

Detailed Estimate

OD/364/3484/119979/430166/00013436 : Improvement of road from Chidipalli to Mundiguda village
Block : Malkangiri, Gram Panchayat : Tandiki
Created By:Er. TAPAN KUMAR SAMAL

1. Earth Work (AR0122Aia) : Earthwork in all kinds of soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift								
Earthwork in all kinds of soil in foundation and 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 direction of the Engineer-in-charge								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutement	1.000	6.000	2.000	0.900	0.000	10.800	-
ii	Wing Wall	4.000	0.750	0.750	0.900	0.000	2.025	-
Total Quantity					12.825 cum (cum)		12.825 Cum (Cubic Meter)	
Amount					12.825 X 259.413290016		3326.98	
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	Abutement Bed	1.000	6.000	2.000	0.150	0.000	1.800	-
ii	Wing wall bed	4.000	0.750	0.750	0.150	0.000	0.338	-
Total Quantity					2.1375 cum (cum)		2.1375 Cum (Cubic Meter)	
Amount					2.1375 X 514.258872		1099.23	
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	Abutement bed	1.000	6.000	2.000	0.150	0.000	1.800	-
ii	Abutement	2.000	6.000	0.500	0.800	0.000	4.800	-
iii	Wing Wall bed	4.000	0.750	0.750	0.150	0.000	0.338	-

iv	Wing Wall	4.000	0.750	0.500	1.050	0.000	1.575	-
Total Quantity					8.5125 cum (cum)		8.5125 Cum (Cubic Meter)	
Amount					8.5125 X 5509.49271684		46899.56	
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	RCC Slab	1.000	6.000	2.000	0.250	0.000	3.000	-
Total Quantity					3 cum (cum)		3 Cum (Cubic Meter)	
Amount					3 X 6241.9939871044		18725.98	
5. 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	Steel required 0.70 kg per one cum of Concrete	1.000	3.000	0.700	0.000	0.000	2.100	-
Total Quantity					2.1 Qntl (Quintal)		2.1 Qntl (Quintal)	
Amount					2.1 X 8941.853907		18777.89	
6. Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutement Vent	2.000	6.000	0.800	0.000	0.000	9.600	-
ii	Wing Wall	4.000	1.250	1.050	0.000	0.000	5.250	-

iii		4.000	0.500	1.050	0.000	0.000	2.100	-
Total Quantity					16.95 Sqm (Sqm)		16.95 Sqm (Square Meter)	
Amount					16.95 X 161.7192518716		2741.14	
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 specifaiaon and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Drain bed	1.000	6.000	1.000	0.050	0.000	0.300	-
ii	Wing Wall top	4.000	0.750	0.500	0.050	0.000	0.075	-
Total Quantity					0.375 cum (cum)		0.375 Cum (Cubic Meter)	
Amount					0.375 X 7091.67895108		2659.38	
Total Amount							94230.16	
Addition								
Provision for Contingency (+) @							942.30	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							1827.00	
Total Addition							5769.30	
Grand Net Total Amount							99999.46	