

Detailed Estimate

OD/368/3534/120847/421736/00016414 : Improvement Of Road With CD Work From Paregaon To Sethjampani

Block : Nuapada, Gram Panchayat : Motanuapada

Created By:DHANANJAYA KALO

1. 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	Abutment	2.000	6.000	1.200	1.200	0.000	17.280	-
ii	wing wall	4.000	3.000	1.200	1.200	0.000	17.280	-
iii	Guard wall	4.000	15.300	0.900	0.900	0.000	49.572	-
iv	cut off D S	1.000	2.000	0.600	1.500	0.000	1.800	-
v	US	1.000	2.000	0.600	0.900	0.000	1.080	-
vi	Apron cut off	2.000	2.000	0.600	1.500	0.000	3.600	-
vii		1.000	2.500	0.600	1.500	0.000	2.250	-
viii	US	2.000	1.500	0.600	0.900	0.000	1.620	-
ix		1.000	2.500	0.600	0.900	0.000	1.350	-
Total Quantity					95.832 cum (cum)		95.832 Cum (Cubic Meter)	
Amount					95.832 X 196.3036		18812.17	
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	Abutment	2.000	6.000	1.200	0.150	0.000	2.160	-
ii	Wing wall	4.000	6.000	1.200	0.150	0.000	4.320	-
iii	Guard wall	4.000	15.000	0.900	0.150	0.000	8.100	-
iv	cut off	2.000	2.000	0.600	0.150	0.000	0.360	-

v	Aprone cutoff	2.000	2.000	0.600	0.150	0.000	0.360	-
vi		1.000	2.500	0.600	0.150	0.000	0.225	-
vii	US	2.000	1.500	0.600	0.150	0.000	0.270	-
viii		1.000	2.500	0.600	0.150	0.000	0.225	-
Total Quantity					16.02 cum (cum)		16.02 Cum (Cubic Meter)	
Amount					16.02 X 597.361672		9569.73	

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	Abutment	2.000	6.000	1.200	0.225	0.000	3.240	-
ii		2.000	6.000	0.800	2.550	0.000	24.480	-
iii	Wing wall	4.000	3.000	1.200	0.225	0.000	3.240	-
iv		4.000	3.000	0.675	2.550	0.000	20.655	-
v	Gwall	4.000	15.300	0.900	0.150	0.000	8.262	-
vi		4.000	15.300	0.675	0.900	0.000	37.179	-
vii	cut off DS	1.000	2.000	0.600	1.500	0.000	1.800	-
viii	US	1.000	2.000	0.600	0.900	0.000	1.080	-
ix	c ut off	2.000	2.000	0.600	1.500	0.000	3.600	-
x		1.000	2.500	0.600	1.500	0.000	2.250	-
xi	us us	2.000	1.500	0.600	0.900	0.000	1.620	-
xii		1.000	2.500	0.600	0.900	0.000	1.350	-
xiii	Apron Bed DS	1.000	2.500	2.000	0.150	0.000	0.750	-
xiv	US	1.000	2.500	1.500	0.150	0.000	0.563	-
xv	Vent	1.000	6.000	2.000	0.150	0.000	1.800	-

Total Quantity	111.8685 cum (cum)	111.8685 Cum (Cubic Meter)
Amount	111.8685 X 5403.18274486	604445.95

4. 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	Abutment	2.000	6.000	2.550	0.000	0.000	30.600	-
ii	wing wall	4.000	3.000	2.550	0.000	0.000	30.600	-
iii	cut off	1.000	2.000	1.500	0.000	0.000	3.000	-
iv		1.000	2.000	0.900	0.000	0.000	1.800	-
v	g wall	4.000	15.000	0.900	0.000	0.000	54.000	-
vi	Aprone cut off	4.000	2.000	1.500	0.000	0.000	12.000	-
vii		2.000	2.500	1.500	0.000	0.000	7.500	-
viii	US	4.000	1.500	0.900	0.000	0.000	5.400	-
ix		4.000	2.500	0.900	0.000	0.000	9.000	-

Total Quantity	153.9 Sqm (Sqm)	153.9 Sqm (Square Meter)
Amount	153.9 X 215.85588853924	33220.22

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	Slab	1.000	6.000	3.200	0.300	0.000	5.760	-
ii	Pire cap	2.000	6.000	0.750	0.150	0.000	1.350	-

Total Quantity	7.11 cum (cum)	7.11 Cum (Cubic Meter)
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Amount						7.11 X 5739.1745001222	40805.53	
6. 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 specifaion and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Bed	1.000	6.000	2.000	0.050	0.000	0.600	-
ii	Apron	1.000	2.500	2.000	0.075	0.000	0.375	-
iii	us	1.000	2.150	1.500	0.075	0.000	0.242	-
Total Quantity					1.216875 cum (cum)		1.216875 Cum (Cubic Meter)	
Amount						1.216875 X 6965.10855282	8475.67	
7. 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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	6.000	2.000	0.000	0.000	12.000	-
Total Quantity					12 Sqm (Sqm)		12 Sqm (Square Meter)	
Amount						12 X 790.74695365227	9488.96	
8. 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	Skin Reinforcement	8.500	0.000	0.000	0.000	0.000	8.500	-
ii	Slab	7.000	0.000	0.000	0.000	0.000	7.000	-
Total Quantity					15.5 Qntl (Quintal)		15.5 Qntl (Quintal)	
Amount						15.5 X 7587.4812568	117605.96	

9. Special items for irrigation works (AR0216) : Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum

Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	in betn Road And G wall	2.000	30.000	1.500	1.000	0.000	90.000	-
ii	Road	1.000	30.000	6.000	0.600	0.000	108.000	-
Total Quantity					198 cum (cum)		198 Cum (Cubic Meter)	
Amount					198 X 67.165		13298.67	

10. Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR

Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	62.000	3.650	0.100	0.000	22.630	-
Total Quantity					22.63 cum (cum)		22.63 Cum (Cubic Meter)	
Amount					22.63 X 988.68076867845		22373.85	
Total Amount							878096.71	

Addition

Provision for Contingency (+) @							8780.97	
Display Citizen Board (+) @							3500.00	
Any Other Lumpsum (+) @							9535.00	
Total Addition							21815.97	
Grand Net Total Amount							899912.67	