

## Analysis

**OD/362/3464/119676/407360/00075022 : Construction of Metal Moorum road from NH- 57 to Saradhapur village**  
**Block : Khordha, Gram Panchayat : Nalipada-Arjunapur**  
**Created By:Kshirabdhitanaya Sahoo**

<b>Item 1</b>
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**Road Work (AR1307):** Supplying & spreading moorum and consolidation with HRR 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  
**Supplying & spreading moorum and consolidation with HRR**

### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	3.6224	1 Cum	61.25	221.872	0
LR002 : Female mulia	1.5	Per day	462	693	0
LR001 : Male mulia	1.5	Per day	462	693	0

### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	3.6224	1 Cum	471.31	1707.273344	0

### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	3.6224	1 Cum	40.25	145.8016	0

<b>Total Amount (a+b+c)</b>	3460.946944
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	259.5710208
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	279.03884736
<b>LABOUR CESS @ 1% (+)</b>	39.9955681216
<b>Grand Total</b>	4039.5523802816
<b>Say For Unit 1 (Grand Total/2.83)</b>	1427.403667944

### Item 2

**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	61.25	6615	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	782.44	340830.864	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
BRM025 : Gravel or moorum	108	1 Cum	471.31	50901.48	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	536.41	233660.196	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	108	1 Cum	40.25	4347	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	309.5	134818.2	0

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

922314.26

**Total GST (a)**

0

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

69173.5695

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

74361.5872125

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

10658.494167125

**Grand Total**

1076507.9108796

**Say For Unit 1 (Grand Total/360)**

2990.2997524434

**Item 3**

**Road Work (AR1305):** Supplying & spreading metal to proper camber and consolidation with filler materials laterite moorum and consolidation with H.R.R. including watering and turf edging including cost, conveyance, royalty, and taxes, etc. required for work as per specification and direction of Engineer-in-Charge.

Sub-Item of Work

**Filler materials laterite moorum and consolidation with H.R.R.**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM041</b> : Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve (Hand broken)	2.83	1 Cum.	648.36	1834.8588	0
<b>BRM025</b> : Gravel or moorum	0.849	1 Cum	61.25	52.00125	0
<b>LR002</b> : Female mulia	2	Per day	462	924	0
<b>LR001</b> : Male mulia	3	Per day	462	1386	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM041</b> : Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve (Hand broken)	2.83	1 Cum.	536.41	1518.0403	0
<b>BRM025</b> : Gravel or moorum	0.849	1 Cum	471.31	400.14219	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM041</b> : Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve (Hand broken)	2.83	1 Cum.	309.5	875.885	0
<b>BRM025</b> : Gravel or moorum	0.849	1 Cum	40.25	34.17225	0

<b>Total Amount (a+b+c)</b>	7025.09979
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	526.88248425
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	566.39867056875
<b>LABOUR CESS @ 1% (+)</b>	81.183809448187
<b>Grand Total</b>	8199.5647542669
<b>Say For Unit 1 (Grand Total/2.83)</b>	2897.372704688

**CHINMAYEE SWAIN**  
**JE**  
**Khordha Block**

**MANAS RANJAN NAYAK**  
**AEE**  
**Khordha Block**

**Kshirabdhitanaya Sahoo**  
**BDO**  
**Khordha Block**