

Detailed Estimate

OD/361/3452/119464/385988/00067355 : RENOVATION AND BATHING GHAT OF TARATAKHAMAN BANDHA
Block : Kendujhar Sadar, Gram Panchayat : Nuagaon
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	2 no.s Bathing Ghat Bottom cutoff	2.000	16.000	2.000	2.500	0.000	160.000	-
ii	Side cutoff	4.000	33.000	2.000	2.000	0.000	528.000	-
iii	Top cut off	2.000	14.000	1.500	1.500	0.000	63.000	-
iv	Middle cutoff	2.000	14.000	1.500	1.500	0.000	63.000	-
Total Quantity					814 Cft (Cubic Foot)		23.0498752 Cum (Cubic Meter)	
Amount					23.0498752 X 240.77592		5549.85	
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	2 no.s Bathing Ghat Bottom cutoff	2.000	16.000	2.000	0.250	0.000	16.000	-
ii	Side cutoff	4.000	33.000	2.000	0.250	0.000	66.000	-
iii	Top cut off	2.000	14.000	1.500	0.250	0.000	10.500	-
iv	Middle cutoff	2.000	14.000	1.500	0.250	0.000	10.500	-

Total Quantity	103 Cft (Cubic Foot)	2.9166304 Cum (Cubic Meter)
Amount	2.9166304 X 1053.089832	3071.47

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	2 no.s Bathing Ghat Bottom cutoff	2.000	16.000	2.000	2.660	0.000	170.240	-
ii	Side cutoff	4.000	33.000	2.000	2.160	0.000	570.240	-
iii	Top cut off	2.000	14.000	1.500	1.660	0.000	69.720	-
iv	Middle cutoff	2.000	14.000	1.500	1.660	0.000	69.720	-
v	Steps	12.000	12.000	3.000	0.660	0.000	285.120	-
Total Quantity					1165.04 Cft (Cubic Foot)		32.990204672 Cum (Cubic Meter)	
Amount					32.990204672 X 6052.32802182		199667.54	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Steps	12.000	12.000	3.000	0.160	0.000	69.120	-
Total Quantity					69.12 Cft (Cubic Foot)		1.957257216 Cum (Cubic Meter)	
Amount					1.957257216 X 7513.75141234		14706.34	

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	Side cutoff	4.000	40.000	0.000	2.000	0.000	320.000	-
ii	Top cut off	2.000	14.000	0.000	1.500	0.000	42.000	-
iii	Middle cutoff	2.000	14.000	0.000	1.000	0.000	28.000	-
iv	Steps	12.000	14.000	0.000	0.500	0.000	84.000	-
Total Quantity					474 Sft (Square Foot)		44.036022 Sqm (Square Meter)	
Amount					44.036022 X 216.23489289764		9522.12	

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 192.7269877576		21056.18	

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		1.000	50.000	40.000	0.300	0.000	600.000	-
Total Quantity					600 cum (cum)		600 Cum (Cubic Meter)	
Amount					600 X 67.165		40299.00	
Total Amount							293872.52	
Addition								
Display Citizen Board (+) @							3127.48	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Provision for Contingency (+) @							3000.00	
Total Addition							6127.48	
Grand Net Total Amount							300000.00	

Ranjan Kumar Swain
JE
Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
BDO
Kendujhar Sadar Block