

## Detailed Estimate

**OD/372/3570/121486/418949/00017040 : Maintenance of road from Raipali to Rengali High School, Boxel Bridges**

**Block : Sonepur, Gram Panchayat : Rengali**

**Created By: Smt Supriya Guru**

<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	2.000	9.140	0.910	0.910	0.000	15.138	-
ii	U/s CUT off	2.000	1.220	0.910	0.910	0.000	2.021	-
iii	D/S Cut Off	2.000	1.220	0.910	0.910	0.000	2.021	-
iv	Bed	1.000	9.140	3.050	0.300	0.000	8.363	-
v	W/W	3.000	4.570	0.910	0.910	0.000	11.353	-
vi		1.000	15.000	0.910	0.910	0.000	12.422	-
<b>Total Quantity</b>					51.316647 cum (cum)		51.316647 Cum (Cubic Meter)	
<b>Amount</b>					<b>51.316647 X 240.77592</b>		<b>12355.81</b>	
<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	9.140	0.910	0.150	0.000	2.495	-
ii	U/S Cut Off	2.000	1.220	0.910	0.150	0.000	0.333	-
iii	D/S Cut Off	2.000	1.220	0.910	0.150	0.000	0.333	-
iv	Bed	1.000	9.140	3.050	0.150	0.000	4.182	-
v	W/W	3.000	4.570	0.910	0.150	0.000	1.871	-
vi		1.000	15.000	0.910	0.150	0.000	2.048	-

Total Quantity	11.261805 cum (cum)	11.261805 Cum (Cubic Meter)
Amount	<b>11.261805 X 646.807232</b>	<b>7284.22</b>

### 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	2.000	9.140	0.910	0.300	0.000	4.990	-
ii	Abutment Wall	2.000	9.140	0.680	2.320	0.000	28.839	-
iii	U/S Cut Off	2.000	1.220	0.910	0.600	0.000	1.332	-
iv	D/S Cut Off	2.000	1.220	0.910	0.750	0.000	1.665	-
v	Bed	1.000	9.140	3.050	0.150	0.000	4.182	-
vi	W/W	3.000	4.570	0.910	0.300	0.000	3.743	-
vii		3.000	4.570	0.680	2.320	0.000	21.629	-
viii	W/W	1.000	15.000	0.910	0.300	0.000	4.095	-
ix		1.000	15.000	0.680	2.320	0.000	23.664	-

Total Quantity	94.138784 cum (cum)	94.138784 Cum (Cubic Meter)
Amount	<b>94.138784 X 5844.94759224</b>	<b>550236.26</b>

### 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	abutment	2.000	9.140	2.320	0.000	2.000	84.819	-
ii	W/W	2.000	4.570	2.320	0.000	3.000	63.614	-
iii		2.000	15.000	2.320	0.000	1.000	69.600	-

Total Quantity	218.0336 Sqm (Sqm)	218.0336 Sqm (Square Meter)
----------------	--------------------	-----------------------------

<b>Amount</b>		218.0336 X 216.39264180804		47180.87				
<b>5. 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.)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	9.140	0.910	0.300	0.000	2.495	-
Total Quantity					2.49522 cum (cum)		2.49522 Cum (Cubic Meter)	
<b>Amount</b>		2.49522 X 6430.4671971369		16045.43				
<b>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</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	M S Rod	9.000	0.000	0.000	0.000	0.000	9.000	-
Total Quantity					9 Qntl (Quintal)		9 Qntl (Quintal)	
<b>Amount</b>		9 X 8940.5702778		80465.13				
<b>Total Amount</b>							<b>713567.72</b>	
<b>Addition</b>								
Provision for Contingency (+) @							0.00	
Display Citizen Board (+) @							1100.00	
Any Other Lumpsum (+) @								
<b>Total Addition</b>							<b>1100.00</b>	
<b>Grand Net Total Amount</b>							<b>714667.72</b>	