

Detailed Estimate

OD/365/3490/120105/389222/00014209 : CONSTRUCTION OF BRIDGE/ CULVERT NEAR DURGA MURMU HOUSE AT KHETRAPATNA ON DURGA MURMU ROAD AT KHETRAPATNA

Block : Baripada, Panchayat : Laxmiposi

Created By: BHIM CHARAN TUDU

1. Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil 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	drain bed	1.000	25.000	1.050	0.600	0.000	15.750	-
ii	culvert bed	1.000	5.000	1.000	1.000	0.000	5.000	-
iii	wing wall	3.000	1.200	0.450	0.600	0.000	0.972	-
Total Quantity					21.722 cum (cum)		21.722 Cum (Cubic Meter)	
Amount					21.722 X 196.3036		4264.11	
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	drain bed	1.000	25.000	1.050	0.150	0.000	3.938	-
ii	culvert bed	1.000	5.000	1.000	0.150	0.000	0.750	-
iii	wing wall	3.000	1.200	0.450	0.150	0.000	0.243	-
Total Quantity					4.9305 cum (cum)		4.9305 Cum (Cubic Meter)	
Amount					4.9305 X 1201.755772		5925.26	
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, rammimg, 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	drain bed	1.000	25.000	1.050	0.100	0.000	2.625	-

ii	culvert bed	1.000	5.000	1.000	0.150	0.000	0.750	-	
iii	wing wall	3.000	1.200	0.450	0.450	0.000	0.729	-	
iv	wing wall top	3.000	1.200	0.250	0.450	0.000	0.405	-	
Total Quantity					4.509 cum (cum)		4.509 Cum (Cubic Meter)		
Amount					4.509 X 5857.47850872		26411.37		

4. R.C.C. Work (AR0404Aa) : 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. (including centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	drain bed	1.000	25.000	1.050	0.150	0.000	3.938	-	
ii	side wall	1.000	25.000	0.225	0.700	0.000	3.938	-	
iii	side wall	1.000	25.000	0.150	0.700	0.000	2.625	-	
Total Quantity					10.5 cum (cum)		10.5 Cum (Cubic Meter)		
Amount					10.5 X 6247.9017514265		65602.97		

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	ms rod	1.000	10.500	0.450	0.000	0.000	4.725	-	
Total Quantity					4.725 Qntl (Quintal)		4.725 Qntl (Quintal)		
Amount					4.725 X 7903.0956114		37342.13		
Total Amount							139545.83		
Addition									
Provision for Contingency (+) @							1395.46		

Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	11531.50
Total Addition	15926.96
Grand Net Total Amount	155472.79