda	15	237.67	130.00	367.67	889.52	One Cum
21	6mm CBG chips	Karlaguda	15	237.67	130.00	367.67	775.24	One Cum
22	4.7mm CBG chips	Karlaguda	15	237.67	130.00	367.67	713.33	One Cum
23	Wood non sal	Karlaguda	5	129.38	0.00	129.38	16342.74	One Cum
24	Cement (Prov)	Bhawanipatna	5	16.17	0.00	16.17	486.67	One Qntl
25	Steel (Prov.)	Bhawanipatna	5	16.17	0.00	16.17	47750.00	One Qtl
26	Granite Tiles (10mm thick)	Bhawanipatna	5	5.37	0.00	5.37	1032.28	One Sqm
27	Vertified Tiles (floor)	Bhawanipatna	5	5.37	0.00	5.37	571.65	One Sqm
28	ceramic Tiles (floor)	Bhawanipatna	5	5.37	0.00	5.37	337.80	One Sqm
29	ceramic Tiles (walls)	Bhawanipatna	5	5.37	0.00	5.37	304.72	One Sqm

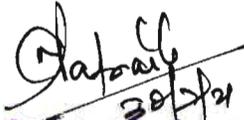
LABOUR RATE

Unskilled Labour	311.00
Semi-Skilled Labour	351.00
Skilled labour	401.00
Highly Skilled labour	461.00

ROYALTY

Sand Product	35.00 /CUM
Stone Product	130.00 /CUM

Certified that the Leads stated above are minimum and true to the best of my knowledge and belief.


 Assistant Engineer
 N.A.C., Kesinga

ANALYSIS

SL NO	DESCRIPTION	QUANTIT Y	UNIT		RATE		AMOUNT		REMARK S
					Rs.	P.	Rs.	P.	
1	2	3	4		5	6		7	
1	Earth Work Excavation in hard soil in layers not exceeding 0.30M in depth and as per direction of Engineer - In - Charge etc. complete								
	a Labour								
	Mulia	21	Nos.	Each	311.00		6531.00		
	Wo man Mulia	21	Nos.	Each	311.00		6531.00		
	b Sundreis charges 2% on (a)						261.24		
	c Over Head charges@ 7.5%						979.65		
	d Contractor profit @ 7.5%(a+b)(a+b)						979.65		
							Total	15282.54	
	Add 20 % for foundation							3056.51	
								18339.05	/100 Cum
							Total	183.39	/1 Cum
							TOTAL	183.39	
	e cess @1%							1.83	
							Total	185.22	/1 Cum
2	Filling in foundation and plinth with sand including well watering and ramming and cost of material etc complete.								
	a Material								
	Sand	100.00	Cum	Each	53.33		5333.00		
	b Labour								
	Mulia	12.36	Nos.	Each	311.00		3843.96		
	c Sundreis charges 2% on (a+b)						183.54		
	d Over Head charges@ 7.5%						702.04		
	e Contractor profit @ 7.5%(a+b)(a+b)						702.04		
							Total	10764.57	/100 Cum
							Total	107.65	/1 Cum
	f Carriage & royalty of sand	1.00	Cum	Cum	272.67		272.67		
							Total	380.32	/1 Cum
	g cess @1%							3.80	
							Total	384.12	/1 Cum
3	Cement concrete 1:3:6 with 4cm size Crusher Broken granite metal including cost, conveyance and royalty etc. complete.								
	a Material								
	CBG Stone 4cm	0.96	Cum	Cum	724.26		695.29		
	Sand	0.48	Cum	Cum	56.19		26.97		
	Cement (provisional rate)	2.29	Qntl	Qntl	486.67		1114.47		
	b Labour								
	Massion 2nd class	0.18	Nos.	Each	401.00		72.18		
	Mulia	3.9	Nos.	Each	311.00		1212.90		
							Total	3121.82	/1 Cum
	c Overhead charges 7.5% on (a+b)						234.14		
	d Contractors profit @ 7.5% on (a+b)						234.14		
							B/R	3590.09	/1 Cum
	e Carriage and royalty of material								
	CBG Stone 4cm	0.96	Cum	Cum	367.67		352.96		
	Sand	0.48	Cum	Cum	404.67		194.24		
	Cement	1.72	Qntl	Qntl	16.17		27.82		
							Total	4165.11	/1 Cum

