

## Detailed Estimate

**OD/354/3372/117728/412729/00067470 : Improvement of Apartinagar CC road at Bhismagiri.**  
**Block : Digapahandi, Gram Panchayat : Bhismagitri**  
**Created By:Girija Rani Sahu**

<b>1. Dismantling (AR1623) : Dismantling and removing cement concrete</b>								
Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Old Drain	1.000	325.000	2.500	1.000	1.000	812.500	-
Total Quantity					812.5 Cft (Cubic Foot)		23.0074 Cum (Cubic Meter)	
<b>Amount</b>					<b>23.0074 X 746.592</b>		<b>17177.14</b>	
<b>2. 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Drain	1.000	325.000	2.500	2.500	1.000	2031.250	-
Total Quantity					2031.25 Cft (Cubic Foot)		57.5185 Cum (Cubic Meter)	
<b>Amount</b>					<b>57.5185 X 240.77592</b>		<b>13849.07</b>	
<b>3. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Drain	1.000	325.000	2.500	0.330	1.000	268.125	-
ii	Road	1.000	665.000	18.500	0.330	1.000	4059.820	-

Total Quantity	4327.95 Cft (Cubic Foot)	122.55369456 Cum (Cubic Meter)
Amount	122.55369456 X 506.336432	62053.40

**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
i	Drain Bed	1.000	325.000	2.500	0.500	1.000	406.250	-
ii	Drain Wall	2.000	325.000	0.500	1.000	1.000	325.000	-
Total Quantity					731.25 Cft (Cubic Foot)		20.70666 Cum (Cubic Meter)	
Amount					20.70666 X 6855.6362732236		141957.33	

**5. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Drain Cover slab	95.000	2.000	3.000	0.330	1.000	188.100	-
Total Quantity					188.1 Cft (Cubic Foot)		5.32639008 Cum (Cubic Meter)	
Amount					5.32639008 X 6098.2620268955		32481.72	

**6. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC**

Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	665.000	18.500	1.000	1.000	12302.500	-
Total Quantity					12302.5 Sft (Square Foot)		1142.9391575 Sqm (Square Meter)	
Amount					1142.9391575 X 621.7266		710595.68	

**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 specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	665.000	0.160	0.260	1.000	27.664	-
Total Quantity					27.664 Cft (Cubic Foot)		0.7833559552 Cum (Cubic Meter)	
Amount					0.7833559552 X 7053.62462154		5525.50	

**8. 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	Road	1.000	665.000	0.160	0.260	1.000	27.664	-
Total Quantity					27.664 Cft (Cubic Foot)		0.7833559552 Cum (Cubic Meter)	
Amount					0.7833559552 X 5537.86943242		4338.12	

**Total Amount** 987977.96

**Addition**

Provision for Contingency (+) @	9879.78
Display Citizen Board (+) @	2142.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>12021.78</b>
<b>Grand Net Total Amount</b>	<b>999999.74</b>

**JE**  
**Digapahandi Block**

**ASHOK KUMAR SATAPATHY**  
**AEE**  
**Digapahandi Block**

**ANAMIKA PANDEY**  
**BDO**  
**Digapahandi Block**