

Analysis

**OD/364/3484/120001/430173/00063765 : Improvement of road at Kenduguda
Block : Malkangiri, Gram Panchayat : Pedakunda
Created By: Tapan kumar senapati**

Item 1

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	65.88	238.643712	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	341.11	1235.636864	0

c) Royalty Rate Details

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

Total Amount (a+b+c)

3006.082176

Total GST (a)

0

OVERHEAD CHARGES @ 7.5% (+)

225.4561632

CONTRACTOR PROFIT @ 7.5% (+)

242.36537544

LABOUR CESS @ 1% (+)

34.7390371464

Grand Total

3508.6427517864

Say For Unit 1 (Grand Total/2.83)

1239.803092504

Item 2

Special items for irrigation works (AR0201): Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km on a properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area, etc. complete as per the direction of Engineer-in charge. (measurement of the fill to be taken on the finished compacted section under OMC condition).

Sub-Item of Work

Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0101 : Cost of mechanical excavation per cum without supervision charge for item AR0201	1	Cum	21.51	21.51	0
BRMMR0103 : cost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges- AR0201	1	Cum	28.99	28.99	0
BRMMR0060 : Add construction and maintenance of haul road (L.S.)	1	Cum	1.5	1.5	0
BRMMR0106 : Add for spreading of earth - AR0201	1	Cum	4	4	0

Total Amount (a+b+c)	56
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	4.2
CONTRACTOR PROFIT @ 7.5% (+)	4.515
LABOUR CESS @ 1% (+)	0.64715
Grand Total	65.36215
Say For Unit 1 (Grand Total/1)	65.36215

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	65.88	7115.04	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	790	344124	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	341.11	36839.88	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	471.31	205302.636	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.	149.5	65122.2	0

Total Amount (a+b+c)	813992.276
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	61049.4207
CONTRACTOR PROFIT @ 7.5% (+)	65628.1272525
LABOUR CESS @ 1% (+)	9406.698239525
Grand Total	950076.52219202
Say For Unit 1 (Grand Total/360)	2639.1014505334

Item 4

Road Work (AR1304): Flank dressing to proper camber and as per direction of Engineer-in-charge.

Sub-Item of Work

Flank dressing to proper camber and as per direction of Engineer-in-charge.

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.12	Per day	462	55.44	0

Total Amount (a+b+c)	55.44
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	4.158
CONTRACTOR PROFIT @ 7.5% (+)	4.46985
LABOUR CESS @ 1% (+)	0.6406785
Grand Total	64.7085285
Say For Unit 1 (Grand Total/9.3)	6.9579062903226

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