

## Analysis

**OD/345/3296/116015/421450/00100493 : Const of Metal Moorum road from Kushkela To Nadi  
Khandi Road**

**Block : Titlagarh, Gram Panchayat : Kuskela**

**Created By:CHANDRAMANI NAG**

<b>Item 1</b>
<b>Road Work (AR1308):</b> Supplying & spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.
Sub-Item of Work <b>moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
PM024 : Smooth wheeled Roller 8 -10 tonne Soil compaction 70cum/hour	0.053271	per hour	524.7	27.9512937	0
BRM025 : Gravel or moorum	2.53508	1 Cum	60	152.1048	0
BRM029 : Sand for filling and road blinding	1.08672	1 Cum	71.94	78.1786368	0
LR002 : Female mulia	1.5	Per day	462	693	0
LR001 : Male mulia	1.7075	Per day	462	788.865	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	2.53508	1 Cum	276.01	699.7074308	0
BRM029 : Sand for filling and road blinding	1.08672	1 Cum	276.01	299.9455872	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	2.53508	1 Cum	40.25	102.03697	0
BRM029 : Sand for filling and road blinding	1.08672	1 Cum	46.25	50.2608	0

<b>Total Amount (a+b+c)</b>	2892.0505185
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	216.9037888875
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	233.17157305406
<b>LABOUR CESS @ 1% (+)</b>	33.421258804416
<b>Grand Total</b>	3375.547139246
<b>Say For Unit 1 (Grand Total/2.83)</b>	1192.772840723

**Item 2**

**Road Work (AR1306):** Labour for admixture of sand and moorum including labour cost, for work as per specification and direction of Engineer-in-Charge.

Sub-Item of Work

**Labour for admixture of sand and moorum**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.25	Per day	462	115.5	0

**Total Amount (a+b+c)**

115.5

**Total GST (a)**

0

**OVERHEAD CHARGES @ 7.5% (+)**

8.6625

**CONTRACTOR PROFIT @ 7.5% (+)**

9.3121875

**LABOUR CESS @ 1% (+)**

1.334746875

**Grand Total**

134.809434375

**Say For Unit 1 (Grand Total/1)**

134.809434375

**Item 3**

**Road Work (AR1341a):** Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&H Specifications for Road & Bridge works(Last Revision).

Sub-Item of Work

**Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0037 : Cost of water	144	KL	10	1440	0
BRM025 : Gravel or moorum	108	1 Cum	60	6480	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	804.94	350631.864	0
PM027 : Truck mounted water tanker Water transport 6KL	24	per hour	900.84	21620.16	0
PM025 : Smooth wheeled Roller 8 -10 tonne BMcompaction 25cum/hour	12	per hour	524.7	6296.4	0
LR001 : Male mulia	250	Per day	462	115500	0
LR025 : Mason	2	Per day	562	1124	0
LR010 : Mate	10.08	Per day	512	5160.96	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
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<b>BRM025</b> : Gravel or moorum	108	1 Cum	276.01	29809.08	0
<b>BRM075</b> : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	341.11	148587.516	0

**c) Royalty Rate Details**

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM025</b> : Gravel or moorum	108	1 Cum	40.25	4347	0
<b>BRM075</b> : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	157.5	68607	0

<b>Total Amount (a+b+c)</b>	759603.98
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	56970.2985
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	61243.0708875
<b>LABOUR CESS @ 1% (+)</b>	8778.173493875
<b>Grand Total</b>	886595.52288137
<b>Say For Unit 1 (Grand Total/360)</b>	2462.7653413372

**BIRENDRA NATH SINGH**  
**JE**  
**Titlagarh Block**

**ANSHU KUMAR**  
**AEE**  
**Titlagarh Block**

**CHANDRAMANI NAG**  
**BDO**  
**Titlagarh Block**