

Detailed Estimate

OD/361/3452/119459/386031/00013832 : Improvement of road from Tikarpada khalanali to Rathamara
Block : Kendujhar Sadar, Panchayat : Mahadeijoda
Created By:Kshirod Chandra Nayak

1. Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation								
Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	1	44.000	3.650	0.000	0.000	0.000	160.600	-
Total Quantity					160.6 Sqm (Sqm)		160.6 Sqm (Square Meter)	
Amount					160.6 X 4.5652		733.17	
2. 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	44.000	0.250	0.150	0.000	3.300	-
ii	Guard wall	1.000	15.740	1.060	1.060	0.000	17.686	-
iii	HEAD WALL(HUME PIPE)	2.000	3.650	1.220	1.220	0.000	10.865	-
iv	HUME PIPE (BED)	1.000	5.210	1.060	1.220	0.000	6.738	-
Total Quantity					38.588356 cum (cum)		38.588356 Cum (Cubic Meter)	
Amount					38.588356 X 235.56432		9090.04	
3. 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	44.000	0.250	0.050	0.000	1.100	-

ii	Middle base	1.000	44.000	3.150	0.067	0.000	9.286	-
iii	Guard wall	1.000	15.740	1.060	0.150	0.000	2.503	-
iv	CULVERT(HEAD WALL)	2.000	3.650	1.220	0.150	0.000	1.336	-
v	BED	1.000	5.210	1.060	0.150	0.000	0.828	-
Total Quantity					15.05315 cum (cum)		15.05315 Cum (Cubic Meter)	
Amount					15.05315 X 993.806872		14959.92	

4. 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	44.000	0.250	0.200	0.000	4.400	-
ii	Middle base	1.000	44.000	3.150	0.100	0.000	13.860	-
iii	Guard wall	1.000	15.740	1.060	0.150	0.000	2.503	-
iv		1.000	15.740	0.640	1.520	0.000	15.312	-
v	HEAD WALL(HUME PIPE)	2.000	3.650	1.220	0.150	0.000	1.336	-
vi	HEAD WALL(HUME PIPE)	2.000	3.650	0.775	1.520	0.000	8.599	-
vii	PARAPET	2.000	3.650	0.380	0.450	0.000	1.248	-
viii	CASINNG	1.000	5.950	1.060	1.220	0.000	7.695	-
ix	HUME(INSERTION)	1.000	0.786	1.124	7.500	0.000	-	6.621
Total Quantity					48.331460122 cum (cum)		48.331460122 Cum (Cubic Meter)	
Amount					48.331460122 X 6102.31489334		294933.79	

5. 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	Wearing coat	1.000	44.000	3.650	0.100	0.000	16.060	-
ii	Gurd wall	1.000	15.740	0.380	0.050	0.000	0.299	-
iii	HEAD WALL	2.000	3.650	0.450	0.060	0.000	0.197	-
iv	CASING OF HUME PIPE	1.000	6.600	1.060	0.060	0.000	0.420	-
Total Quantity					16.97592 cum (cum)		16.97592 Cum (Cubic Meter)	
Amount					16.97592 X 7589.05198658		128831.14	

6. 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	Cut off	2.000	44.000	0.150	0.000	0.000	13.200	-
ii		2.000	44.000	0.050	0.000	0.000	4.400	-
iii	Wearing coat	2.000	44.000	0.100	0.000	0.000	8.800	-
iv	Guard wall	1.000	15.740	1.520	0.000	0.000	23.925	-
v		1.000	15.740	1.600	0.000	0.000	25.184	-
vi	HEAD WALL	2.000	3.650	1.520	0.000	0.000	11.096	-
vii	HEAD WALL	2.000	3.650	1.650	0.000	0.000	12.045	-
viii	PARAPET	4.000	3.650	0.450	0.000	0.000	6.570	-
ix	INSERTION	2.000	1.060	2.000	0.000	0.000	-	4.240
x	HUME PIPE CASINFG	2.000	6.745	1.060	0.000	0.000	14.299	-
xi	FACE	4.000	0.775	1.520	0.000	0.000	4.712	-

Total Quantity				119.9912 Sqm (Sqm)			119.9912 Sqm (Square Meter)	
Amount				119.9912 X 215.22489289764			25825.09	
7. Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil 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	Berm	2.000	44.000	0.600	0.225	0.000	11.880	-
Total Quantity				11.88 cum (cum)			11.88 Cum (Cubic Meter)	
Amount				11.88 X 196.3036			2332.09	
8. miscellaneous (ARM261) : Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 600mm dia R.C.C, pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.								
Laying and fixing in position R.C.C. spun pipes with collars jointed with cement mortar 1:3 complete excluding cost of spun pipes and collars 600mm dia R.C.C, pipe. (Other miscellaneous items) and as directed by Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	SPUN PIPE	1.000	24.750	1.000	0.000	0.000	24.750	-
Total Quantity				24.75 Ft (Feet)			7.5437997585984 Rmt (Meter)	
Amount				7.5437997585984 X 37.35			281.76	
Total Amount							476987.00	
Addition								
Provision for Contingency (+) @							4500.00	
Display Citizen Board (+) @							3500.00	
Any Other Lumpsum (+) @							15012.00	
Total Addition							23012.00	
Grand Net Total Amount							499999.00	