	f	cess @1%					41.65	
						Total	4206.76	/1 Cum
4		RR Stone in cement Mortar (1:6) in foundation and plinth using 15 cm to 30 c size stonn						
	a	<u>Material</u>						
		CBG Stone 4cm	1	Cum	Cum	245.41	245.41	
		Sand	0.34	Cum	Cum	56.19	19.10	
		Cement (provisional rate)	0.8151	Qntl	Qntl	486.67	396.68	
	b	<u>Labour</u>						
		Massion 1st class	0.35	Nos.	Each	461.00	161.35	
		Massion 2nd class	1.41	Nos.	Each	401.00	565.41	
		Mulja	3.17	Nos.	Each	311.00	985.87	
						Total	2373.83	/1 Cum
	d	Overhead charges 7.5 % on (a+b)					178.04	
	e	Contractors profit @ 7.5%					178.04	
						B/R	2729.90	/1 Cum
	f	<u>Carriage and royalty of material</u>						
		Stone	1.0	Cum	Cum	367.67	367.67	
		Sand	0.34	Cum	Cum	404.67	137.59	
		Cement	0.8151	Qntl	Qntl	16.17	13.18	
						Total	3248.34	/1 Cum
	g	cess @1%					32.48	
						Total	3280.83	/1 Cum
5		Brick work with CB 23 x 11 x 8 cm in C.M. 1:6 including cost, conveyance & royalty etc. cocomplete						
	a	<u>Material</u>						
		Fly Ash Bricks	400	Nos.	Nos.	3.400	1360.00	
		Sand	0.28	Cum	Cum	56.19	15.73	
		Cement (provisional rate)	0.672	Qntl	Qntl	486.67	327.04	
	b	<u>Labour</u>						
		Massion special class	0.35	Nos.	Each	461.00	161.35	
		Massion second class	1.05	Nos.	Each	401.00	421.05	
		Mulja	2.96	Nos.	Each	311.00	920.56	
						Total	3205.74	
	c	Overhead charges 7.5 % on (a+b)					240.43	
	d	Contractors profit @ 7.5%					240.43	
						B/R	3686.60	/1 Cum
	e	<u>Carriage and royalty of material</u>						
		CB Brick	400	Nos.	Nos.	0.39	154.76	
		Sand	0.28	Cum	Cum	404.67	113.31	
		Cement	1	Qntl	Qntl	16.17	16.17	
						Total	3970.84	/1 Cum
	A	FOR FOUNDATION AND PLINTH						
						C/O	3970.84	/1 Cum
	f	cess @1%					39.71	
						Total	4010.55	/1 Cum
	B	FOR SUPERSTRUCTURE						
						C/O	3970.84	/1 Cum
		Add for B/W super structure for extra labour and					33.00	
						Total	4003.84	/1 Cum
	f	cess @1%					40.04	
						Total	4043.88	/1 Cum

