

Analysis

OD/364/3484/120002/430193/00103072 : Construction of road from Pedawada to Putugaon
WBM

Block : Malkangiri, Gram Panchayat : Pedawada

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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	70.25	254.4736	0

Total Amount (a+b+c)

3114.754176

Total GST (a)

0

OVERHEAD CHARGES @ 7.5% (+)

233.6065632

CONTRACTOR PROFIT @ 7.5% (+)

251.12705544

LABOUR CESS @ 1% (+)

35.9948779464

Grand Total

3635.4826725864

Say For Unit 1 (Grand Total/2.83)

1284.622852504

Item 2

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	

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.	276.01	120229.956	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	108	1 Cum	70.25	7587	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	269.5	117394.2	0

Total Amount (a+b+c)	784431.596
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	58832.3697
CONTRACTOR PROFIT @ 7.5% (+)	63244.7974275
LABOUR CESS @ 1% (+)	9065.087631275
Grand Total	915573.85075877
Say For Unit 1 (Grand Total/360)	2543.2606965522

Item 4

Special items for irrigation works (AR0216): Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.

Sub-Item of Work

Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation.

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0065 : Add for trimming of slope and bed manually.	1	L.S.	1	1	0
BRMMR0102 : Cost of mechanical excavation per cum without supervision charge for item AR0216	1	Cum	25.01	25.01	0
BRMMR0104 : ost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges -AR0216	1	Cum	40.49	40.49	0

Total Amount (a+b+c)	66.5
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	4.9875
CONTRACTOR PROFIT @ 7.5% (+)	5.3615625
LABOUR CESS @ 1% (+)	0.768490625
Grand Total	77.617553125
Say For Unit 1 (Grand Total/1)	77.617553125

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