

Analysis

OD/344/3276/115561/404263/00085978 : sabara sahi
Block : Anugul, Gram Panchayat : Chhelipada
Created By:SUSANTA PATTANAYAK

Item 1
<p>Road Work (AR1341c): Providing, laying, spreading and compacting Grading-II 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).</p>
<p>Sub-Item of Work Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam</p>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0037 : Cost of water	144	KL	10	1440	0
BRM076 : I.R.C. Grade II (63mm. to 45mm.)	435.6	1 Cum.	885.66	385793.496	0
BRM025 : Gravel or moorum	105.59	1 Cum	65.88	6956.2692	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	105.59	1 Cum	406.21	42891.7139	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	105.59	1 Cum	40.25	4249.9975	0

Total Amount (a+b+c)	591032.9966
Total GST (a)	0
LABOUR CESS @ 1% (+)	5910.329966
Grand Total	596943.326566
Say For Unit 1 (Grand Total/360)	1658.1759071278

Item 2

Road Work (AR1321ai): Laying 20mm thick premix carpet using 0.27cum of 13.2mm to 5.6mm size crushed stone chipping and 14.60kg. viscosity grade (VG-30) bitumen (from Haldia) for 10sqm including hand packing to proper camber and consolidation with PRR including cost conveyance, royalty, taxes, cess etc. of all materials, hire and running charges of PRR, hot mix plant, bitumen boilers and all other T & P articles required for the work complete as per specification and direction of the Engineer-in-Charge.

Sub-Item of Work

Laying 20mm thick premix carpet using 0.27cum of 13.2mm to 5.6mm (VG-30) bitumen (from Haldia)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM348 : HALDIA BULK VG-30	8.59794	1 MT	41792	359325.10848	64678.5195264
PM025 : Smooth wheeled Roller 8 -10 tonne BMcompaction 25cum/hour	88.0598	per hour	524.7	46204.97706	0
PM053 : Bitumen boiler oil fired Bitumen spraying 1500Litre	74.5	per hour	198.11	14759.195	0
PM044 : Hotmix plant -8 to 10TPH Premix cum/hour	14.9	per hour	1586.51	23638.999	0
BRM058 : Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve) (Crusher broken)	53.001	1 Cum.	1428.13	75692.31813	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	106.002	1 Cum.	1361.88	144362.00376	0
BRM106 : Fire wood	25.7	1Qntl	726.99	18683.643	0
LR001 : Male mulia	427	Per day	462	197274	0
LR010 : Mate	47	Per day	512	24064	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM348 : HALDIA BULK VG-30	8.59794	1 MT	331.1	2846.777934	0
BRM058 : Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve) (Crusher broken)	53.001	1 Cum.	393.19	20839.46319	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	106.002	1 Cum.	406.21	43059.07242	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM348 : HALDIA BULK VG-30	8.59794	1 MT	0	0	0
BRM058 : Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve) (Crusher broken)	53.001	1 Cum.	149.5	7923.6495	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	106.002	1 Cum.	149.5	15847.299	0

Total Amount (a+b+c)

994520.506474

Total GST (a)

64678.5195264

LABOUR CESS @ 1% (+)	10591.990260004
Grand Total	1069791.0162604
Say For Unit 1 (Grand Total/5889)	181.65919787067

Item 3

Concrete (AR0317): 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)

Sub-Item of Work

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.36	Per day	462	166.32	0
LR044 : Mason	0.1	Per day	612	61.2	0
BRM340 : Cement	0.1208	1 Qntl.	520.64	62.893312	11.32079616
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	76.88	1.299272	0
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	792.13	13.386997	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.1208	1 Qntl.	40.244	4.8614752	0
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	393.19	6.644911	0
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	419.23	7.084987	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.1208	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	40.25	0.680225	0
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	149.5	2.52655	0

Total Amount (a+b+c)	326.8977292
Total GST (a)	11.32079616

LABOUR CESS @ 1% (+)	3.3821852536
Grand Total	341.6007106136
Say For Unit 1 (Grand Total/1)	341.6007106136

PRANATI MAJHI
JE
Anugul Block

ALOK KUMAR MISHRA
AEE
Anugul Block

BISWA BHUSAN
BDO
Anugul Block