

Detailed Estimate

OD/363/3467/119718/429271/00067939 : CONST OF CULVERT AT BANUGUDA

Block : Boipariguda, Gram Panchayat : Chandrapada

Created By: Ashish kumar tiriya

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	Road Cutting	1.000	7.500	3.500	0.400	0.000	10.500	-
ii	Aboutment	2.000	6.000	1.200	1.200	0.000	17.280	-
iii	Wing Wall	4.000	2.600	1.000	1.000	0.000	10.400	-
iv	Cut off D/S and U/S	2.000	1.200	0.600	0.700	0.000	1.008	-
v	Vent	1.000	6.000	1.300	0.300	0.000	2.340	-
Total Quantity						41.528 cum (cum)	41.528 Cum (Cubic Meter)	
Amount						41.528 X 240.77592	9998.94	
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	6.000	1.200	0.200	0.000	2.880	-
ii	Wing Wall	4.000	2.600	1.000	0.150	0.000	1.560	-
iii	Vent	1.000	6.000	1.300	0.150	0.000	1.170	-
iv	D/s & U/s Cutoff	2.000	1.200	0.600	0.150	0.000	0.216	-
v	Approach Road	1.000	2.500	5.900	0.150	0.000	2.213	-
vi	Approach Road	1.000	2.500	5.900	0.150	0.000	2.213	-

Total Quantity	10.251 cum (cum)	10.251 Cum (Cubic Meter)
Amount	10.251 X 515.507232	5284.46

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	Aboutment Foundation	2.000	6.000	1.200	0.200	0.000	2.880	-
ii	Aboutment	2.000	6.000	0.800	1.200	0.000	11.520	-
iii	Wing Wall Foundation	4.000	2.600	1.000	0.200	0.000	2.080	-
iv	Wing Wall	4.000	2.600	0.800	0.800	0.000	6.656	-
v	Cutoff Wall D/s & U/s	2.000	1.200	0.600	0.600	0.000	0.864	-
vi	Vent	1.000	6.000	1.300	0.300	0.000	2.340	-
vii	Parapet Wall over Slab	2.000	2.000	0.600	0.600	0.000	1.440	-
viii	Approach Road	1.000	2.500	5.900	0.150	0.000	2.213	-
ix	Approach Road	1.000	2.500	5.900	0.150	0.000	2.213	-
Total Quantity							32.205 cum (cum)	32.205 Cum (Cubic Meter)
Amount							32.205 X 5286.57688944	170254.21

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	6.000	2.500	0.300	0.000	4.500	-
Total Quantity							4.5 cum (cum)	4.5 Cum (Cubic Meter)

Amount						4.5 X 5516.2790147888	24823.26	
5. 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	Top of Wing Wall	4.000	2.600	0.500	0.080	0.000	0.416	-
ii	Vent	1.000	6.000	1.300	0.080	0.000	0.624	-
Total Quantity						1.04 cum (cum)	1.04 Cum (Cubic Meter)	
Amount						1.04 X 6796.99430128	7068.87	
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	Aboutment Base	2.000	2.000	6.000	0.200	0.000	4.800	-
ii	Aboutment Side	2.000	2.000	6.000	1.200	0.000	28.800	-
iii	Wing Wall Base	4.000	2.000	2.600	0.200	0.000	4.160	-
iv	Wing Wall Side	4.000	2.000	2.600	0.800	0.000	16.640	-
Total Quantity						54.4 Sqm (Sqm)	54.4 Sqm (Square Meter)	
Amount						54.4 X 216.55039071844	11780.34	
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	Roof Slab	1.000	6.000	1.300	0.000	0.000	7.800	-

ii		2.000	2.500	0.300	0.000	0.000	1.500	-
iii		2.000	6.000	0.300	0.000	0.000	3.600	-
Total Quantity					12.9 Sqm (Sqm)		12.9 Sqm (Square Meter)	
Amount					12.9 X 663.90898015022		8564.43	

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	Reinforcement	1.000	6.000	0.000	0.000	1.022	6.132	-
Total Quantity					6.132 Qntl (Quintal)		6.132 Qntl (Quintal)	
Amount					6.132 X 8676.8375022		53206.37	

Total Amount (A) : 290980.88

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.4019	-	4019
2	Display Citizen Board @ Rs.5000	-	5000
Additional Components Amount (F) : 9019			

Grand Total Amount (A + F) : 299999.8800678

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