

Detailed Estimate

OD/370/3555/121226/427023/00073748 : Construction of Culvert near Gurjia,Radhuguda
Block : Padmapur, Gram Panchayat : Gudiabandha
Created By: ISMAIL SABAR

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Bed levelling	1.000	6.000	3.000	0.450	0.000	8.100	-
ii	Abuttment	2.000	6.000	0.900	0.900	0.000	9.720	-
iii	Cutoff U/S	1.000	0.900	0.600	0.900	0.000	0.486	-
iv	Cutoff D/S	1.000	0.900	0.600	1.200	0.000	0.648	-
v	W/wall	4.000	3.000	0.900	0.900	0.000	9.720	-
vi	Approch	2.000	3.000	4.200	0.300	0.000	7.560	-
vii	Approach cutoff	2.000	4.200	0.300	0.300	0.000	0.756	-
Total Quantity					36.99 cum (cum)		36.99 Cum (Cubic Meter)	
Amount					36.99 X 240.77592		8906.30	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Cutoff	2.000	0.900	0.600	0.100	0.000	0.108	-
ii	Abuttment	2.000	6.000	0.900	0.100	0.000	1.080	-
iii	W/wall	4.000	4.000	0.900	0.100	0.000	1.440	-

iv	Approach cutoff	2.000	4.200	0.300	0.100	0.000	0.252	-	
v	Approach	2.000	2.300	4.200	0.100	0.000	1.932	-	
vi	Culvert bed	1.000	4.800	0.900	0.100	0.000	0.432	-	
Total Quantity					5.244 cum (cum)		5.244 Cum (Cubic Meter)		
Amount					5.244 X 723.870232		3795.98		

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	U/S Cutoff	1.000	0.900	0.600	0.800	0.000	0.432	-	
ii	D/S cutoff	1.000	0.900	0.600	1.100	0.000	0.594	-	
iii	Abuttment bed	2.000	6.000	0.900	0.300	0.000	3.240	-	
iv	Footing	2.000	6.000	0.600	1.700	0.000	12.240	-	
v	W/wall bed	4.000	3.000	0.900	0.300	0.000	3.240	-	
vi	Footing	4.000	3.000	0.600	1.700	0.000	12.240	-	
vii	Bed	1.000	4.800	0.900	0.150	0.000	0.648	-	
viii	Approach cutoff	2.000	4.200	0.300	0.300	0.000	0.756	-	
ix	Approach	2.000	2.700	4.200	0.100	0.000	2.268	-	
Total Quantity					35.658 cum (cum)		35.658 Cum (Cubic Meter)		
Amount					35.658 X 5041.76096742		179779.11		

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 specifaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Culvert bed	1.000	6.000	0.900	0.080	0.000	0.432	-
ii	Abuttment	2.000	6.000	0.450	0.050	0.000	0.270	-
iii	W/wall	4.000	3.450	0.450	0.050	0.000	0.311	-
iv	Approach	2.000	3.000	6.000	0.080	0.000	2.880	-
Total Quantity					3.8925 cum (cum)		3.8925 Cum (Cubic Meter)	
Amount					3.8925 X 7307.38792954		28444.01	

5. 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	Culvert slab	1.000	6.000	1.800	0.250	0.000	2.700	-
Total Quantity					2.7 cum (cum)		2.7 Cum (Cubic Meter)	
Amount					2.7 X 6030.5911506134		16282.60	

6. 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	Slab	1.000	6.000	1.800	0.250	1.050	2.835	-
Total Quantity					2.835 Qntl (Quintal)		2.835 Qntl (Quintal)	

Amount					2.835 X 8412.1356417	23848.40		
7. 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	Abuttment	4.000	6.000	1.000	1.700	0.000	40.800	-
ii	W/wall	8.000	3.000	1.000	1.700	0.000	40.800	-
iii	Approach cutoff	4.000	4.200	1.000	0.200	0.000	3.360	-
Total Quantity					84.96 Sqm (Sqm)		84.96 Sqm (Square Meter)	
Amount					84.96 X 216.23489289764		18371.32	
8. 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	6.000	0.900	0.000	0.000	5.400	-
ii		2.000	6.000	0.250	0.000	0.000	3.000	-
iii		2.000	1.800	2.500	0.000	0.000	9.000	-
Total Quantity					17.4 Sqm (Sqm)		17.4 Sqm (Square Meter)	
Amount					17.4 X 662.689943368		11530.81	
Total Amount							290958.52	
Addition								
Provision for PH Work (+) @								

Provision for EI Work (+) @	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	1041.00
Provision for survey investigation and quality control (+) @	
Total Addition	9041.00
Grand Net Total Amount	299999.52

ISMAIL SABAR
JE
Padmapur Block

SIMANCHAL DASH
AEE
Padmapur Block

KURESH CHANDRA JANI
BDO
Padmapur Block