

Detailed Estimate

OD/370/3553/121205/426415/00063488 : Construction of New Culvert from jhiliguda village to Hiruduwa road
Block : Kolnara, Gram Panchayat : Rekhapadar
Created By:GOURISHYAM NAIK

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	Levelling	1.000	6.100	3.500	0.150	0.000	3.203	-
ii	Bed	1.000	5.900	3.300	0.900	0.000	17.523	-
iii	wing wall	4.000	3.050	0.600	0.600	0.000	4.392	-
Total Quantity					25.1175 cum (cum)		25.1175 Cum (Cubic Meter)	
Amount					25.1175 X 240.77592		6047.69	
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	Bed	1.000	5.900	3.300	0.100	0.000	1.947	-
ii	wing wall	4.000	3.050	0.600	0.100	0.000	0.732	-
Total Quantity					2.679 cum (cum)		2.679 Cum (Cubic Meter)	
Amount					2.679 X 760.129232		2036.39	
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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Bed	1.000	5.900	3.300	0.250	0.000	4.868	-
ii	Aboutment	2.000	5.900	0.675	1.200	0.000	9.558	-
iii	wing wall	4.000	3.050	0.450	1.200	0.000	6.588	-
iv	parapet	2.000	2.400	0.300	0.450	0.000	0.648	-
Total Quantity					21.6615 cum (cum)		21.6615 Cum (Cubic Meter)	
Amount					21.6615 X 5188.67065074		112394.39	
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	Culvert Bed	1.000	5.900	1.500	0.100	0.000	0.885	-
Total Quantity					0.885 cum (cum)		0.885 Cum (Cubic Meter)	
Amount					0.885 X 6690.28185238		5920.90	
5. R.C.C. Work (AR0401) : R.C.C work								
'Reinforced cement concrete (1:2:4) work with 12mm 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. (To be used for minor repair work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	5.900	2.400	0.250	0.000	0.000	3.540	-
Total Quantity					3.54 cum (cum)		3.54 Cum (Cubic Meter)	
Amount					3.54 X 6690.28185238		23683.60	
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	3.000	0.000	0.000	0.000	3.000	-
Total Quantity					3 Qntl (Quintal)		3 Qntl (Quintal)	
Amount					3 X 8933.9152161		26801.75	

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	Aboutment	2.000	2.000	5.900	1.200	0.000	28.320	-
ii	Wing wall	4.000	2.000	3.050	0.600	0.000	14.640	-
iii	Parapet	2.000	2.000	2.400	0.450	0.000	4.320	-
Total Quantity					47.28 Sqm (Sqm)		47.28 Sqm (Square Meter)	
Amount					47.28 X 216.23489289764		10223.59	

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	5.900	1.500	0.000	0.000	8.850	-
ii		2.000	5.900	0.250	0.000	0.000	2.950	-
iii		2.000	2.400	0.250	0.000	0.000	1.200	-
Total Quantity					13 Sqm (Sqm)		13 Sqm (Square Meter)	

Amount	13 X 662.689943368	8614.97
Total Amount		195723.26
Addition		
Provision for Contingency (+) @		1957.23
Display Citizen Board (+) @		4298.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		6255.23
Grand Net Total Amount		201978.50

GOURISHYAM NAIK
JE
Kolnara Block

SAMEER KUMAR RATHA
AEE
Kolnara Block

SMT REENA PRADHAN
BDO
Kolnara Block