

Detailed Estimate

OD/363/3479/119921/429894/00068168 : Const of Culvert at Lekidiguda

Block : Semiliguda, Gram Panchayat : Parajamuthai

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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	Aboutment	2.000	6.050	1.000	1.050	1.000	12.705	-
ii	Wing Wall	4.000	5.000	0.900	0.900	1.000	16.200	-
iii	U/S and D/S Cut off	2.000	1.200	0.600	0.450	1.000	0.648	-
iv		4.000	0.650	0.450	0.450	1.000	0.527	-
Total Quantity					30.0795 cum (cum)		30.0795 Cum (Cubic Meter)	
Amount					30.0795 X 240.77592		7242.42	
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	Aboutment	2.000	6.050	1.000	0.150	1.000	1.815	-
ii	Wing Wall	4.000	5.000	0.900	0.150	1.000	2.700	-
iii	U/S and D/S Cut off	2.000	1.200	0.600	0.100	1.000	0.144	-
iv		4.000	0.650	0.450	0.100	1.000	0.117	-
v	Bed	1.000	6.050	1.050	0.100	1.000	0.635	-

Total Quantity	5.41125 cum (cum)	5.41125 Cum (Cubic Meter)
Amount	5.41125 X 586.560732	3174.03

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	Aboutment	2.000	6.050	1.000	0.200	1.000	2.420	-
ii	Wing Wall	4.000	5.000	0.900	0.200	1.000	3.600	-
iii	U/S and D/S Cutoff	2.000	1.200	0.600	0.100	1.000	0.144	-
iv		4.000	0.650	0.450	0.100	1.000	0.117	-
v	Bed	1.000	6.050	1.050	0.100	1.000	0.635	-
vi	Aboutment Wall	2.000	6.050	0.700	1.500	1.000	12.705	-
vii	Wing Wall	4.000	5.000	0.650	1.050	1.000	13.650	-
viii	U/S and D/S	2.000	1.200	0.450	0.500	1.000	0.540	-
ix		4.000	0.650	0.450	0.500	0.000	0.585	-
Total Quantity					34.39625 cum (cum)		34.39625 Cum (Cubic Meter)	
Amount					34.39625 X 5515.4614795		189711.19	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Vent	1.000	6.050	1.050	0.075	1.000	0.476	-

ii	Abutment wall Top	2.000	6.050	0.500	0.075	1.000	0.454	-
iii	Wing Wall Top	4.000	5.000	0.450	0.075	1.000	0.675	-
iv	U/S and D/S	2.000	1.200	0.650	0.075	1.000	0.117	-
v	Approach	2.000	2.500	3.650	0.075	1.000	1.369	-
Total Quantity					3.0909375 cum (cum)		3.0909375 Cum (Cubic Meter)	
Amount					3.0909375 X 7028.6408535		21725.09	

5. R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	6.050	2.050	0.300	1.000	3.721	-
Total Quantity					3.72075 cum (cum)		3.72075 Cum (Cubic Meter)	
Amount					3.72075 X 6077.1528279901		22611.57	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	0.000	0.000	0.000	0.000	3.500	3.500	-
Total Quantity					3.5 Qntl (Quintal)		3.5 Qntl (Quintal)	
Amount					3.5 X 8463.8152914		29623.35	

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 Wall	2.000	6.050	4.000	0.800	1.000	38.720	-
ii	Wing Wall	4.000	5.000	4.000	0.550	1.000	44.000	-
Total Quantity					82.72 Sqm (Sqm)		82.72 Sqm (Square Meter)	
Amount					82.72 X 216.9289881034		17944.37	
Total Amount							292032.01	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3000.00	
Display Citizen Board (+) @							4967.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							7967.00	
Grand Net Total Amount							299999.01	

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Semiliguda Block

ER TOPHAN KUMAR NAYAK
AEE
Semiliguda Block

JASHMIN KUMAR PRADHAN
BDO
Semiliguda Block