

Detailed Estimate

OD/371/3561/121347/382128/00070765 : Construction of Culvert on Khairmal RD road to Birangpada
Block : Jujomura, Gram Panchayat : Nuabarangamal
Created By: PRAVASH CHANDRA MISHRA

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	Abutment	2.000	20.000	3.000	3.000	0.028	10.188	-
ii	Wings	4.000	1.000	2.500	2.500	0.028	0.708	-
iii	Closing	2.000	0.500	2.500	2.500	0.028	0.177	-
iv	Guard wall	4.000	10.000	2.500	2.000	0.028	5.660	-
Total Quantity					16.732375 cum (cum)		16.732375 Cum (Cubic Meter)	
Amount					16.732375 X 240.77592		4028.75	
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	Abutment	2.000	20.000	2.500	0.500	0.028	1.415	-
ii	wings	4.000	1.000	2.500	0.500	0.028	0.142	-
iii	Closing	2.000	0.500	2.500	0.500	0.028	0.035	-
iv	G Wall	4.000	10.000	2.500	0.500	0.028	1.416	-
v	Bed	1.000	15.000	3.000	0.500	0.028	0.637	-

Total Quantity	3.645075 cum (cum)	3.645075 Cum (Cubic Meter)
Amount	3.645075 X 549.907832	2004.46

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	Abutment	2.000	20.000	3.000	0.500	0.028	1.698	-
ii	wings	4.000	1.500	2.500	0.500	0.028	0.212	-
iii	Abutment	2.000	19.000	2.000	4.500	0.028	9.679	-
iv	Wing	3.000	5.000	2.000	4.500	0.028	3.821	-
v	W	1.000	2.660	2.000	4.500	0.028	0.678	-
vi	Extra wall	1.000	5.000	2.000	2.000	0.028	0.566	-
vii	Parapet	2.000	6.330	1.000	0.660	0.028	0.236	-
viii	G Wall	4.000	10.000	2.500	0.500	0.028	1.416	-
ix	GW	4.000	10.000	1.500	3.000	0.028	5.094	-
x	Bed	1.000	15.000	3.000	0.660	0.028	0.841	-
Total Quantity					24.23982548 cum (cum)		24.23982548 Cum (Cubic Meter)	
Amount					24.23982548 X 5611.5688678		136023.45	

4. R.C.C. Work (AR0404Ab) : 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 Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Slab	1.000	19.000	6.000	0.830	0.028	2.678	-
ii	Bed	1.000	19.000	3.000	0.250	0.028	0.404	-
Total Quantity					3.081306 cum (cum)		3.081306 Cum (Cubic Meter)	
Amount					3.081306 X 6937.9985867342		21378.10	

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	Slab	1.000	3.000	0.000	0.000	0.000	3.000	-
Total Quantity					3 Qntl (Quintal)		3 Qntl (Quintal)	
Amount					3 X 8926.1063405		26778.32	

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	Abutment	4.000	21.000	0.000	4.500	0.093	35.116	-
ii	Wing	6.000	5.500	0.000	4.500	0.093	13.796	-
iii	W	2.000	4.160	0.000	4.500	0.093	3.478	-
iv	Extra wall	2.000	6.500	0.000	2.000	0.093	2.415	-
v	Parapet	4.000	7.000	0.000	0.660	0.093	1.717	-
vi	G Wall	8.000	11.000	0.000	3.000	0.093	24.526	-
Total Quantity					81.047818 Sqm (Sqm)		81.047818 Sqm (Square Meter)	

Amount					81.047818 X 216.23489289764	17525.37		
7. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								
16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutment	2.000	21.000	0.000	3.000	0.093	11.705	-
ii	Wing	3.000	5.500	0.000	3.000	0.093	4.599	-
iii	W	1.000	4.160	0.000	3.000	0.093	1.159	-
iv	Extra wall	1.000	6.500	0.000	2.000	0.093	1.208	-
v	Parapet	4.000	7.000	0.000	0.660	0.093	1.717	-
vi	G Wall	4.000	11.000	0.000	3.000	0.093	12.263	-
Total Quantity					32.650634 Sqm (Sqm)		32.650634 Sqm (Square Meter)	
Amount					32.650634 X 252.35616186		8239.59	
8. Earth Work (AR0101c) : Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift and Compaction with H.R.R								
Earth work in ordinary soil in embankments, roads, etc. 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 specification approved by the department including proper compaction with H.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	200.000	15.000	0.300	0.028	25.470	-
Total Quantity					25.47 cum (cum)		25.47 Cum (Cubic Meter)	
Amount					25.47 X 169.92153948		4327.90	
9. Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR								

Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	200.000	12.000	0.150	0.028	10.188	-
Total Quantity					10.188 cum (cum)		10.188 Cum (Cubic Meter)	
Amount					10.188 X 1114.3667846784		11353.17	
Total Amount							231659.10	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							1024.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							1000.00	
Provision for survey investigation and quality control (+) @								
Total Addition							5024.00	
Grand Net Total Amount							236683.10	

PRAVASH CHANDRA MISHRA
JE
Jujomura Block

PRANABA KUMAR CHHURIA
AEE
Jujomura Block

RAJESH KUMAR EKKA
BDO
Jujomura Block