

## Analysis

**OD/346/3302/116161/391618/00106765 : IMPROVEMENT OF ROAD FROM DEULA -  
GANESWARPUR RD ROAD CHANDI MANDIR TO RANA BANDHA  
Block : Bhograi, Gram Panchayat : Mandarsahi  
Created By:Prasanta Kumar Moharana**

<b>Item 1</b>
<b>Earth Work (AR0102aa):</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
Sub-Item of Work <b>Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	25.8	Per day	462	11919.6	0
LR001 : Male mulia	25.8	Per day	462	11919.6	0
<b>Total Amount (a+b+c)</b>				23839.2	
<b>Total GST (a)</b>					0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>					1787.94
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>					1922.0355
<b>LABOUR CESS @ 1% (+)</b>					275.491755
<b>Grand Total</b>					27824.667255
<b>Say For Unit 1 (Grand Total/100)</b>					278.24667255

<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>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	71.94	7194	0
LR002 : Female mulia	12.36	Per day	462	5710.32	0
b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	835.87	83587	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	265.25	26525	0

<b>Total Amount (a+b+c)</b>	123016.32				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	9226.224				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	9918.1908				
<b>LABOUR CESS @ 1% (+)</b>	1421.607348				
<b>Grand Total</b>	143582.342148				
<b>Say For Unit 1 (Grand Total/100)</b>	1435.82342148				

<b>Item 3</b>
<b>Concrete (AR0303):</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.
Sub-Item of Work <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>LR025</b> : Mason	0.18	Per day	562	101.16	0
<b>LR002</b> : Female mulia	1.4	Per day	462	646.8	0
<b>LR001</b> : Male mulia	2.5	Per day	462	1155	0
<b>BRM340</b> : Cement	2.29	1 Qntl.	545.68	1249.6072	224.929296
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<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	835.87	401.2176	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	1689.91	1622.3136	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	265.25	127.32	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	522.5	501.6	0

<b>Total Amount (a+b+c)</b>	6867.73708
<b>Total GST (a)</b>	224.929296
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	531.9499782
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	571.846226565
<b>LABOUR CESS @ 1% (+)</b>	81.96462580765
<b>Grand Total</b>	8278.4272065727
<b>Say For Unit 1 (Grand Total/1)</b>	8278.4272065727

#### Item 4

**Concrete (AR0307):** 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 specification and direction of Engineer-in charge.

Sub-Item of Work

**Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002</b> : Female mulia	1.4	Per day	462	646.8	0
<b>LR001</b> : Male mulia	3.2	Per day	462	1478.4	0
<b>LR025</b> : Mason	0.68	Per day	562	382.16	0
<b>BRM340</b> : Cement	3.23	1 Qntl.	545.68	1762.5464	317.258352
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	1396.62	1256.958	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.23	1 Qntl.	30.732	99.26436	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	835.87	376.1415	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	1689.91	1520.919	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.23	1 Qntl.	0	0	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	265.25	119.3625	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	522.5	470.25	0

<b>Total Amount (a+b+c)</b>	8147.39776
<b>Total GST (a)</b>	317.258352
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	634.8492084
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	682.46289903
<b>LABOUR CESS @ 1% (+)</b>	97.8196821943
<b>Grand Total</b>	9879.7879016243
<b>Say For Unit 1 (Grand Total/1)</b>	9879.7879016243

### Item 5

**R.C.C. Work (AR0410c):** 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

Sub-Item of Work

**R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	58374.79	1558.606893	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	1.26	1Mtr.	30.81	38.8206	0
<b>LR008</b> : Sangi mulia	0.5	Per day	512	256	0
<b>LR027</b> : Carpenter	0.5	Per day	562	281	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	245.856	6.5643552	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	245.856	1.50955584	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	0	0	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	0	0	0

<b>Total Amount (a+b+c)</b>	2142.50140404
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Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	160.687605303
CONTRACTOR PROFIT @ 7.5% (+)	172.73917570073
LABOUR CESS @ 1% (+)	24.759281850437
Grand Total	2500.6874668942
Say For Unit 1 (Grand Total/10)	250.06874668942

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