

## Detailed Estimate

**OD/370/3550/121145/426759/00073634 : CONSTRUCTION OF CC DRAIN, CULVERT AT SAIBABA MANDIRA TO NADIGHAT**

**Block : Gunupur, Gram Panchayat : Chalakamba**

**Created By: HIMANSU BHUSAN RATH**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	6.500	0.900	0.900	0.000	10.530	-
ii	cutoff D/s	1.000	0.900	0.400	0.900	0.000	0.324	-
iii	bed	1.000	6.100	0.900	0.200	0.000	1.098	-
iv	Drain	1.000	24.000	0.900	0.750	0.000	16.200	-
Total Quantity					28.152 cum (cum)		28.152 Cum (Cubic Meter)	
Amount					28.152 X 240.77592		6778.32	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	6.500	0.900	0.120	0.000	1.404	-
ii	bed	1.000	6.500	0.900	0.100	0.000	0.585	-
iii	Drain	1.000	24.000	0.900	0.100	0.000	2.160	-
Total Quantity					4.149 cum (cum)		4.149 Cum (Cubic Meter)	
Amount					4.149 X 530.657232		2201.70	

**3. 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	Abutment	4.000	6.500	0.000	0.750	0.000	19.500	-
ii	Pier cape	4.000	6.500	0.000	0.230	0.000	5.980	-
iii		4.000	0.450	0.000	0.230	0.000	0.414	-
iv	Drain wall	4.000	24.000	0.000	0.430	0.000	41.280	-
Total Quantity					67.174 Sqm (Sqm)		67.174 Sqm (Square Meter)	
Amount					67.174 X 216.23489289764		14525.36	

**4. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	6.500	0.900	0.000	0.000	0.000	5.850	-
ii		2.000	6.500	0.000	0.230	0.000	2.990	-
iii		2.000	1.800	0.000	0.230	0.000	0.828	-
Total Quantity					9.668 Sqm (Sqm)		9.668 Sqm (Square Meter)	
Amount					9.668 X 662.689943368		6406.89	

**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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Qty same as m20 excluding Drain	0.000	0.000	0.000	0.000	4.030	4.030	-
ii	Drain	0.250	0.000	0.000	0.000	3.860	0.965	-
Total Quantity					4.995 Qntl (Quintal)		4.995 Qntl (Quintal)	
Amount					4.995 X 8646.6187668		43189.86	

**6. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal**

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	Bed abutment	2.000	6.500	0.900	0.300	0.000	3.510	-
ii	bgl to agl	2.000	6.500	0.663	1.230	0.000	10.593	-
iii	cutoff wall D/s	1.000	0.900	0.400	0.800	0.000	0.288	-
iv	bed	1.000	6.500	0.900	0.100	0.000	0.585	-
v	Approach	2.000	6.000	5.000	0.100	0.000	6.000	-
vi	Approach	2.000	6.000	5.000	0.100	0.000	6.000	-
vii	Drain wall	1.000	10.000	0.350	0.450	0.000	1.575	-
viii	Drain	1.000	24.000	0.900	0.120	0.000	2.592	-
Total Quantity					31.143375 cum (cum)		31.143375 Cum (Cubic Meter)	
Amount					31.143375 X 5023.95067792		156462.78	

**7. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pier Cape	2.000	6.500	0.450	0.230	0.000	1.346	-
ii	Slab	1.000	6.500	1.800	0.230	0.000	2.691	-
iii	Drain Bed	1.000	24.000	0.900	0.100	0.000	2.160	-
iv	Drain wall	2.000	24.000	0.120	0.430	0.000	2.477	-
Total Quantity					8.6733 cum (cum)		8.6733 Cum (Cubic Meter)	
Amount					8.6733 X 5488.3663567984		47602.25	

**8. 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 specifaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Bed	1.000	6.500	0.900	0.050	0.000	0.293	-
ii	Approach	4.000	6.000	5.000	0.060	0.000	7.200	-
iii	Drain wall	1.000	10.000	0.350	0.050	0.000	0.175	-
Total Quantity					7.6675 cum (cum)		7.6675 Cum (Cubic Meter)	
Amount					7.6675 X 6763.70225304		51860.69	
Total Amount							329027.85	
<b>Addition</b>								
Provision for Contingency (+) @							3384.00	
Display Citizen Board (+) @							5000.00	

Any Other Lumpsum (+) @	953.00
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>9337.00</b>
<b>Grand Net Total Amount</b>	<b>338364.85</b>

**HIMANSU BHUSAN RATH**  
JE  
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**HARI KRISHNA PANDA**  
AEE  
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**SRI SWASTIK JAMADAR**  
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