

Analysis

**OD/345/3296/116006/421579/00100637 : CONSTRUCTION OF METAL MOORUM ROAD
FROM BHALEGAON RD ROAD TO MEGA POINT
Block : Titlagarh, Gram Panchayat : Bhalegaon
Created By:CHANDRAMANI NAG**

Item 1					
Road Work (AR1308): 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 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					
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	49.25	124.85269	0
BRM029 : Sand for filling and road blinding	1.08672	1 Cum	44.25	48.08736	0
Total Amount (a+b+c)				2912.6927985	
Total GST (a)					0
OVERHEAD CHARGES @ 7.5% (+)				218.4519598875	
CONTRACTOR PROFIT @ 7.5% (+)				234.83585687906	
LABOUR CESS @ 1% (+)				33.659806152666	
Grand Total				3399.6404214192	
Say For Unit 1 (Grand Total/2.83)				1201.2863679927	

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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BRM025 : Gravel or moorum	108	1 Cum	276.01	29809.08	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	341.11	148587.516	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	108	1 Cum	49.25	5319	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	158.5	69042.6	0

Total Amount (a+b+c)	761011.58
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	57075.8685
CONTRACTOR PROFIT @ 7.5% (+)	61356.5586375
LABOUR CESS @ 1% (+)	8794.440071375
Grand Total	888238.44720887
Say For Unit 1 (Grand Total/360)	2467.3290200247

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JE
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AEE
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