

Detailed Estimate

OD/363/3467/119725/429197/00075699 : CONST OF CULVERT AT SUNDHIGUDA TO GUNDAL ROAD

Block : Boipariguda, Gram Panchayat : Kenduguda

Created By:Umesh

1. Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift								
Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Over burden earth	1.000	6.600	4.800	1.200	0.000	38.016	-
Total Quantity					38.016 cum (cum)		38.016 Cum (Cubic Meter)	
Amount					38.016 X 361.33930892		13736.68	
2. 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	6.600	1.200	1.200	0.000	19.008	-
ii	Wing wall	4.000	1.480	1.200	1.200	0.000	8.525	-
iii	Bed	1.000	6.600	1.500	0.300	0.000	2.970	-
iv	Cut off	2.000	6.600	0.300	1.200	0.000	4.752	-
Total Quantity					35.2548 cum (cum)		35.2548 Cum (Cubic Meter)	
Amount					35.2548 X 240.77592		8488.51	
3. 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	6.600	1.200	0.150	0.000	2.376	-
ii	Wing wall	4.000	1.480	1.200	0.150	0.000	1.066	-
iii	Bed	1.000	6.600	1.500	0.150	0.000	1.485	-
Total Quantity					4.9266 cum (cum)		4.9266 Cum (Cubic Meter)	
Amount					4.9266 X 618.628232		3047.73	

4. 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	6.600	1.200	0.230	0.000	3.643	-
ii		2.000	6.600	0.825	1.820	0.000	19.820	-
iii	Bed	1.000	6.600	1.500	0.230	0.000	2.277	-
iv	Wing wall	4.000	1.480	1.200	0.230	0.000	1.634	-
v		4.000	1.775	0.825	2.070	0.000	12.125	-
vi	Parapet	2.000	2.700	0.300	0.300	0.000	0.486	-
vii	Cut off	2.000	1.500	0.300	1.200	0.000	1.080	-
Total Quantity					41.064945 cum (cum)		41.064945 Cum (Cubic Meter)	
Amount					41.064945 X 5440.30696944		223405.91	

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	6.600	2.700	0.300	0.000	5.346	-
Total Quantity					5.346 cum (cum)		5.346 Cum (Cubic Meter)	
Amount					5.346 X 5660.4009647888		30260.50	
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	16mm and 12mm rod	1.000	0.000	0.000	5.250	0.000	5.250	-
Total Quantity					5.25 Qntl (Quintal)		5.25 Qntl (Quintal)	
Amount					5.25 X 8676.8375022		45553.40	
7. 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	4.000	6.600	0.000	1.820	0.000	48.048	-
ii	Wing wall	8.000	1.775	0.000	2.070	0.000	29.394	-
iii	Parapet	4.000	2.700	0.000	0.300	0.000	3.240	-
Total Quantity					80.682 Sqm (Sqm)		80.682 Sqm (Square Meter)	
Amount					80.682 X 216.23489289764		17446.26	
8. R.C.C. Work (AR0410k) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling upto 8M span								

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. Work in slab for culverts and Bridges upto 8M span)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	6.600	1.500	0.000	0.000	9.900	-
ii		2.000	2.700	0.300	0.000	0.000	1.620	-
Total Quantity					11.52 Sqm (Sqm)		11.52 Sqm (Square Meter)	
Amount					11.52 X 796.1117870816		9171.21	

9. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutment	2.000	6.600	0.000	1.000	0.000	13.200	-
ii	Wing wall	4.000	2.000	0.000	1.300	0.000	10.400	-
iii	Parapet	2.000	2.700	0.000	0.300	0.000	1.620	-
Total Quantity					25.22 Sqm (Sqm)		25.22 Sqm (Square Meter)	
Amount					25.22 X 188.6303693392		4757.26	

10. Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR

Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wing wall	2.000	2.000	6.000	0.600	0.000	14.400	-
ii	road	1.000	42.000	3.000	0.150	0.000	18.900	-
Total Quantity					33.3 cum (cum)		33.3 Cum (Cubic Meter)	

Amount	33.3 X 1088.5624966784	36249.13
Total Amount		392116.58
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		4000.00
Display Citizen Board (+) @		3883.40
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		7883.40
Grand Net Total Amount		399999.98

**Umesh
JE
Boipariguda Block**

**Khiroda chandra Behara
AEE
Boipariguda Block**

**Subrat Kumar Sahu
BDO
Boipariguda Block**