

Detailed Estimate

OD/354/3367/117648/410351/00064412 : Construction of Culvert near AWC-5 of 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									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	overburden cutting	22.000	15.000	1.000	0.000	0.000	330.000	-	
ii	abutment	2.000	14.000	3.000	3.500	0.000	294.000	-	
iii	wingwall	4.000	3.000	3.000	3.500	0.000	126.000	-	
iv	bed	20.000	3.000	1.500	0.000	0.000	90.000	-	
Total Quantity					840 Cft (Cubic Foot)		23.786112 Cum (Cubic Meter)		
Amount					23.786112 X 240.77592		5727.12		
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	14.000	3.000	0.500	0.000	42.000	-	
ii	wingwall	4.000	3.000	3.000	0.500	0.000	18.000	-	
iii	bed	20.000	3.000	0.500	0.000	0.000	30.000	-	
Total Quantity					90 Cft (Cubic Foot)		2.548512 Cum (Cubic Meter)		
Amount					2.548512 X 572.087432		1457.97		

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	14.000	3.000	3.500	0.000	294.000	-
ii	wingwall	4.000	3.000	3.000	3.500	0.000	126.000	-
iii	bed	20.000	3.000	1.000	0.000	0.000	60.000	-
iv	2nd footing abutment	2.000	14.000	2.500	3.000	0.000	210.000	-
v	wingwall	4.000	3.000	2.500	3.000	0.000	90.000	-
Total Quantity					780 Cft (Cubic Foot)		22.087104 Cum (Cubic Meter)	
Amount					22.087104 X 5371.71034292		118645.53	

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	beam	2.000	14.000	2.000	0.750	0.000	42.000	-
ii		2.000	14.000	2.000	0.750	0.000	42.000	-
Total Quantity					84 Sft (Square Foot)		7.803852 Sqm (Square Meter)	
Amount					7.803852 X 1048.4253517895		8181.76	

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	20.000	3.000	0.000	0.000	0.000	60.000	-
Total Quantity					60 Sft (Square Foot)		5.57418 Sqm (Square Meter)	
Amount					5.57418 X 663.90898015022		3700.75	
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	4.000	0.000	0.000	0.000	0.000	4.000	-
Total Quantity					4 Qntl (Quintal)		4 Qntl (Quintal)	
Amount					4 X 8442.3395301		33769.36	
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 specifaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	kerb	2.000	14.000	1.500	0.750	0.000	31.500	-
ii		2.000	14.000	0.750	0.750	0.000	15.750	-
iii	slab	20.000	6.000	0.750	0.000	0.000	90.000	-
Total Quantity					137.25 Cft (Cubic Foot)		3.8864808 Cum (Cubic Meter)	
Amount					3.8864808 X 6904.35404504		26833.64	
Total Amount							198316.12	
Addition								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	1000.00
Display Citizen Board (+) @	683.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	1683.00
Grand Net Total Amount	199999.12

PRAFULLA CHANDRA SWAIN
JE
Bhanjanagar Block

NITYANANDA PATRO
AEE
Bhanjanagar Block

BHARATEE DEVI
BDO
Bhanjanagar Block