

Analysis

**OD/364/3484/119996/430265/00015647 : Improvement of Road From R.D Road To Segregation Shed
At Biraguda.**

Block : Malkangiri, Panchayat : Goudaguda

Created By:Tapan kumar senapati

Item 1

Earth Work (AR0102a): Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge

Sub-Item of Work

Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	21.5	Per day	452	9718	0
LR001 : Male mulia	21.5	Per day	452	9718	0

Total Amount (a+b+c)

19436

Total GST (a)

0

LABOUR CESS @ 1% (+)

194.36

Grand Total

19630.36

Say For Unit 1 (Grand Total/100)

196.3036

Item 2

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	65.88	167.0110704	0
BRM029 : Sand for filling and road blinding	1.08672	1 Cum	71.94	78.1786368	0

LR002 : Female mulia	1.5	Per day	452	678	0
LR001 : Male mulia	1.7075	Per day	452	771.79	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	2.53508	1 Cum	406.21	1029.7748468	0
BRM029 : Sand for filling and road blinding	1.08672	1 Cum	406.21	441.4365312	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	40.25	43.74048	0

Total Amount (a+b+c)	3339.9198289				
Total GST (a)	0				
LABOUR CESS @ 1% (+)	33.399198289				
Grand Total	3373.319027189				
Say For Unit 1 (Grand Total/2.83)	1191.9855219749				

Item 3
Earth Work (AR0115): Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.
Sub-Item of Work Filling foundation and plinth with sand well watered and rammed

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	71.94	7194	0
LR002 : Female mulia	12.36	Per day	452	5586.72	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	406.21	40621	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	40.25	4025	0

Total Amount (a+b+c)	57426.72
Total GST (a)	0
LABOUR CESS @ 1% (+)	574.2672
Grand Total	58000.9872
Say For Unit 1 (Grand Total/100)	580.009872

Item 4

Concrete (AR0307): Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specification and direction of Engineer-in charge.

Sub-Item of Work

Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.4	Per day	452	632.8	0
LR001 : Male mulia	3.2	Per day	452	1446.4	0
LR025 : Mason	0.68	Per day	552	375.36	0
BRM340 : Cement	3.23	1 Qntl.	633.36	2045.7528	572.810784
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	0
BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	1396.62	1256.958	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	36.677	118.46671	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	731.71	329.2695	0
BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	406.21	365.589	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	40.25	18.1125	0
BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	149.5	134.55	0

Total Amount (a+b+c)	6757.85451
Total GST (a)	572.810784
LABOUR CESS @ 1% (+)	73.30665294
Grand Total	7403.97194694
Say For Unit 1 (Grand Total/1)	7403.97194694

Item 5

Concrete (AR0303): Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.

Sub-Item of Work
Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR025 : Mason	0.18	Per day	552	99.36	0
LR002 : Female mulia	1.4	Per day	452	632.8	0
LR001 : Male mulia	2.5	Per day	452	1130	0
BRM340 : Cement	2.29	1 Qntl.	633.36	1450.3944	406.110432
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	36.677	83.99033	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	731.71	351.2208	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	406.21	389.9616	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	40.25	19.32	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	149.5	143.52	0
Total Amount (a+b+c)				5292.90953	
Total GST (a)				406.110432	
LABOUR CESS @ 1% (+)				56.99019962	
Grand Total				5756.01016162	
Say For Unit 1 (Grand Total/1)				5756.01016162	

Er. BIBHUTI BHUSAN ROUT
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Malkangiri Block

Er. ABHIJIT SETHI
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BDO
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