6	R.C.C. work of M-20 grade with 20mm and down grade black hard granite (crusherbroken) stone chips including hoisting and laying, transportation of all materials to sitwe and as per direction by Engineer in charge						
a	<u>Material</u>						
	CBG chips 20mm	8.1	Cum	Cum	1046.67	8478.03	
	CBG chips 10mm	5.4	Cum	Cum	1150.00	6210.00	
	Sand	6.75	Cum	Cum	56.19	379.28	
	Cement	5.21	MT	MT	4866.70	25355.51	
b	<u>Labour</u>						
	Mate	0.86	Nos.	Each	351.00	301.86	
	Massion 2nd class	1.5	Nos.	Each	401.00	601.50	
	Mulia	20	Nos.	Each	311.00	6220.00	
c	<u>Machinery</u>						
	Concrete mixer(cap. 0.40/0.28 cum)	6.00	Hour	Hour	177.00	1062.00	
	Generator 33 KVA	6.00	Hour	Hour	240.00	1440.00	
					Total	50048.18	
d	Overhead charges 7.5 % on (a+b)					3753.61	
e	Contractors profit @ 7.5%					3753.61	
					B/R	57555.40	/15 Cum
f	<u>Carriage and royalty of material</u>						
	CBG chips 20mm	8.1	Cum	Cum	367.67	2978.13	
	CBG chips 10mm	5.4	Cum	Cum	367.67	1985.42	
	Sand	6.75	Cum	Cum	404.67	2731.52	
	Cement	5.21	MT	MT	161.72	842.56	
					Total	66093.03	/15 Cum
						4406.20	/ Cum
g	Tax @1%					44.06	
					Total	4450.26	/1 Cum
7	CENTERING & SHUTTERING WORK						
A	FOR RCC ROOFSLAB, CHAJJA						
	DATA FOR=9Sqm						
a	<u>Material</u>						
	Non sal wood scanting	0.112	Cum	Cum	16342.74	1830.39	
	Plank 38mm	0.34	Cum	Cum	16342.74	5556.53	
	120mm Dia Sal Bullah	56	Mt	Mt	108.00	6048.00	
	Carriage of wood	1.142	Cum	Cum	129.38	147.75	
						13582.67	
	Considering 10 times use of material					1358.27	
b	<u>Labour</u>						
	Carpenter 2nd class	2.75	Nos	Nos	401.00	1102.75	
	Semi skilled mulia	2.75	Nos	Nos	351.00	965.25	
					Total	3426.27	
c	Overhead charges 7.5% on (a+b)					256.97	
d	Contractors profit @ 7.5%					256.97	
					Total	3940.21	/9 Sqm
					Total	437.80	/ Sqm
e	Tax @1%					4.38	
					Total	442.18	/1Sqm
B	FOR RCC BEAM, COLUMN AND BED BLOCK						
	DATA FOR=4.2Sqm						
a	<u>Material</u>						
	38mm Thick non sal plank	0.218	Cum	Cum	16342.74	3562.72	
	120mm Dia sal bullah	15.2	Mt	Mt	108.00	1641.60	

	80mm Dia Sal Bullah	8	Mt	Mt	108.00	864.00
	Carriage of wood	0.456	Cum	Cum	129.38	59.00
						6127.31
	Considering 10 times use of material					612.73
b	Labour					
	Carpenter 2nd class	2.75	Nos	Nos	401.00	1102.75
	Semi skilled mulia	2.75	Nos	Nos	351.00	965.25
						2680.73
c	Overhead charges 7.5 % on (a+b)					201.05
d	Contractors profit @ 7.5%					201.05
					Total	3082.84 /4.2Sqm
					Total	734.01 /1Sqm
e	cess @1%					7.34
					Total	741.35 /1Sqm
C	FOR RCC LINTEL					
	DATA FOR=7.8 Sqm					
a	Material					
	Non sal Plank 38mm	0.413	Cum	Cum	16342.74	6749.55
	20mm Dia non sal Bullah	21	Mt	Mt	81.00	1701.00
	Carriage of wood	0.689	Cum	Cum	129.38	89.14
						8539.69
	Considering 10 times use of material					853.97
b	Labour					
	Carpenter 2nd class	1.25	Nos	Nos	401.00	501.25
	Semi skilled mulia	1.25	Nos	Nos	351.00	438.75
					Total	1793.97
c	Overhead charges 7.5 % on (a+b)					134.55
d	Contractors profit @ 7.5%					134.55
					Total	2063.06 /7.8Sqm
					Total	264.50 /1Sqm
e	cess @1%					2.64
					Total	267.14 /1Sqm
D	FOR RCC PLINTH BAND AND COLUMN					
	FOOTING BASES					
	DATA FOR=10 Sqm					
a	Material					
	Non sal Plank 25mm	0.267	Cum	Cum	16342.74	4363.51
	20mm Dia non sal Bullah	12.6	Mt	Mt	52.00	655.20
	Carriage of wood	0.3284	Cum	Cum	129.38	42.49
						5061.20
	Considering 10 times use of material					506.12
b	Labour					
	Carpenter 2nd class	0.5	Nos	Nos	401.00	200.50
	Semi skilled mulia	0.5	Nos	Nos	351.00	175.50
					Total	882.12
c	Overhead charges 7.5 % on (a+b)					66.16
d	Contractors profit @ 7.5%					66.16
					Total	1014.44 /10Sqm
					Total	101.44 /Sqm
e	cess @1%					1.01
					Total	102.46 /1Sqm
B	R.C.C. work of M-20 grade with 20mm and down					
	grade black hard granite (crusherbroken) stone					
A	FOR ROOF SLAB					
a	Rate of R.C.C is same vide item no					4450.26
b	Add for centering & shuttering					
	10Sqm/Cum @ Rs229.32/Sqm	10.0	Sqm	Sqm	442.18	4421.79

