

## Detailed Estimate

OD/347/3320/116534/379803/00062777 : Const of Culvert Sarkari Kata Road Bartunda

Block : Paikmal, Gram Panchayat : Bartund

Created By:Indrajit Bhoi

<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	18.000	3.000	3.500	0.000	378.000	-
ii	Wing wall	4.000	2.250	3.000	3.500	0.000	94.500	-
iii	Bed	1.000	18.000	3.000	1.000	0.000	54.000	-
iv	Cutoff	2.000	3.000	2.000	2.000	0.000	24.000	-
Total Quantity					550.5 Cft (Cubic Foot)		15.5883984 Cum (Cubic Meter)	
Amount					15.5883984 X 240.77592		3753.31	
<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	2.000	18.000	3.000	0.500	0.000	54.000	-
ii	Wing	4.000	2.250	3.000	0.500	0.000	13.500	-
iii	Bed	1.000	18.000	3.000	0.500	0.000	27.000	-
iv	cutoff	2.000	3.000	2.000	0.500	0.000	6.000	-
Total Quantity					100.5 Cft (Cubic Foot)		2.8458384 Cum (Cubic Meter)	

<b>Amount</b>				2.8458384 X 708.124332			2015.21	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	2.000	18.000	3.000	1.000	0.000	108.000	-
ii	Abutment	2.000	18.000	1.875	6.000	0.000	405.000	-
iii	Wing	4.000	2.250	3.000	1.000	0.000	27.000	-
iv	wing	4.000	2.625	1.875	6.000	0.000	118.125	-
v	Bed	1.000	18.000	3.000	0.500	0.000	27.000	-
vi	cutoff	2.000	3.000	1.500	1.500	0.000	13.500	-
vii	Parapet	2.000	6.000	1.250	1.500	0.000	22.500	-
Total Quantity					721.125 Cft (Cubic Foot)		20.4199524 Cum (Cubic Meter)	
<b>Amount</b>					20.4199524 X 5578.35296346		<b>113909.70</b>	
<b>4. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Ms rod	0.000	0.000	0.000	0.000	390.000	390.000	-
Total Quantity					390 Kg (Kilo Gram)		3.9 Qntl (Quintal)	
<b>Amount</b>					3.9 X 8426.9349192		<b>32865.05</b>	
<b>5. 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 specifaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Bed	1.000	18.000	3.000	0.330	0.000	17.820	-
Total Quantity					17.82 Cft (Cubic Foot)		0.504605376 Cum (Cubic Meter)	
Amount					0.504605376 X 7190.65692502		3628.44	

**6. 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	abutment cap	2.000	18.000	1.250	0.500	0.000	22.500	-
ii	Slab	1.000	18.000	5.500	1.000	0.000	99.000	-
Total Quantity					121.5 Cft (Cubic Foot)		3.4404912 Cum (Cubic Meter)	
Amount					3.4404912 X 12528.045459821		43102.63	
Total Amount							199274.34	

**Addition**

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							225.00	
Display Citizen Board (+) @							1500.00	
Any Other Lumpsum (+) @								

Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>1725.00</b>
<b>Grand Net Total Amount</b>	<b>200999.34</b>

**Indrajit Bhoi**  
**JE**  
**Paikmal Block**

**Ranjan Kumar Nayak**  
**AEE**  
**Paikmal Block**

**BDO Paikmal**  
**BDO**  
**Paikmal Block**