

Detailed Estimate

OD/364/3484/119997/430162/00063754 : Construction of culvert at Muriapalli to Kacheli road
Block : Malkangiri, Gram Panchayat : Jharapalli
Created By:Er BABITA BISWAS

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	ab wall	1.000	6.000	3.600	0.900	0.000	19.440	-
ii	w wall	4.000	2.050	1.050	0.900	0.000	7.749	-
iii	G wall	1.000	5.000	1.200	0.900	0.000	5.400	-
Total Quantity						32.589 cum (cum)	32.589 Cum (Cubic Meter)	
Amount						32.589 X 240.77592	7846.65	
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	AB Wall	1.000	6.000	3.600	0.150	0.000	3.240	-
ii	W Wall	4.000	2.050	1.050	0.150	0.000	1.292	-
iii	Inside Filling	1.000	4.800	0.600	0.250	0.000	0.720	-
iv		1.000	5.000	1.150	0.350	0.000	2.013	-
v	G wall	1.000	5.000	1.200	0.150	0.000	0.900	-
Total Quantity						8.164 cum (cum)	8.164 Cum (Cubic Meter)	
Amount						8.164 X 632.768232	5165.92	
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	AB Bed	2.000	6.000	1.500	0.250	0.000	4.500	-
ii	AB upto G.L	2.000	6.000	1.050	0.500	0.000	6.300	-
iii	AB above G.L	2.000	6.000	0.750	1.200	0.000	10.800	-
iv	Wing wall Bed	4.000	2.050	1.050	0.250	0.000	2.153	-
v	Wing wall up to G.L	4.000	2.200	0.825	0.500	0.000	3.630	-
vi	Wing wall above G.L	4.000	2.500	0.625	1.500	0.000	9.375	-
vii	Cut off wall	2.000	0.600	0.750	0.250	0.000	0.225	-
viii		2.000	1.150	0.500	0.350	0.000	0.403	-
ix	Bed	1.000	6.000	1.500	0.100	0.000	0.900	-
x	Parapet	2.000	2.700	0.350	0.400	0.000	0.756	-
xi	G wall	1.000	5.000	1.200	0.100	0.000	0.600	-
xii		1.000	5.000	0.825	1.000	0.000	4.125	-
Total Quantity					43.766 cum (cum)		43.766 Cum (Cubic Meter)	
Amount					43.766 X 5417.9563522		237122.28	

4. 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		1.500	43.780	0.000	0.000	0.000	65.670	-
Total Quantity					65.67 Sqm (Sqm)		65.67 Sqm (Square Meter)	
Amount					65.67 X 216.55039071844		14220.86	

5. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Deck Slab	1.000	6.000	2.700	0.300	0.000	4.860	-
Total Quantity						4.86 cum (cum)	4.86 Cum (Cubic Meter)	
Amount						4.86 X 12268.313667036	59624.00	

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		1.000	4.300	0.000	0.000	0.000	4.300	-
Total Quantity						4.3 Qntl (Quintal)	4.3 Qntl (Quintal)	
Amount						4.3 X 8423.8189581	36222.42	

7. 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	Vent Bed	1.000	6.000	1.500	0.075	0.000	0.675	-
ii	Parapet Wall Top	2.000	2.700	0.350	0.050	0.000	0.095	-
iii	Wing Wall Top	4.000	2.500	0.500	0.050	0.000	0.250	-
Total Quantity						1.0195 cum (cum)	1.0195 Cum (Cubic Meter)	
Amount						1.0195 X 6912.3565134	7047.15	

8. Plastering (AR1026i) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	U/S Abutement & Wing Wall	1.000	5.500	1.500	0.000	0.000	8.250	-
ii	D/S Abutement & Wing Wall	1.000	5.500	1.500	0.000	0.000	8.250	-
iii	Vent	2.000	6.000	1.200	0.000	0.000	14.400	-
iv	Parapet	2.000	2.700	1.150	0.000	0.000	6.210	-
v	Parapet Face	4.000	0.400	0.350	0.000	0.000	0.560	-
vi	Wng Wall Face	4.000	0.625	1.500	0.000	0.000	3.750	-
Total Quantity					41.42 Sqm (Sqm)		41.42 Sqm (Square Meter)	
Amount					41.42 X 158.266941218		6555.42	

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	Abutement Filling	2.000	3.450	5.200	0.450	0.000	16.146	-
Total Quantity					16.146 cum (cum)		16.146 Cum (Cubic Meter)	
Amount					16.146 X 1195.7873286784		19307.18	

Total Amount (A) : 393111.88**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
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1	Provision for Contingency @ 1%	-	3931.1188049292
2	Display Citizen Board @ Rs.2957	-	2957
Additional Components Amount (F) : 6888.1188049292			

Grand Total Amount (A + F) : 399999.99929785			
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JE
Malkangiri Block

Er. ABHIJIT SETHI
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Tapan kumar senapati
BDO
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