

## Analysis

**OD/365/3490/120105/389222/00013466 : IMPROVEMENT OF ROAD FROM KHETRAPATNA  
CANAL TO MAJHIBABU HOUSE AT KHETRAPATNA  
Block : Baripada, Panchayat : Laxmiposi  
Created By:AISHWARYA BHUYAN**

<b>Item 1</b>
<b>Earth Work (AR0102a):</b> Earth work in hard soil or gravelly soil 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
Sub-Item of Work <b>Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	21.5	Per day	452	9718	0
LR001 : Male mulia	21.5	Per day	452	9718	0
<b>Total Amount (a+b+c)</b>				19436	
<b>Total GST (a)</b>				0	
<b>LABOUR CESS @ 1% (+)</b>				194.36	
<b>Grand Total</b>				19630.36	
<b>Say For Unit 1 (Grand Total/100)</b>				196.3036	

<b>Item 2</b>
<b>Earth Work (AR0115):</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.
Sub-Item of Work <b>Filling foundation and plinth with sand well watered and rammed</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	60.43	6043	0
LR002 : Female mulia	12.36	Per day	452	5586.72	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	471.31	47131	0

<b>c) Royalty Rate Details</b>					
<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	602.25	60225	0

<b>Total Amount (a+b+c)</b>	118985.72				
<b>Total GST (a)</b>	0				
<b>LABOUR CESS @ 1% (+)</b>	1189.8572				
<b>Grand Total</b>	120175.5772				
<b>Say For Unit 1 (Grand Total/100)</b>	1201.755772				

### Item 3

**Concrete (AR0303):** 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.

Sub-Item of Work

**Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal**

### a) Specific Rate Details

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>LR025</b> : Mason	0.18	Per day	552	99.36	0
<b>LR002</b> : Female mulia	1.4	Per day	452	632.8	0
<b>LR001</b> : Male mulia	2.5	Per day	452	1130	0
<b>BRM340</b> : Cement	2.29	1 Qntl.	428.91	982.2039	275.017092
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	66.85	32.088	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

### b) Carriage Rate Details

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM340</b> : Cement	2.29	1 Qntl.	30.732	70.37628	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	471.31	226.2288	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	601.51	577.4496	0

### c) Royalty Rate Details

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
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<b>BRM340 : Cement</b>	2.29	1 Qntl.	0	0	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.48	1 Cum	602.25	289.08	0
<b>BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)</b>	0.96	1 Cum.	551.5	529.44	0

<b>Total Amount (a+b+c)</b>	5524.46658				
<b>Total GST (a)</b>	275.017092				
<b>LABOUR CESS @ 1% (+)</b>	57.99483672				
<b>Grand Total</b>	5857.47850872				
<b>Say For Unit 1 (Grand Total/1)</b>	5857.47850872				

#### Item 4

**R.C.C. Work (AR0404Aa):** 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 centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sub-Item of Work

**Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: R.C.C. Work (AR0404A)</b>					
<b>PM096 : Generator 33KVA Generation of Electric Energy 50KVA</b>	0.4	per hour	700	280	0
<b>PM083 : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour</b>	0.4	per hour	229.55	91.82	0
<b>LR001 : Male mulia</b>	1.3333	Per day	452	602.6516	0
<b>LR025 : Mason</b>	0.1	Per day	552	55.2	0
<b>LR010 : Mate</b>	0.0573	Per day	502	28.7646	0
<b>BRM340 : Cement</b>	3.4733	1 Qntl.	428.91	1489.733103	417.12526884
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	66.85	30.0825	0
<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	1 Cum.	1380	496.8	0

<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	1382.29	746.4366	0
<b>Combine :: R.C.C. Work (AR0410c)</b>					
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	1Cum.	58374.79	233.79103395	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	1Mtr.	30.81	5.82309	0
<b>LR008</b> : Sangi mulia	0.075	Per day	502	37.65	0
<b>LR027</b> : Carpenter	0.075	Per day	552	41.4	0

<b>b) Carriage Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<b>BRM340</b> : Cement	3.4733	1 Qntl.	30.732	106.7414556	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	471.31	212.0895	0	
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	601.51	216.5436	0	
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	601.51	324.8154	0	
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	1Cum.	245.856	0.98465328	0	
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000921	1Mtr.	245.856	0.226433376	0	

<b>c) Royalty Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<b>BRM340</b> : Cement	3.4733	1 Qntl.	0	0	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	602.25	271.0125	0	
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	551.5	198.54	0	
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	551.5	297.81	0	
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	1Cum.	0	0	0	
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000921	1Mtr.	0	0	0	

<b>Total Amount (a+b+c)</b>	5768.916069206
<b>Total GST (a)</b>	417.12526884
<b>LABOUR CESS @ 1% (+)</b>	61.86041338046
<b>Grand Total</b>	6247.9017514265
<b>Say For Unit 1 (Grand Total/1)</b>	6247.9017514265

### Item 5

**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 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.

Sub-Item of Work

**Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	8	Per day	452	3616	0
LR046 : Blacksmith	3	Per day	602	1806	0
LR010 : Mate	0.44	Per day	502	220.88	0
BRM162 : Binding Wire.	8	1 Kg.	90	720	0
BRM341 : Steel	10.5	1 Qntl.	5775.86	60646.53	10916.3754

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	30.732	322.686	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	0	0	0

<b>Total Amount (a+b+c)</b>	67332.096
<b>Total GST (a)</b>	10916.3754
<b>LABOUR CESS @ 1% (+)</b>	782.484714
<b>Grand Total</b>	79030.956114
<b>Say For Unit 1 (Grand Total/10)</b>	7903.0956114

### Item 6

**Earth Work (AR0114a):** Filling in foundation and plinth with excavated materials in Hard soil / Gravelly soil including watering and ramming as directed by the Engineer-in-charge.

Sub-Item of Work

**Filling of foundation with escalated earth**

**a) Specific Rate Details**

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>LR002 : Female mulia</b>	14.3333	Per day	452	6478.6516	0
<b>LR001 : Male mulia</b>	14.3333	Per day	452	6478.6516	0

<b>Total Amount (a+b+c)</b>				12957.3032	
<b>Total GST (a)</b>					0
<b>LABOUR CESS @ 1% (+)</b>				129.573032	
<b>Grand Total</b>				13086.876232	
<b>Say For Unit 1 (Grand Total/100)</b>				130.86876232	

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