

## Analysis

**OD/370/3551/275623/425677/00073190 : Construction of village CC Road from pongili school to RD road**  
**Block : Kalyansingpur, Gram Panchayat : Kandhakatipadu**  
**Created By:MANISHA DAS**

<b>Item 1</b>
<b>Earth Work (AR0102b):</b> Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.
Sub-Item of Work <b>Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R</b>

<b>a) Specific Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
PM024 : Smooth wheeled Roller 8 -10 tonne Soil compaction 70cum/hour	1.42857	per hour	524.7	749.570679	0	
LR002 : Female mulia	21.5	Per day	462	9933	0	
LR001 : Male mulia	21.5	Per day	462	9933	0	
<b>Total Amount (a+b+c)</b>	20615.570679					
<b>Total GST (a)</b>	0					
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	1546.167800925					
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1662.1303859944					
<b>LABOUR CESS @ 1% (+)</b>	238.23868865919					
<b>Grand Total</b>	24062.107554579					
<b>Say For Unit 1 (Grand Total/100)</b>	240.62107554579					

<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	71.94	7194	0	
LR002 : Female mulia	12.36	Per day	462	5710.32	0	

<b>b) Carriage Rate Details</b>
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Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	575.47	57547	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	46.25	4625	0

<b>Total Amount (a+b+c)</b>	75076.32				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	5630.724				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	6053.0283				
<b>LABOUR CESS @ 1% (+)</b>	867.600723				
<b>Grand Total</b>	87627.673023				
<b>Say For Unit 1 (Grand Total/100)</b>	876.27673023				

**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**

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.	569.96	1305.2084	234.937512
<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.	950	912	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	42.622	97.60438	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	575.47	276.2256	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	796.81	764.9376	0

**c) Royalty Rate Details**

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	46.25	22.2	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	160.49	154.0704	0

<b>Total Amount (a+b+c)</b>	5472.10878
<b>Total GST (a)</b>	234.937512
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	428.0284719
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	460.1306072925
<b>LABOUR CESS @ 1% (+)</b>	65.952053711925
<b>Grand Total</b>	6661.1574249044
<b>Say For Unit 1 (Grand Total/1)</b>	6661.1574249044

#### 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 specifaion 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.	569.96	1840.9708	331.374744
<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.	42.622	137.66906	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	575.47	258.9615	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.	796.81	717.129	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	46.25	20.8125	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.	160.49	144.441	0

<b>Total Amount (a+b+c)</b>	6918.89786
<b>Total GST (a)</b>	331.374744
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	543.7704453
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	584.5532286975
<b>LABOUR CESS @ 1% (+)</b>	83.785962779975
<b>Grand Total</b>	8462.3822407775
<b>Say For Unit 1 (Grand Total/1)</b>	8462.3822407775

#### 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

BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	0	0	0
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<b>Total Amount (a+b+c)</b>	2142.50140404
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	160.687605303
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	172.73917570073
<b>LABOUR CESS @ 1% (+)</b>	24.759281850437
<b>Grand Total</b>	2500.6874668942
<b>Say For Unit 1 (Grand Total/10)</b>	250.06874668942

**LAXMI NARAYAN MISHRA**  
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