

Detailed Estimate

**OD/361/3452/119456/385949/00068170 : RENOVATION AND DEVELOPMENT OF AMRIT SAROVAR PROJECT AT
DHOBA POKHARI**

Block : Kendujhar Sadar, Gram Panchayat : Kandaraposi

Created By:Ranjan Kumar Swain

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	bottom cutoff	2.000	14.000	2.000	2.500	0.000	140.000	-
ii	Side cutoff	4.000	33.000	2.000	2.000	0.000	528.000	-
iii	Top cut off	2.000	12.000	1.500	1.500	0.000	54.000	-
iv	Middle cutoff	2.000	12.000	1.500	1.500	0.000	54.000	-
Total Quantity					776 Cft (Cubic Foot)		21.9738368 Cum (Cubic Meter)	
Amount					21.9738368 X 240.77592		5290.77	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	bottom cutoff	2.000	14.000	2.000	0.330	0.000	18.480	-
ii	Side cutoff	4.000	33.000	2.000	0.330	0.000	87.120	-
iii	Top cut off	2.000	12.000	1.500	0.330	0.000	11.880	-
iv	Middle cutoff	2.000	12.000	1.500	0.330	0.000	11.880	-
v	inside Area	2.000	30.000	10.000	0.330	0.000	198.000	-
Total Quantity					327.36 Cft (Cubic Foot)		9.269787648 Cum (Cubic Meter)	

Amount						9.269787648 X 1146.009832	10623.27	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	bottom cutoff	2.000	14.000	2.000	2.660	0.000	148.960	-
ii	Side cutoff	4.000	33.000	2.000	2.160	0.000	570.240	-
iii	Top cut off	2.000	12.000	1.500	1.660	0.000	59.760	-
iv	Middle cutoff	2.000	12.000	1.500	1.660	0.000	59.760	-
v	inside Area	2.000	30.000	10.000	0.330	0.000	198.000	-
vi	Steps	12.000	14.000	2.500	0.580	0.000	243.600	-
Total Quantity					1280.32 Cft (Cubic Foot)		36.254565376 Cum (Cubic Meter)	
Amount					36.254565376 X 6195.67116082		224621.37	
4. 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 specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Steps	12.000	10.000	2.500	0.160	0.000	48.000	-
Total Quantity					48 Cft (Cubic Foot)		1.3592064 Cum (Cubic Meter)	
Amount					1.3592064 X 7635.12846534		10377.72	
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								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	bottom cutoff	2.000	14.000	0.000	2.660	0.000	74.480	-
ii	Side cutoff	4.000	33.000	0.000	2.160	0.000	285.120	-
iii	Top cut off	2.000	12.000	0.000	1.660	0.000	39.840	-
iv	Steps	12.000	14.000	0.000	0.500	0.000	84.000	-
Total Quantity					483.44 Sft (Square Foot)		44.91302632 Sqm (Square Meter)	
Amount					44.91302632 X 216.23489289764		9711.76	

6. 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	Side cutoff	4.000	33.000	0.000	4.000	0.000	528.000	-
ii	Top cut off	2.000	12.000	0.000	3.000	0.000	72.000	-
iii	Steps	1.000	48.000	0.000	12.000	0.000	576.000	-
Total Quantity					1176 Sft (Square Foot)		109.253928 Sqm (Square Meter)	
Amount					109.253928 X 192.9771566776		21083.51	

7. Special items for irrigation works (AR0216) : Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation.

Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Side cutoff	1.000	50.000	40.000	0.330	0.000	660.000	-
Total Quantity					660 cum (cum)		660 Cum (Cubic Meter)	
Amount					660 X 67.165		44328.90	

Total Amount (A) : 326037.29

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.3107.7	-	3107.7
2	Provision for Contingency @ Rs.3324	-	3324

Additional Components Amount (F) : 6431.7

Grand Total Amount (A + F) : 332468.99499698

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