

Detailed Estimate

OD/370/3555/121236/427075/00075488 : Construction of Culvert at Baliguda, Tembaguda
Block : Padmapur, Gram Panchayat : Tembaguda
Created By: ANSUMALI 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	Road Levelling	1.000	6.100	3.400	0.450	0.000	9.333	-
ii	Abutment	2.000	6.100	1.200	1.200	0.000	17.568	-
iii	Bed Cut off	2.000	1.000	0.450	0.600	0.000	0.540	-
iv	Wing Wall	4.000	4.000	1.000	1.000	0.000	16.000	-
v	Approach Road	1.000	40.000	5.000	0.600	0.000	120.000	-
Total Quantity					163.441 cum (cum)		163.441 Cum (Cubic Meter)	
Amount					163.441 X 240.77592		39352.66	
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	Abutment	2.000	6.100	1.200	0.100	0.000	1.464	-
ii	Bed Cut off	2.000	1.000	0.450	0.100	0.000	0.090	-
iii	Bed	1.000	5.200	1.000	0.100	0.000	0.520	-
iv	Wing Wall	4.000	4.000	1.000	0.100	0.000	1.600	-

Total Quantity		3.674 cum (cum)		3.674 Cum (Cubic Meter)				
Amount		3.674 X 815.921632		2997.70				
3. 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	Abutment	2.000	6.100	1.200	1.100	0.000	16.104	-
ii	AGL	2.000	6.100	0.825	0.700	0.000	7.046	-
iii	Bed Cut off	2.000	1.000	0.450	0.500	0.000	0.450	-
iv	Bed	1.000	5.200	1.000	0.125	0.000	0.650	-
v	Wing Wall	4.000	4.000	1.000	0.900	0.000	14.400	-
vi	AGL	4.000	4.250	0.725	0.700	0.000	8.628	-
Total Quantity		47.277 cum (cum)		47.277 Cum (Cubic Meter)				
Amount		47.277 X 5270.43640062		249170.42				
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	Bed	1.000	6.100	1.000	0.075	0.000	0.458	-
ii	Wing Wall	4.000	4.250	0.450	0.050	0.000	0.383	-
iii	Parapet	2.000	2.000	0.300	0.450	0.000	0.540	-
Total Quantity		1.38 cum (cum)		1.38 Cum (Cubic Meter)				
Amount		1.38 X 7478.98555594		10321.00				

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	Pier Cap and Slab	1.000	5.000	1.000	1.000	0.000	5.000	-
Total Quantity					5 Qntl (Quintal)		5 Qntl (Quintal)	
Amount					5 X 8655.4453083		43277.23	

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	4.000	6.100	0.700	0.000	0.000	17.080	-
ii	Wing Wall	8.000	4.250	0.000	0.700	0.000	23.800	-
iii	Parapet	4.000	2.000	0.450	0.000	0.000	3.600	-
iv	Parapet	4.000	0.000	0.300	0.450	0.000	0.540	-
v	Pier Cap	4.000	6.100	0.000	0.150	0.000	3.660	-
vi	Pier Cap	4.000	0.500	0.000	0.150	0.000	0.300	-
Total Quantity					48.98 Sqm (Sqm)		48.98 Sqm (Square Meter)	
Amount					48.98 X 216.6134902826		10609.73	

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	Slab	1.000	6.100	1.000	0.000	0.000	6.100	-
ii	Slab	2.000	6.100	0.000	0.300	0.000	3.660	-
iii	Slab	2.000	0.000	2.000	0.300	0.000	1.200	-
Total Quantity					10.96 Sqm (Sqm)		10.96 Sqm (Square Meter)	
Amount					10.96 X 664.15278750667		7279.11	
8. 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	Pier Cap	2.000	6.100	0.500	0.150	0.000	0.915	-
ii	Slab	1.000	6.100	2.000	0.300	0.000	3.660	-
Total Quantity					4.575 cum (cum)		4.575 Cum (Cubic Meter)	
Amount					4.575 X 6205.6948954574		28391.05	
Total Amount							391398.90	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4000.00	
Display Citizen Board (+) @							4601.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								

Total Addition	8601.00
Grand Net Total Amount	399999.90

ANSUMALI SAHOO
JE
Padmapur Block

SIMANCHAL DASH
AEE
Padmapur Block

KURESH CHANDRA JANI
BDO
Padmapur Block