

Detailed Estimate

OD/346/3305/116254/393253/00067455 : Const of CC road from Charabadi RD Road to Kalinga
Block : Nilgiri, Gram Panchayat : Tentulia
Created By:Ramesh Singh

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	cut off	2.000	53.000	0.350	0.250	0.000	9.275	-
ii	abutment	2.000	3.700	0.600	0.600	0.000	2.664	-
iii	base	1.000	3.700	0.750	0.300	0.000	0.833	-
Total Quantity					12.7715 cum (cum)		12.7715 Cum (Cubic Meter)	
Amount					12.7715 X 240.77592		3075.07	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	cut off	2.000	53.000	0.250	0.050	0.000	1.325	-
ii	road	1.000	53.000	3.200	0.150	0.000	25.440	-
iii	abutment	2.000	3.700	0.600	0.100	0.000	0.444	-
iv	base	1.000	3.700	0.750	0.100	0.000	0.278	-
Total Quantity					27.4865 cum (cum)		27.4865 Cum (Cubic Meter)	
Amount					27.4865 X 987.278232		27136.82	
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	cut off	2.000	53.000	0.250	0.250	0.000	6.625	-
ii	road	1.000	53.000	3.700	0.100	0.000	19.610	-
iii	abutment	2.000	3.700	0.600	0.150	0.000	0.666	-
iv	base	1.000	3.700	61.000	0.100	0.000	22.570	-
Total Quantity					49.471 cum (cum)		49.471 Cum (Cubic Meter)	
Amount					49.471 X 6304.3340692		311881.71	

4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	road	1.000	53.000	3.700	0.100	0.000	19.610	-
Total Quantity					19.61 cum (cum)		19.61 Cum (Cubic Meter)	
Amount					19.61 X 7732.8008244		151640.22	

5. 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	base	1.000	3.700	1.950	0.100	0.000	0.722	-
ii	abutment	2.000	3.700	0.600	0.900	0.000	3.996	-
iii	slab	1.000	3.700	1.950	0.250	0.000	1.804	-

Total Quantity		6.52125 cum (cum)		6.52125 Cum (Cubic Meter)				
Amount		6.52125 X 6447.965676724		42048.80				
6. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	rod	6.000	0.000	0.000	0.000	0.000	6.000	-
Total Quantity		6 Qntl (Quintal)		6 Qntl (Quintal)				
Amount		6 X 8427.9076199		50567.45				
7. 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	abutment	4.000	3.700	0.750	0.000	0.000	11.100	-
ii	cut off	4.000	52.500	0.250	0.000	0.000	52.500	-
iii	road	2.000	52.500	0.200	0.000	0.000	21.000	-
Total Quantity		84.6 Sqm (Sqm)		84.6 Sqm (Square Meter)				
Amount		84.6 X 216.23489289764		18293.47				
8. R.C.C. Work (AR0410a) : First floor								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	slab	1.000	3.700	0.750	0.000	0.000	2.775	-
Total Quantity					2.775 Sqm (Sqm)		2.775 Sqm (Square Meter)	
Amount					2.775 X 795.2279320416		2206.76	
Total Amount							606850.30	
Addition								
Provision for Contingency (+) @							6200.00	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @							4949.00	
Provision for survey investigation and quality control (+) @								
Total Addition							13149.00	
Grand Net Total Amount							619999.30	

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