

Detailed Estimate

OD/366/3515/275423/427528/00065613 : Construction of CC Culvert at Karlapada to Khaliapani

Block : Jhorigam, Gram Panchayat : Ichhapur

Created By: Sri Kranti Kumar Pattanayak

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	For culvert	1.000	8.000	3.300	0.750	1.000	19.800	-
ii	Abutment wall	2.000	7.500	0.900	0.900	1.000	12.150	-
iii	Cutt-off	2.000	3.000	0.450	0.600	1.000	1.620	-
iv	W.wall	4.000	3.000	0.600	0.600	1.000	4.320	-
v	P/wall	1.000	35.000	0.750	0.750	1.000	19.688	-
vi	Drain/Trench	2.000	146.000	0.750	0.750	1.000	164.250	-
Total Quantity					221.8275 cum (cum)		221.8275 Cum (Cubic Meter)	
Amount					221.8275 X 240.77592		53410.72	
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	P/wall	1.000	35.000	0.750	0.100	1.000	2.625	-
ii	Abut. wall	2.000	7.500	0.750	0.100	1.000	1.125	-
iii	Culvert bed	1.000	7.500	1.200	0.100	1.000	0.900	-
Total Quantity					4.65 cum (cum)		4.65 Cum (Cubic Meter)	

Amount				4.65 X 693.034932			3222.61	
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	Abut. wall	2.000	7.500	0.900	0.150	1.000	2.025	-
ii	Up to bed	2.000	7.500	0.750	0.650	1.000	7.313	-
iii	Ab. bed	2.000	7.500	0.600	0.750	1.000	6.750	-
iv	Culvert bed	1.000	7.500	1.200	0.150	1.000	1.350	-
v	Cutt-off	2.000	3.000	0.450	0.600	1.000	1.620	-
vi	W. wall	4.000	3.000	0.600	0.600	1.000	4.320	-
vii	Ab Gl.	4.000	3.000	0.525	0.600	1.000	3.780	-
viii	P/wall	1.000	35.000	0.750	0.150	1.000	3.938	-
ix	Up to Gl	1.000	35.000	0.600	0.500	1.000	10.500	-
x	Ab. Gl	1.000	35.000	0.525	0.600	1.000	11.025	-
Total Quantity					52.62 cum (cum)		52.62 Cum (Cubic Meter)	
Amount				52.62 X 5438.0287993			286149.08	
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 specifaion and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Culvert bed	1.000	7.500	1.200	0.100	1.000	0.900	-
ii	Abt. wall	2.000	7.500	0.450	0.100	1.000	0.675	-
iii	P/wall	1.000	35.000	0.450	0.030	1.000	0.473	-

Total Quantity			2.0475 cum (cum)			2.0475 Cum (Cubic Meter)		
Amount			2.0475 X 6957.8658711			14246.23		
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	7.500	3.000	0.230	1.000	5.175	-
Total Quantity			5.175 cum (cum)			5.175 Cum (Cubic Meter)		
Amount			5.175 X 5681.392771681			29401.21		
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	Abt. wall	2.000	7.500	0.000	0.750	2.000	22.500	-
ii	W.wall	4.000	3.000	0.000	0.600	2.000	14.400	-
iii	P/wall	1.000	35.000	0.000	0.600	2.000	42.000	-
Total Quantity			78.9 Sqm (Sqm)			78.9 Sqm (Square Meter)		
Amount			78.9 X 216.55039071844			17085.83		
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	7.500	1.200	0.000	1.000	9.000	-
Total Quantity					9 Sqm (Sqm)		9 Sqm (Square Meter)	
Amount					9 X 663.90898015022		5975.18	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	MS rod	1.000	5.175	0.000	0.000	0.950	4.916	-
Total Quantity					4.91625 Qntl (Quintal)		4.91625 Qntl (Quintal)	
Amount					4.91625 X 8430.7391448		41447.62	
Total Amount							450938.47	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4600.00	
Display Citizen Board (+) @							4460.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							9060.00	
Grand Net Total Amount							459998.47	

Sri Kranti Kumar Pattanayak
JE
Jhorigam Block

Bineet Kumar Mishra
AEE
Jhorigam Block

MADHUSUDAN MAJHI
BDO
Jhorigam Block