

Detailed Estimate

**OD/358/3420/118835/422766/00065224 : CONSTRUCTION OF BOUNDARY WALL WITH GATE AT JADABA BHAWAN,
MANDEL**

**Block : Narala, Gram Panchayat : Mandel
Created By:MANOJ KUMAR MOHANTA**

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	2.000	1.200	1.200	1.200	0.000	3.456	-
Total Quantity					3.456 cum (cum)		3.456 Cum (Cubic Meter)	
Amount					3.456 X 240.77592		832.12	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	2.000	1.200	1.200	0.100	0.000	0.288	-
Total Quantity					0.288 cum (cum)		0.288 Cum (Cubic Meter)	
Amount					0.288 X 451.776232		130.11	
3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	2.000	1.200	1.200	0.100	0.000	0.288	-
Total Quantity					0.288 cum (cum)		0.288 Cum (Cubic Meter)	

Amount				0.288 X 5763.7930378			1659.97	
4. R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips								
Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	2.000	1.200	1.200	0.250	0.000	0.720	-
ii		2.000	0.600	0.600	0.450	0.000	0.324	-
iii		2.000	0.375	0.250	3.300	0.000	0.619	-
iv	Beam	1.000	32.000	0.250	0.200	0.000	1.600	-
v		1.000	32.000	0.250	0.100	0.000	0.800	-
vi		1.000	4.500	0.250	0.250	0.000	0.281	-
vii		1.000	3.250	0.250	0.375	0.000	0.305	-
Total Quantity					4.6486875 cum (cum)		4.6486875 Cum (Cubic Meter)	
Amount				4.6486875 X 6026.918474746			28017.26	
5. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	8.000	1.200	0.000	0.250	0.000	2.400	-
ii		8.000	0.600	0.000	0.450	0.000	2.160	-
iii		2.000	32.000	0.000	0.200	0.000	12.800	-
iv		2.000	4.500	0.000	0.250	0.000	2.250	-

v		2.000	32.000	0.000	0.100	0.000	6.400	-
Total Quantity					26.01 Sqm (Sqm)		26.01 Sqm (Square Meter)	
Amount					26.01 X 216.23489289764		5624.27	
6. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	4.000	0.375	0.000	3.000	0.000	4.500	-
ii		4.000	0.250	0.000	3.000	0.000	3.000	-
iii		2.000	3.200	0.000	0.375	0.000	2.400	-
iv		1.000	2.500	0.000	0.250	0.000	0.625	-
Total Quantity					10.525 Sqm (Sqm)		10.525 Sqm (Square Meter)	
Amount					10.525 X 1047.3822930467		11023.70	
7. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position								
Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Rod	3.580	0.000	0.000	0.000	0.000	3.580	-
Total Quantity					3.58 Qntl (Quintal)		3.58 Qntl (Quintal)	
Amount					3.58 X 8439.929862		30214.95	
8. Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure								

Brickwork with C.B. Bricks of size (23cm x 11 cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	32.000	0.250	1.750	0.000	14.000	-
ii		2.000	0.750	0.250	3.000	0.000	1.125	-
iii	Deduction	1.000	0.750	0.250	1.600	0.000	-	0.300
iv		1.000	32.000	0.250	0.200	0.000	-	1.600
v		1.000	32.000	0.250	0.100	0.000	-	0.800
Total Quantity					12.425 cum (cum)		12.425 Cum (Cubic Meter)	
Amount					12.425 X 5000.64500064		62133.01	

9. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	32.000	0.000	1.750	0.000	112.000	-
ii		2.000	4.500	0.000	3.000	0.000	27.000	-
iii	Deduction	1.000	2.450	0.500	2.600	0.000	-	3.185
iv		1.000	0.750	0.500	1.600	0.000	-	0.600
Total Quantity					135.215 Sqm (Sqm)		135.215 Sqm (Square Meter)	
Amount					135.215 X 172.989809996		23390.82	

10. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	32.000	0.000	1.750	0.000	112.000	-
ii		2.000	4.500	0.000	3.000	0.000	27.000	-
iii	Deduction	1.000	2.450	0.500	2.600	0.000	-	3.185
iv		1.000	0.750	0.500	1.600	0.000	-	0.600
Total Quantity					135.215 Sqm (Sqm)		135.215 Sqm (Square Meter)	
Amount					135.215 X 72.860453727742		9851.83	

11. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)

Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	32.000	0.000	1.750	0.000	112.000	-
ii		2.000	4.500	0.000	3.000	0.000	27.000	-
iii	Deduction gate	1.000	2.450	0.500	2.600	0.000	-	3.185
iv		1.000	0.750	0.500	1.600	0.000	-	0.600
Total Quantity					135.215 Sqm (Sqm)		135.215 Sqm (Square Meter)	
Amount					135.215 X 87.2128397125		11792.48	

12. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	20.000	0.000	0.000	0.000	0.000	20.000	-
Total Quantity					20 Kg (Kilo Gram)		0.2 Qntl (Quintal)	
Amount					0.2 X 15764.178797087		3152.84	
Total Amount							187823.36	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2500.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							56676.00	
Provision for survey investigation and quality control (+) @								
Total Addition							62176.00	
Grand Net Total Amount							249999.36	

MANOJ KUMAR MOHANTA
JE
Narala Block

SUDHANSU MAHALI
AEE
Narala Block

BIPIN BIHARI DEEP
BDO
Narala Block