

## Detailed Estimate

**OD/363/3476/119882/429877/00067441 : CONST. OF CULVERT FROM K.GOUDAPUT TO KHUJEL**

**Block : Nandapur, Gram Panchayat : Malibelgaon**

**Created By: Sunita Maharana**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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 wall	2.000	6.100	1.200	0.900	0.000	13.176	-
ii	wing wall	2.000	7.750	0.750	0.500	0.000	5.813	-
iii	wing wall	1.000	8.300	0.750	0.500	0.000	3.113	-
iv	wing wall	1.000	8.900	0.750	0.500	0.000	3.338	-
v	U/S cutoff	1.000	1.800	0.600	0.600	0.000	0.648	-
vi	D/s cuoff	1.000	1.800	0.600	0.900	0.000	0.972	-
Total Quantity					27.0585 cum (cum)		27.0585 Cum (Cubic Meter)	
Amount					27.0585 X 240.77592		6515.04	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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 wall	2.000	6.100	1.200	0.100	0.000	1.464	-
ii	wing wall	2.000	7.750	0.750	0.100	0.000	1.163	-
iii	wing wall	1.000	8.300	0.750	0.100	0.000	0.623	-
iv	wing wall	1.000	8.900	0.750	0.100	0.000	0.668	-

v	U/S cutoff	1.000	1.800	0.600	0.100	0.000	0.108	-
vi	D/s cuoff	1.000	1.800	0.600	0.100	0.000	0.108	-
vii	nalla bed	1.000	6.100	1.800	0.100	0.000	1.098	-
Total Quantity					5.2305 cum (cum)		5.2305 Cum (Cubic Meter)	
Amount					5.2305 X 716.800232		3749.22	

### 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	Abutment wall	2.000	6.100	1.200	0.800	0.000	11.712	-
ii	wing wall	2.000	7.750	0.750	0.400	0.000	4.650	-
iii	wing wall	1.000	8.300	0.750	0.400	0.000	2.490	-
iv	wing wall	1.000	8.900	0.750	0.400	0.000	2.670	-
v	U/S cutoff	1.000	1.800	0.450	0.500	0.000	0.405	-
vi	D/s cuoff	1.000	1.800	0.450	0.800	0.000	0.648	-
vii	nalla bed	1.000	6.100	1.800	0.250	0.000	2.745	-
viii	Abutment	2.000	6.100	0.830	1.200	0.000	12.151	-
ix	wing wall	2.000	7.750	0.450	0.250	0.000	1.744	-
x	wing wall	1.000	8.300	0.450	0.830	0.000	3.100	-
xi	wing wall	1.000	8.900	0.450	0.350	0.000	1.402	-
xii	approach	2.000	5.000	3.000	0.100	0.000	3.000	-
xiii	tank	8.000	2.000	0.300	0.300	0.000	1.440	-
Total Quantity					48.15675 cum (cum)		48.15675 Cum (Cubic Meter)	

<b>Amount</b>		<b>48.15675 X 5487.0411198</b>					<b>264238.07</b>	
<b>4. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	6.100	2.700	0.250	0.000	4.118	-
Total Quantity					4.1175 cum (cum)		4.1175 Cum (Cubic Meter)	
<b>Amount</b>		<b>4.1175 X 5845.0973825181</b>					<b>24067.19</b>	
<b>5. Masonry Stone Work (AR0713) : Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones</b>								
Rough stone dry packing in aprons and revetments with hard granite stones (15cm to 30cm) with hard granite stones of size not less than 0.0025 cum stacked including cost, conveyance, royalty, taxes of all materials, labour required for the work etc. complete and as per direction of Engineer-in charge. (15cm-30cm)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	two sides	2.000	5.000	3.000	0.375	0.000	11.250	-
Total Quantity					11.25 cum (cum)		11.25 Cum (Cubic Meter)	
<b>Amount</b>		<b>11.25 X 1615.2829</b>					<b>18171.93</b>	
<b>6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
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	Abutment	2.000	6.100	0.450	0.150	0.000	0.824	-
ii	vent	1.000	6.100	1.800	0.050	0.000	0.549	-
iii	parapet wall	2.000	2.700	0.250	0.300	0.000	0.405	-

iv	approach	2.000	5.000	3.000	0.050	0.000	1.500	-
Total Quantity					3.2775 cum (cum)		3.2775 Cum (Cubic Meter)	
Amount					3.2775 X 6979.8846286		22876.57	
<b>7. 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</b>								
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		0.000	0.000	0.000	0.000	4.280	4.280	-
Total Quantity					4.28 Qntl (Quintal)		4.28 Qntl (Quintal)	
Amount					4.28 X 8442.3794049		36133.38	
<b>8. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>								
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 wall	2.000	6.100	1.200	0.000	0.000	14.640	-
ii	Wing wall	4.000	7.750	0.250	0.000	0.000	7.750	-
iii	Wing wall	2.000	8.300	0.830	0.000	0.000	13.778	-
iv	Wing wall	2.000	8.900	0.350	0.000	0.000	6.230	-
v	Slab	2.000	6.100	0.300	0.000	0.000	3.660	-
vi	Slab	2.000	2.700	0.300	0.000	0.000	1.620	-
vii	Slab	1.000	6.100	1.800	0.000	0.000	10.980	-
viii	parapet	4.000	2.700	0.300	0.000	0.000	3.240	-
Total Quantity					61.898 Sqm (Sqm)		61.898 Sqm (Square Meter)	

<b>Amount</b>	<b>61.898 X 216.39264180804</b>	<b>13394.27</b>
<b>Total Amount</b>		<b>389145.67</b>
<b>Addition</b>		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		4000.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		1854.00
Provision for survey investigation and quality control (+) @		
<b>Total Addition</b>		<b>10854.00</b>
<b>Grand Net Total Amount</b>		<b>399999.67</b>

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BDO  
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