

Detailed Estimate

OD/362/3458/119571/408248/00102426 : Construction of culvert at Mangalpur
Block : Banapur, Gram Panchayat : Kumarangasana
Created By: PRASANTA KUMAR SAHOO

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	Foundation	1.000	3.350	1.800	1.200	0.000	7.236	-
ii	D/S Cut Off	1.000	1.800	0.300	1.200	0.000	0.648	-
iii	U/S Cut Off	1.000	1.800	0.300	0.600	0.000	0.324	-
iv	Wing wall	4.000	5.000	0.450	0.600	0.000	5.400	-
v	Over Borden portion	1.000	3.350	1.800	1.200	0.000	7.236	-
Total Quantity					20.844 cum (cum)		20.844 Cum (Cubic Meter)	
Amount					20.844 X 240.77592		5018.73	
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	Base	1.000	3.350	1.800	0.150	0.000	0.905	-
ii	D/S Cut Off	1.000	1.800	0.300	0.150	0.000	0.081	-
iii	U/S Cut Off	1.000	1.800	0.300	0.150	0.000	0.081	-
iv	Wing Wall	4.000	5.000	0.450	0.100	0.000	0.900	-
Total Quantity					1.9665 cum (cum)		1.9665 Cum (Cubic Meter)	
Amount					1.9665 X 1560.907732		3069.53	

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	Base	1.000	3.350	1.800	0.150	0.000	0.905	-
ii	D/S Cut Off	1.000	1.800	0.300	1.350	0.000	0.729	-
iii	U/S Cut Off	1.000	1.800	0.300	0.450	0.000	0.243	-
iv	Approach road	2.000	11.000	3.350	0.100	0.000	7.370	-
v	Wing Wall	4.000	5.000	0.300	0.900	0.000	5.400	-
vi	Parapet	2.000	1.500	0.300	0.600	0.000	0.540	-
Total Quantity					15.1865 cum (cum)		15.1865 Cum (Cubic Meter)	
Amount					15.1865 X 6432.6588415		97689.57	

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	Base	1.000	3.350	1.500	0.450	0.000	2.261	-
ii	Wall	2.000	3.350	0.300	1.500	0.000	3.015	-
iii	Slab	1.000	3.350	1.500	0.300	0.000	1.508	-
Total Quantity					6.78375 cum (cum)		6.78375 Cum (Cubic Meter)	
Amount					6.78375 X 6564.368264695		44531.03	

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	Base	2.000	3.350	0.450	0.000	0.000	3.015	-
ii	Side	2.000	1.800	0.450	0.000	0.000	1.620	-
iii	Wing wall	4.000	2.000	5.000	0.900	0.000	36.000	-
Total Quantity					40.635 Sqm (Sqm)		40.635 Sqm (Square Meter)	
Amount					40.635 X 216.23489289764		8786.70	

6. R.C.C. Work (AR0410f) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

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 in ground floor R.C.C. walls and fins including attached pilasters

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	4.000	3.350	1.500	0.000	0.000	20.100	-
ii	Side	4.000	0.300	1.500	0.000	0.000	1.800	-
Total Quantity					21.9 Sqm (Sqm)		21.9 Sqm (Square Meter)	
Amount					21.9 X 934.29150984209		20460.98	

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	3.350	1.500	0.000	0.000	5.025	-
ii	Side	2.000	3.350	0.300	0.000	0.000	2.010	-
iii	Side	2.000	1.500	0.300	0.000	0.000	0.900	-
Total Quantity					7.935 Sqm (Sqm)		7.935 Sqm (Square Meter)	
Amount					7.935 X 662.689943368		5258.44	

8. 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	HYSD Bar	1.000	5.900	0.000	0.000	0.000	5.900	-
Total Quantity					5.9 Qntl (Quintal)		5.9 Qntl (Quintal)	
Amount					5.9 X 8656.9325535		51075.90	

9. 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	Approach road	2.000	11.000	3.350	0.100	0.000	7.370	-
Total Quantity					7.37 cum (cum)		7.37 Cum (Cubic Meter)	
Amount					7.37 X 7834.4199645		57739.68	

Total Amount (A) : 293630.58

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.3000	-	3000
2	Display Citizen Board @ Rs.3000	-	3000
3	Any Other Lumpsum @ Rs.368	thermocool	368

Additional Components Amount (F) : 6368

Grand Total Amount (A + F) : 299998.5758866

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