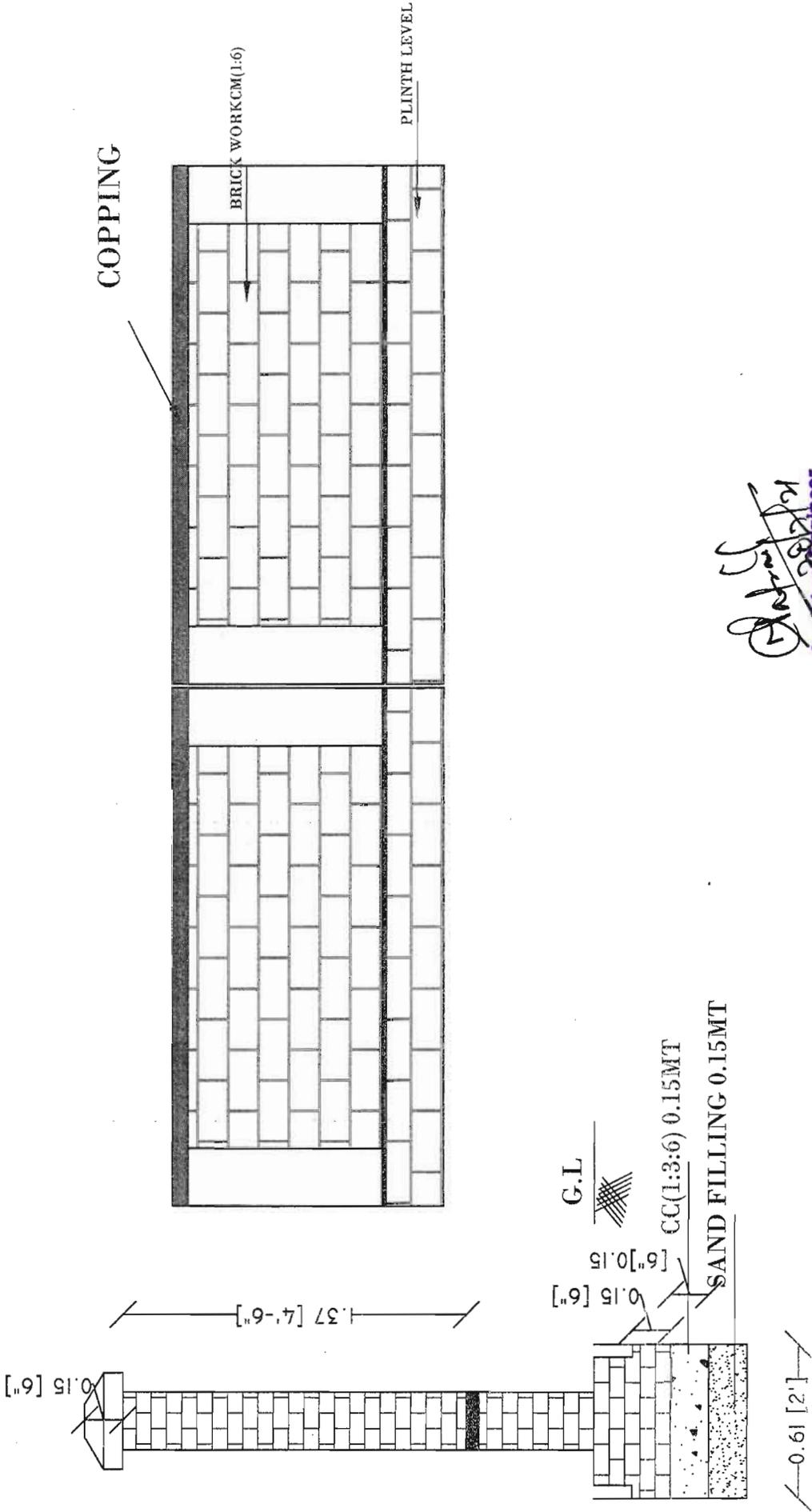
					Total	8872.05	Cum
B FOR RCC CHAJJA							
a	Rate of R.C.C is same vide item no	0.065	Cum	Cum	4450.26	289.27	
b	Add for centering & shuttering 1.1 Sqm/Cum@Rs229.32/Sqm	1.10	Sqm	Sqm	442.18	486.40	
					Total	775.66	/Sqm
C FOR BEAM, COLUMN AND BED BLOCK							
a	Rate of R.C.C is same vide item no					4450.26	
b	Add for centering & shuttering 8 Sqm/Cum@Rs312.48/Sqm	8.0	Sqm	Sqm	741.35	5930.80	
					Total	10381.06	/Cum
D FOR LINTEL							
a	Rate of R.C.C is same vide item no					4450.26	
b	Add for centering & shuttering 14 Sqm/Cum@Rs157.82/Sqm	14.0	Sqm	Sqm	267.14	3739.97	
					Total	8190.23	/Cum
E FOR PLINTH BAND							
a	Rate of R.C.C is same vide item no					4450.26	
b	Add for centering & shuttering 5 Sqm/Cum@Rs67.88/Sqm	5.0	Sqm	Sqm	102.46	512.29	
					Total	4962.56	/Cum
F FOR COLUMN BASE							
a	Rate of R.C.C is same vide item no					4450.26	
b	Add for centering & shuttering 5 Sqm/Cum@Rs67.88/Sqm	1.5	Sqm	Sqm	102.46	153.69	
					Total	4603.95	/Cum
2.5 cm thick grading concrete 1:2:2 on roof slab with 4mm size CBG chips on new work including cost, conveyance & royalty etc. complete							
a Material							
	CBG chips 4.7mm	0.0169	Cum	Cum	713.33	12.06	
	Sand	0.0169	Cum	Cum	56.19	0.95	
	Cement	0.1208	Qntl	Qntl	486.67	58.79	
b Labour							
	Massion special class	0.1	Nos.	Each	461.00	46.10	
	Mafia	0.36	Nos.	Each	311.00	111.96	
					Total	229.85	
c	Overhead charges 7.5 % on (a+b)					17.24	
d	Contractors profit @ 7.5%					17.24	
					B/R	264.33	/1Sqm
e Carriage and royalty of material							
	CBG chips 4.7mm	0.0169	Cum	Cum	367.67	6.21	
	Sand	0.0169	Cum	Cum	404.67	6.84	
	Cement	0.1208	Qntl	Qntl	16.17	1.95	
					Total	279.34	/1Sqm
	Access @ 1%					2.79	
					Total	282.13	/1Sqm
2.5cm Artificial stone flooring with C.C(1:2:4) using 12mm CBG Chips including cost, conveyance&							
a Material							
	CBG Chips 12mm	0.023	Cum	Cum	1063.81	24.47	
	Sand	0.012	Cum	Cum	56.19	0.67	
	Cement	0.0858	Qntl	Qntl	486.67	41.76	

