

Detailed Estimate

OD/357/3404/118527/381116/00014136 : Const.. Of Culvert on Old Gp Office house to Samlei Bar Road
Block : Jharsuguda, Gram Panchayat : Marakuta
Created By:Fagu Murmu

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	Road	1.000	16.000	15.000	2.000	0.000	480.000	-	
ii	Abutment	2.000	21.000	4.000	4.000	0.000	672.000	-	
iii	Wing wall	4.000	1.500	4.000	4.000	0.000	96.000	-	
iv	Cut off	2.000	3.000	2.000	2.000	0.000	24.000	-	
v	Base	1.000	17.000	3.000	1.000	0.000	51.000	-	
vi	DS & US Apron	2.000	10.000	4.000	0.660	0.000	52.800	-	
Total Quantity					1375.8 Cft (Cubic Foot)		38.95825344 Cum (Cubic Meter)		
Amount					38.95825344 X 240.77592		9380.21		
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	21.000	4.000	0.500	0.000	84.000	-	
ii	Wing wall	4.000	1.500	4.000	0.500	0.000	12.000	-	
iii	Cut off	2.000	3.000	2.000	0.500	0.000	6.000	-	
iv	Base	1.000	17.000	3.000	0.500	0.000	25.500	-	
v	Both Apron	2.000	10.000	4.000	0.330	0.000	26.400	-	

vi	Road	2.000	17.000	20.000	0.330	0.000	224.400	-
Total Quantity					378.3 Cft (Cubic Foot)		10.71224544 Cum (Cubic Meter)	
Amount					10.71224544 X 974.966332		10444.08	

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	21.000	4.000	0.500	0.000	84.000	-
ii	Abutment	2.000	21.000	1.250	5.000	0.000	262.500	-
iii	Wing wall	4.000	1.500	4.000	0.500	0.000	12.000	-
iv	Wing wall	4.000	2.330	1.250	5.000	0.000	58.250	-
v	Cut off	2.000	3.000	2.000	0.600	0.000	7.200	-
vi	Apron	2.000	10.000	4.000	0.330	0.000	26.400	-
vii	Parapet	2.000	13.330	1.500	1.500	0.000	59.985	-
viii	Road	2.000	17.000	20.000	0.330	0.000	224.400	-
Total Quantity					734.735 Cft (Cubic Foot)		20.805344048 Cum (Cubic Meter)	
Amount					20.805344048 X 6053.741838		125950.18	

4. Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	21.000	3.000	0.330	0.000	20.790	-
ii	Apron	2.000	10.000	4.000	0.330	0.000	26.400	-
iii	Road	2.000	17.000	20.000	0.330	0.000	224.400	-

iv	Slab	1.000	21.000	6.000	0.830	0.000	104.580	-
Total Quantity					376.17 Cft (Cubic Foot)		10.651930656 Cum (Cubic Meter)	
Amount					10.651930656 X 7268.857183		77427.36	
5. 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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutment	4.000	21.000	5.000	0.000	0.000	420.000	-
ii	Wing wall	8.000	3.500	5.000	0.000	0.000	140.000	-
iii	Parapet	4.000	14.330	1.500	0.000	0.000	85.980	-
iv	Road	2.000	20.000	0.330	0.000	0.000	13.200	-
Total Quantity					659.18 Sft (Square Foot)		61.23979954 Sqm (Square Meter)	
Amount					61.23979954 X 216.39264180804		13251.84	
6. 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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	21.000	3.000	0.000	0.000	63.000	-
ii	Side	2.000	6.000	0.830	0.000	0.000	9.960	-
iii	Side	2.000	21.000	0.830	0.000	0.000	34.860	-
Total Quantity					107.82 Sft (Square Foot)		10.01680146 Sqm (Square Meter)	
Amount					10.01680146 X 663.29946175911		6644.14	
7. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutmet	2.000	21.000	3.000	0.000	0.000	126.000	-
ii	Wing wall	4.000	4.660	5.000	0.000	0.000	93.200	-
iii	Parapet	4.000	14.330	1.500	0.000	0.000	85.980	-
iv	Parapet	4.000	1.500	1.500	0.000	0.000	9.000	-
Total Quantity					314.18 Sft (Square Foot)		29.18826454 Sqm (Square Meter)	
Amount					29.18826454 X 250.4763236		7310.97	

8. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road surface	200.000	11.000	0.330	0.000	0.000	726.000	-
Total Quantity					726 Cft (Cubic Foot)		20.5579968 Cum (Cubic Meter)	
Amount					20.5579968 X 1100.9604486784		22633.54	

9. 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	MS rod	1.000	2.120	0.000	0.000	0.000	2.120	-
Total Quantity					2.12 Qntl (Quintal)		2.12 Qntl (Quintal)	
Amount					2.12 X 8837.0803248		18734.61	
Total Amount							291776.93	

Addition	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	222.80
Total Addition	8222.80
Grand Net Total Amount	299999.73