

Detailed Estimate

OD/354/3367/117648/410351/00064413 : Construction of Culvert from Kotibiradi to Pankala under Kullada GP
Block : Bhanjanagar, Gram Panchayat : Kulada
Created By: PRAFULLA CHANDRA SWAIN

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	overall cutting	32.000	20.000	1.500	0.000	0.000	960.000	-
ii	abutment	2.000	16.000	4.000	4.000	0.000	512.000	-
iii	wingwall	4.000	8.000	4.000	4.000	0.000	512.000	-
iv	bed	24.000	6.000	1.000	0.000	0.000	144.000	-
Total Quantity					2128 Cft (Cubic Foot)		60.2581504 Cum (Cubic Meter)	
Amount					60.2581504 X 240.77592		14508.71	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	abutment	2.000	16.000	4.000	0.500	0.000	64.000	-
ii	wingwall	4.000	8.000	4.000	0.500	0.000	64.000	-
iii	bed	24.000	6.000	0.500	0.000	0.000	72.000	-
Total Quantity					200 Cft (Cubic Foot)		5.66336 Cum (Cubic Meter)	
Amount					5.66336 X 572.087432		3239.94	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	abutment	2.000	16.000	4.000	4.000	0.000	512.000	-
ii	wingwall	4.000	8.000	4.000	4.000	0.000	512.000	-
iii	bed	24.000	6.000	1.000	0.000	0.000	144.000	-
iv	2nd footing	2.000	16.000	2.750	5.000	0.000	440.000	-
v	wingwall	4.000	8.000	2.750	5.000	0.000	440.000	-
Total Quantity						2048 Cft (Cubic Foot)	57.9928064 Cum (Cubic Meter)	
Amount						57.9928064 X 5371.71034292	311520.56	

4. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

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. beams, column, grider and bressmer, etc. Data for 4.2sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	beam	2.000	24.000	2.000	0.750	0.000	72.000	-
ii		2.000	24.000	2.000	0.750	0.000	72.000	-
Total Quantity						144 Sft (Square Foot)	13.378032 Sqm (Square Meter)	
Amount						13.378032 X 1048.4253517895	14025.87	

5. 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	24.000	6.000	0.000	0.000	0.000	144.000	-
Total Quantity					144 Sft (Square Foot)		13.378032 Sqm (Square Meter)	
Amount					13.378032 X 663.90898015022		8881.80	

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	9.340	1.000	0.000	0.000	0.000	9.340	-
Total Quantity					9.34 Qntl (Quintal)		9.34 Qntl (Quintal)	
Amount					9.34 X 8442.3395301		78851.45	

7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	kerb wall	2.000	24.000	1.500	0.750	0.000	54.000	-
ii		2.000	24.000	0.750	0.750	0.000	27.000	-
iii	slab	24.000	9.000	1.000	0.000	0.000	216.000	-
iv	bed wearing coar	22.000	6.000	0.250	0.000	0.000	33.000	-
Total Quantity					330 Cft (Cubic Foot)		9.344544 Cum (Cubic Meter)	
Amount					9.344544 X 6904.35404504		64518.04	

Total Amount	495546.36
Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	4000.00
Display Citizen Board (+) @	453.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	4453.00
Grand Net Total Amount	499999.36

PRAFULLA CHANDRA SWAIN
JE
Bhanjanagar Block

NITYANANDA PATRO
AEE
Bhanjanagar Block

BHARATEE DEVI
BDO
Bhanjanagar Block