

Detailed Estimate

OD/345/3285/115777/420277/00014433 : IMPROVEMENT OF ROAD FROM PRATAPRUDRAPUR FOREST ROAD TO PUMP HOUSE

Block : Balangir, Gram Panchayat : Baidipali

Created By:Rasmita Mohanty

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	Abutment	2.000	24.000	4.000	4.000	0.000	768.000	-	
ii	Wingwall	4.000	14.500	3.000	3.000	0.000	522.000	-	
iii	Cutoff	2.000	6.000	1.000	1.000	0.000	12.000	-	
iv	Nallah bed	1.000	24.000	6.000	1.000	0.000	144.000	-	
Total Quantity					1446 Cft (Cubic Foot)		40.9460928 Cum (Cubic Meter)		
Amount					40.9460928 X 240.77592		9858.83		
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	24.000	4.000	0.500	0.000	96.000	-	
ii	Wingwall	4.000	14.500	3.000	0.500	0.000	87.000	-	
iii	Nallah bed	1.000	24.000	6.000	0.500	0.000	72.000	-	
Total Quantity					255 Cft (Cubic Foot)		7.220784 Cum (Cubic Meter)		
Amount					7.220784 X 686.399232		4956.34		
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	24.000	3.500	1.000	0.000	168.000	-
ii	Wingwall	4.000	14.500	3.000	1.500	0.000	261.000	-
iii	Abutment	2.000	24.000	3.000	2.000	0.000	288.000	-
iv	Abutment	2.000	24.000	1.500	4.000	0.000	288.000	-
v	Wingwall	4.000	14.500	2.500	1.500	0.000	217.500	-
vi	Wingwall	4.000	14.500	1.750	3.000	0.000	304.500	-
vii	Cutoff	2.000	6.000	1.000	1.000	0.000	12.000	-
viii	Nallah bed	1.000	24.000	6.000	0.250	0.000	36.000	-
ix	Parapet	2.000	10.000	1.000	1.000	0.000	20.000	-
Total Quantity					1595 Cft (Cubic Foot)		45.165296 Cum (Cubic Meter)	
Amount					45.165296 X 5442.49092476		245811.71	

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	Roof slab	1.000	24.000	10.000	0.750	0.000	180.000	-
ii	pier cap	2.000	24.000	2.000	0.500	0.000	48.000	-
iii	Nallah bed	1.000	24.000	6.000	0.220	0.000	31.680	-
Total Quantity					259.68 Cft (Cubic Foot)		7.353306624 Cum (Cubic Meter)	
Amount					7.353306624 X 5715.6925579452		42029.24	

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	M.S Rod	0.000	6.250	0.000	0.000	0.000	6.250	-
Total Quantity					6.25 Qntl (Quintal)		6.25 Qntl (Quintal)	
Amount					6.25 X 8907.7722044		55673.58	

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Mass Concrete	2.000	24.000	2.000	7.000	0.000	672.000	-
Total Quantity					672 Sft (Square Foot)		62.430816 Sqm (Square Meter)	
Amount					62.430816 X 216.23489289764		13499.72	

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof slab	1.000	24.000	10.000	0.000	0.000	240.000	-
Total Quantity					240 Sft (Square Foot)		22.29672 Sqm (Square Meter)	
Amount					22.29672 X 662.689943368		14775.81	
Total Amount							386605.24	

Addition

Provision for PH Work (+) @

Provision for EI Work (+) @

Provision for Contingency (+) @	4000.00
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	4894.00
Provision for survey investigation and quality control (+) @	1500.00
Total Addition	13394.00
Grand Net Total Amount	399999.24