	b	Labour						
		Massion special class	0.13	Nos.	Each	461.00	59.93	
		Mulia	0.36	Nos.	Each	311.00	111.96	
							238.79	
	c	Overhead charges 7.5 % on (a+b)					17.91	
	d	Contractors profit @ 7.5%					17.91	
						B/R	274.61	/1 Sqm
	e	Carriage and royalty of material						
		CBG Chips 12mm	0.023	Nos.	Nos.	367.67	8.46	
		Sand	0.012	Cum	Cum	404.67	4.86	
		Cement	0.0858	Qntl	Qntl	16.17	1.39	
						Total	289.31	/1 Sqm
	f	cess @1%					2.89	
						Total	292.20	/1Sqm
11		12mm thick cement plaster(1:6) for brick work including cost, conveyance and royalty etc.						
	a	Material						
		Sand	0.015	Cum	Cum	56.19	0.84	
		Cement	0.0358	Qntl	Qntl	486.67	17.42	
	b	Labour						
		Massion 2nd class	0.14	Nos.	Each	401.00	56.14	
		Mulia	0.12	Nos.	Each	311.00	37.32	
						Total	111.73	
	c	Overhead charges 7.5 % on (a+b)					8.38	
	d	Contractors profit @ 7.5%					8.38	
						B/R	128.48	/1Sqm
	e	Carriage and royalty of material						
		Sand	0.015	Cum	Cum	404.67	6.07	
		Cement	0.0358	Qntl	Qntl	16.17	0.58	
						Total	135.13	/1Sqm
	f	cess @1%					1.35	
						Total	136.48	/1Sqm
12		16mm thick cement plaster(1:6) for brick work including cost, conveyance and royalty etc. complete.						
	a	Material						
		Sand	0.018	Cum	Cum	56.19	1.01	
		Cement	0.043	Qntl	Qntl	486.67	20.93	
	b	Labour						
		Massion 2nd class	0.16	Nos.	Each	401.00	64.16	
		Mulia	0.24	Nos.	Each	311.00	74.64	
						Total	160.74	
	c	Overhead charges 7.5 % on (a+b)					12.06	
	d	Contractors profit @ 7.5%					12.06	
						B/R	184.85	/1Sqm
	e	Carriage and royalty of material						
		Sand	0.018	Cum	Cum	404.67	7.28	
		Cement	0.043	Qntl	Qnti	16.17	0.70	
						Total	192.83	/1Sqm
	f	cess @1%					1.93	
						Total	194.76	/1Sqm

