

Detailed Estimate

OD/370/3547/121123/425339/00069204 : CONSTRUCTION OF CULVERT FROM KODAHUNDI TO HARGULI

Block : Bissamcuttack, Gram Panchayat : Raskola

Created By: SAGAR GOUDA

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	ABUTMENT	2.000	5.450	1.200	1.200	0.000	15.696	-
ii	Cut-off Wall U/S	1.000	2.400	0.450	0.600	0.000	0.648	-
iii	Cutoff Wall D/S	1.000	2.400	0.450	0.900	0.000	0.972	-
iv	Wing Wall U/S	2.000	1.500	0.450	0.900	0.000	1.215	-
v	Wing Wall D/S	2.000	4.500	0.450	0.900	0.000	3.645	-
vi	Abutment	4.000	0.450	0.450	0.900	0.000	-	0.729
Total Quantity					21.447 cum (cum)		21.447 Cum (Cubic Meter)	
Amount					21.447 X 240.77592		5163.92	
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	5.450	1.200	1.200	0.000	15.696	-
ii	Cut-off Wall U/S	1.000	2.400	0.450	0.150	0.000	0.162	-
iii	Cutoff Wall D/S	1.000	2.400	0.450	0.150	0.000	0.162	-

iv	Wing Wall U/S	2.000	1.500	0.450	0.150	0.000	0.203	-
v	Wing Wall D/S	2.000	4.500	0.450	0.150	0.000	0.608	-
vi	Abutment	4.000	0.450	0.450	0.150	0.000	-	0.122
vii	Filling sand U/S & D/S Sida	1.000	3.500	2.300	0.000	0.000	8.050	-
Total Quantity					24.7585 cum (cum)		24.7585 Cum (Cubic Meter)	
Amount					24.7585 X 650.948232		16116.50	

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 BGL	2.000	5.450	1.200	1.200	0.000	15.696	-
ii	Cut-off Wall U/S BGL	1.000	2.400	0.450	0.150	0.000	0.162	-
iii	Cutoff Wall D/S BGL	1.000	2.400	0.450	0.150	0.000	0.162	-
iv	Wing Wall U/S BGL	2.000	1.500	0.450	0.150	0.000	0.203	-
v	Wing Wall D/S BGL	2.000	4.500	0.450	0.150	0.000	0.608	-
vi	Abutment BGL	4.000	0.450	0.450	0.150	0.000	-	0.122
vii	Abutment AGL	2.000	5.450	0.750	1.200	0.000	9.810	-
viii	Wing Wall U/S AGL	2.000	1.500	0.450	0.450	0.000	0.608	-
ix	Wing Wall D/S	2.000	4.500	0.450	0.450	0.000	1.823	-
x	Abutment AGL	1.000	0.750	0.750	0.900	0.000	-	0.506
Total Quantity					28.44225 cum (cum)		28.44225 Cum (Cubic Meter)	

Amount		28.44225 X 5335.94013242					151766.14	
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	Slab	1.000	5.450	2.450	0.300	0.000	4.006	-
Total Quantity					4.00575 cum (cum)		4.00575 Cum (Cubic Meter)	
Amount		4.00575 X 5640.9811629834					22596.36	
5. 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	Hysd bar for slab	1.000	4.500	0.000	1.000	0.000	4.500	-
Total Quantity					4.5 Qntl (Quintal)		4.5 Qntl (Quintal)	
Amount		4.5 X 8652.9234393					38938.16	
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ABUTMENT AGL	2.000	5.450	0.000	1.200	0.000	13.080	-
ii	Wing Wall	2.000	1.500	0.000	0.450	0.000	1.350	-

iii		2.000	4.000	0.000	0.450	0.000	3.600	-
Total Quantity					18.03 Sqm (Sqm)		18.03 Sqm (Square Meter)	
Amount					18.03 X 216.23489289764		3898.72	
7. 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	5.450	0.000	2.450	0.000	13.353	-
Total Quantity					13.3525 Sqm (Sqm)		13.3525 Sqm (Square Meter)	
Amount					13.3525 X 662.689943368		8848.57	
8. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Parapet	2.000	2.400	0.400	0.450	0.000	0.864	-
Total Quantity					0.864 cum (cum)		0.864 Cum (Cubic Meter)	
Amount					0.864 X 5103.206926856		4409.17	
9. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								
16mm thick cement Plaster in CM (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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Parapet	2.000	2.400	0.000	0.450	0.000	2.160	-
ii	parapaet top	2.000	2.400	0.000	0.400	0.000	1.920	-
Total Quantity					4.08 Sqm (Sqm)		4.08 Sqm (Square Meter)	
Amount					4.08 X 244.378591414		997.06	
Total Amount							252734.60	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2527.35	
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @							900.00	
Provision for survey investigation and quality control (+) @								
Total Addition							4427.35	
Grand Net Total Amount							257161.95	

SAGAR GOUDA
JE
Bissamcuttack Block

SRI RAMESH CHANDRA SAHU
AEE
Bissamcuttack Block

SRI SIBA PRASAD PATNAIK
BDO
Bissamcuttack Block