

Detailed Estimate

OD/351/3348/117223/382726/00079318 : CONSTRUCTION OF SUNAMUNDA PATRAPADA ROAD AND CULVERT
Block : Tileibani, Gram Panchayat : Baniakilinda
Created By: BHOLANATH MAJHI

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	Abt	2.000	6.100	1.500	1.500	0.000	27.450	-
ii	Wings	4.000	1.800	1.500	1.500	0.000	16.200	-
iii	Cut Off	2.000	0.900	0.500	1.200	0.000	1.080	-
iv	Bed	1.000	5.100	0.900	0.450	0.000	2.066	-
v	G.Wall	1.000	14.250	1.200	1.200	0.000	20.520	-
Total Quantity					67.3155 cum (cum)		67.3155 Cum (Cubic Meter)	
Amount					67.3155 X 240.77592		16207.95	
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	Abt	2.000	6.100	1.500	0.150	0.000	2.745	-
ii	Wings	4.000	1.800	1.500	0.150	0.000	1.620	-
iii	Bed	1.000	5.100	1.050	0.100	0.000	0.536	-
iv	G.wall	1.000	14.250	1.200	0.150	0.000	2.565	-
Total Quantity					7.4655 cum (cum)		7.4655 Cum (Cubic Meter)	
Amount					7.4655 X 433.101332		3233.32	
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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abt	2.000	6.100	1.500	0.450	0.000	8.235	-
ii	Abt	2.000	6.100	1.350	0.900	0.000	14.823	-
iii	Abt	2.000	6.100	0.825	1.500	0.000	15.098	-
iv	Wings	4.000	1.800	1.500	0.450	0.000	4.860	-
v	Wings	4.000	1.875	1.350	0.400	0.000	4.050	-
vi	Wings	4.000	2.175	0.825	1.500	0.000	10.766	-
vii	Cut Off	2.000	0.900	0.500	0.300	0.000	0.270	-
viii	Cut Off	2.000	1.050	0.500	0.900	0.000	0.945	-
ix	Bed	1.000	5.100	1.350	0.150	0.000	1.033	-
x	Paraoeet	2.000	2.100	0.450	0.600	0.000	1.134	-
xi	G.wall	1.000	14.250	0.750	1.800	0.000	19.238	-
Total Quantity					80.451 cum (cum)		80.451 Cum (Cubic Meter)	
Amount					80.451 X 5823.34107836		468493.61	

4. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abt	2.000	6.100	0.000	1.500	0.000	18.300	-
ii	Wings	4.000	3.300	0.000	1.500	0.000	19.800	-
iii	Wings	4.000	2.175	0.000	0.750	0.000	6.525	-
iv	Wings	4.000	0.825	0.000	1.500	0.000	4.950	-
v	G.wall	2.000	14.250	0.000	0.750	0.000	21.375	-

Total Quantity	70.95 Sqm (Sqm)	70.95 Sqm (Square Meter)
Amount	70.95 X 195.0904793848	13841.67

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abt	4.000	6.100	0.000	2.400	0.000	58.560	-
ii	Abt	4.000	1.350	0.000	0.900	0.000	4.860	-
iii	Abt	4.000	0.825	0.000	1.500	0.000	4.950	-
iv	Wings	8.000	1.875	0.000	0.900	0.000	13.500	-
v	Wings	8.000	2.175	0.000	1.500	0.000	26.100	-
vi	Wings	4.000	1.350	0.000	0.900	0.000	4.860	-
vii	Wings	4.000	0.825	0.000	1.500	0.000	4.950	-
viii	Parapeet	4.000	2.100	0.000	0.600	0.000	5.040	-
ix	Parapeet	4.000	0.450	0.000	0.600	0.000	1.080	-
x	G.wall	2.000	14.250	0.000	1.800	0.000	51.300	-
xi	G.wall	2.000	0.750	0.000	1.800	0.000	2.700	-

Total Quantity	177.9 Sqm (Sqm)	177.9 Sqm (Square Meter)
Amount	177.9 X 216.23489289764	38468.19

6. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas

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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	6.100	1.200	0.000	0.000	7.320	-

ii	Side	2.000	6.100	0.300	0.000	0.000	3.660	-
iii	Side	2.000	2.100	0.300	0.000	0.000	1.260	-
Total Quantity					12.24 Sqm (Sqm)		12.24 Sqm (Square Meter)	
Amount					12.24 X 662.689943368		8111.32	

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	HYSD Bar	1.000	3.570	0.000	0.000	0.000	3.570	-
Total Quantity					3.57 Qntl (Quintal)		3.57 Qntl (Quintal)	
Amount					3.57 X 9968.2344405		35586.60	

8. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	6.100	2.100	0.300	0.000	3.843	-
Total Quantity					3.843 cum (cum)		3.843 Cum (Cubic Meter)	
Amount					3.843 X 5951.9397138972		22873.30	

Total Amount (A) : 606815.97

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.6750	-	6750
2	Display Citizen Board @ Rs.5000	-	5000

Additional Components Amount (F) : 11750

Grand Total Amount (A + F) : 618565.9656707

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AEE
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Priyadarshani Mirdha
BDO
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