13	Finishing Wall with water proffing cement paint of approved shade on new work two coat to give an even shade.						
	DATA FOR 10 SQM						
a	<u>Labour</u>						
	Painter second class	0.22	Nos.	Each	461.00	101.42	
	Mulia	0.32	Nos.	Each	311.00	99.52	
						200.94	
b	<u>Material</u>						
	Synthetic Putty	2.5	Kg	Kg	36.22	90.55	
b	Overhead charges 7.5 % on (a+b)					21.86	
c	Contractors profit @ 7.5%					21.86	
					Total	335.21	/10Sqm
					Total	33.52	/1 Sqm
e	Cess @ 1%					0.34	
					Total	33.86	/1 Sqm
14	Finishing Wall surface with Acrylic Wall putty(Water based) of approve make and finished smooth even surface to receive painting including cost of scaffolding staging charges with all cost of material taxes labour T & P etc complete.						
	DATA FOR 10 SQM						
a	<u>Labour</u>						
	Painter second class	0.50	Nos.	Each	401.00	200.50	
	Mulia	0.57	Nos.	Each	311.00	177.27	
						377.77	
b	<u>Material</u>						
	Synthetic Putty	8	Kg	Kg	50.68	405.44	
b	Overhead charges 7.5 % on (a+b)					58.74	
c	Contractors profit @ 7.5%					58.74	
					Total	900.69	/10Sqm
					Total	90.07	/1 Sqm
e	Cess @ 1%					0.90	
					Total	90.97	/1 Sqm
15	Wall Painting two coats with plastic emulsion paint of approved shade on new workto give an even shade including watering and curing etc. complete including cost, conveyance and taxes of all materials, cost of primer, labour , T&P etc. required for the						
	DATA FOR 10 SQM						
a	<u>Labour</u>						
	Painter special class	0.22	Nos.	Each	461.00	101.42	
	Mulia	0.32	Nos.	Each	311.00	99.52	
						200.94	
b	Overhead charges 7.5 % on (a+b)					15.07	
c	Contractors profit @ 7.5%					15.07	
					Total	231.08	/10Sqm
					Total	23.11	/1 Sqm
d	<u>Material</u>						

	Add cost of Plastic Emulsion paint 1.25Lt/10Sqm or 0.125Lt/1Sqm	0.125	Ltr	Ltr	240.00	30.00	
					Total	53.11	/1 Sqm
e	Cess @ 1%					0.53	
					Total	53.64	/1 Sqm
16	Wall Painting two coats Outside surface of approved shade and colour using Weather Coats (Asian paint Apex Ultima/ICI Dulux) to outside surface of walls after cleaning the surface including watering and curing etc. complete including cost, conveyance and taxes of all materials, cost of primer, labour, T&P						
	DATA FOR 10 SQM						
a	<u>Labour</u>						
	Painter special class	0.22	Nos.	Each	461.00	101.42	
	Mulia	0.32	Nos.	Each	311.00	99.52	
						200.94	
b	Overhead charges 7.5 % on (a+b)					15.07	
c	Contractors profit @ 7.5%					15.07	
					Total	231.08	/10Sqm
					Total	23.11	/1 Sqm
d	<u>Material</u>						
	Add cost of Weathercoat apex Ultima	0.3	Ltr	Ltr	200	60.00	
					Total	83.11	/1 Sqm
e	Cess @ 1%					0.83	
					Total	83.94	/1 Sqm
17	Painting two coats of Enamel paints to iron work over one coat of primer including sand papering and polishing the surface with cost, conveyance and taxes of all materials labour, T & P required for the work etc complete in all respect as per direction of the Engineer in charge.						
	DATA for 9.3 Sqm						
A	PRIMER COAT						
a	<u>Labour</u>						
	Painter special class	0.5	Nos.	Each	461.00	230.50	
	Mulia	0.5	Nos.	Each	311.00	155.50	
						386.00	
b	Overhead charges 7.5 % on (a+b)					28.95	
c	Contractors profit @ 7.5%					28.95	
					Total	443.90	/9.3Sqm
					Total	47.73	
d	<u>Material</u>						
	Add cost of primer 0.75Lt/10Sqm or 0.075Lt/Sqm @ Rs129.00/Lt	0.075	Ltr	Ltr	129	9.68	
					Total	57.41	/1 Sqm
B	PAINTING TWO COATS						
a	<u>Labour</u>						
	Painter special class	1.25	Nos.	Each	461.00	576.25	
	Mulia	1.1	Nos.	Each	311.00	342.10	
						918.35	
b	Overhead charges 7.5% on (a+b)					68.88	

c	Contractors profit @ 7.5%					68.88	
					Total	1056.10	/9.3Sqm
					Total	113.56	/1 Sqm
d	<u>Material</u>						
	Add cost of enamel paint 1.25Lt/10Sqm or 0.125Lt/1Sqm@ Rs145/Lt	0.125	Ltr	Ltr	193.00	24.13	
					Total	137.68	/1 Sqm
C	Total cost (A+B)				Total	195.09	/1 Sqm
	cess @1%					1.95	
					Total	197.04	/1 Sqm
18	Cutting, bending , binding, supplying and placing HYSD bar, Fe-415/500 grade reinforcement complete as per drawing and tech. specification etc						
a	<u>Material</u>						
	HYSD bar Reinforcement	1.05	MT	MT	47750.00	50137.50	provisinal
	Binding wire	8	Kg	Kg	79.00	632.00	
b	<u>Labour</u>						
	Mate	0.44	Nos.	Each	351.00	154.44	
	Blacksmith	3	Nos.	Each	461.00	1383.00	
	Mulia	8	Nos.	Each	311.00	2488.00	
						54794.94	
c	Overhead charges 7.5 % on (a+b)					4109.62	
d	Contractors profit @ 7.5%					4109.62	
					B/R	63014.18	/1 MT
e	<u>Carriage of material</u>						
	Steel	1.05	MT	MT	161.72	169.81	
					Total	63183.99	/1 MT
					Total	6318.3987	/1 Qntl
f	cess @1%					63.18	
					Total	6381.58	/1 Qntl
19	Cement concrete 1:2:4 with 12mm size Crusher Broken granite chips for R.C.C work including hoisting laying metal including cost, conveyance and royalty etc. complete.						
a	<u>Material</u>						
	CBG Stone 12 mm	0.9	Cum	Cum	1063.81	957.43	
	Sand	0.45	Cum	Cum	56.19	25.29	
	Cement (provisional rate)	3.23	Qntl	Qntl	486.67	1571.94	
b	<u>Labour</u>						
	Massion 2nd class	0.68	Nos.	Each	401.00	272.68	
	Mulia	4.6	Nos.	Each	311.00	1430.60	
					Total	4257.94	/1 Cum
d	Overhead charges 7.5 % on (a+b)					319.35	
e	Contractors profit @ 7.5%					319.35	
					B/R	4896.63	/1 Cum
f	<u>Carriage and royalty of material</u>						
	CBG Stone 12 mm	0.9	Cum	Cum	367.67	330.90	
	Sand	0.45	Cum	Cum	404.67	182.10	
	Cement	3.23	Qntl	Qntl	16.17	52.24	
					Total	5461.87	/1 Cum
g	cess @1%					54.62	
					Total	5516.49	/1 Cum



(Signature)
 Assistant Engineer
 N.A.C., Keesinga

BOUNDARY WALL CROSS SECTION

PROPOSED PLAN OF COMPOUND WALL