

Analysis

OD/366/3520/120549/427209/00085997 : Gouda sahi road
Block : Raighar, Gram Panchayat : Naktisimoda
Created By:CPPPMS

Item 1

Road Work (AR1341e): Providing, laying, spreading and compacting Grading-III 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-III 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
BRM077 : I.R.C.Grade III (53mm. to 22.4mm.)	435.6	1 Cum.	990.88	431627.328	0
BRM025 : Gravel or moorum	105.59	1 Cum	64.52	6812.6668	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)

636723.2262

Total GST (a)

0

LABOUR CESS @ 1% (+)

6367.232262

Grand Total

643090.458462

Say For Unit 1 (Grand Total/360)

1786.3623846167

Item 2

Road Work (AR1322a): Laying 6mm thick precoated seal coat Type-B using 0.06 cum of 6.7mm size chips as per sieve analysis and 6.8Kg of viscosity grade (VG-30) bitumen (from Paradip) per 10sqm.including cost conveyance, royalty, taxes, cess etc. of all materials, hire and running charges of PRR, hot mix plant, tar boiler and all other T&P articles etc. required for the work complete as per specification and direction of the Engineer-in-Charge.

Sub-Item of Work

Laying 6mm thick precoated seal coat Type-B (VG-30) bitumen (from Paradip)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM350 : PARADIP BULK VG-30	4.00452	1 MT	40442	161950.79784	29151.1436112
PM025 : Smooth wheeled Roller 8 -10 tonne BMcompaction 25cum/hour	50.7126	per hour	524.7	26608.90122	0
PM053 : Bitumen boiler oil fired Bitumen spraying 1500Litre	16.5	per hour	198.11	3268.815	0
PM044 : Hotmix plant -8 to 10TPH Premix cum/hour	3.3	per hour	1586.51	5235.483	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	35.334	1 Cum.	957.46	33830.89164	0
BRM106 : Fire wood	12	1Qntl	676.01	8112.12	0
LR001 : Male mulia	299	Per day	462	138138	0
LR010 : Mate	9	Per day	512	4608	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM350 : PARADIP BULK VG-30	4.00452	1 MT	331.1	1325.896572	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	35.334	1 Cum.	406.21	14353.02414	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM350 : PARADIP BULK VG-30	4.00452	1 MT	0	0	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	35.334	1 Cum.	149.5	5282.433	0

Total Amount (a+b+c)

402714.362412

Total GST (a)

29151.1436112

LABOUR CESS @ 1% (+)

4318.655060232

Grand Total

436184.16108343

Say For Unit 1 (Grand Total/5889)

74.067610983772

Item 3

Road Work (AR1344a): Providing and applying tack coat with bitumen emulsion rapid setting (packed) (from Bhubaneswar) using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom as per MoRT&H Specifications for Road & Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.

Sub-Item of Work

Providing and applying tack coat with bitumen emulsion rapid setting (packed) using emulsion pressure distributor

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM355 : Rapid Setting emulsion	0.7	1 MT	49698	34788.6	6261.948
PM039 : Emulsion pressure distributor Applying emulsion tack coat 1750sqm/hour	2	per hour	798.68	1597.36	0
PM031 : Air Compressor General purpose 170/250cfm	2.8	per hour	585	1638	0
PM037 : Mechanical broom hydraulic Surface cleaning 1250sqm/hour	2.8	per hour	356	996.8	0
LR001 : Male mulia	2	Per day	462	924	0
LR010 : Mate	0.08	Per day	512	40.96	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM355 : Rapid Setting emulsion	0.7	1 MT	402.44	281.708	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM355 : Rapid Setting emulsion	0.7	1 MT	0	0	0

Total Amount (a+b+c)

40267.428

Total GST (a)

6261.948

LABOUR CESS @ 1% (+)

465.29376

Grand Total

46994.66976

Say For Unit 1 (Grand Total/3500)

13.427048502857

Item 4

Concrete (AR0304): Cement concrete (1:4:8) 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 (1:4:8) with 4 cm. hard granite(Crusher Broken) metal

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	2.5	Per day	462	1155	0
LR025 : Mason	0.18	Per day	562	101.16	0
BRM340 : Cement	1.72	1 Qntl.	561	964.92	173.6856
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.13	36.5424	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	445.27	427.4592	0
BRM340 : Cement	1.72	1 Qntl.	37.866	65.12952	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	458.29	219.9792	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	149.5	143.52	0
BRM340 : Cement	1.72	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	40.25	19.32	0

Total Amount (a+b+c)	4735.27032
Total GST (a)	173.6856
LABOUR CESS @ 1% (+)	49.0895592
Grand Total	4958.0454792
Say For Unit 1 (Grand Total/1)	4958.0454792

Item 5

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
First floor

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.414	Per day	462	191.268	0
LR044 : Mason	0.115	Per day	612	70.38	0
BRM340 : Cement	0.1208	1 Qntl.	561	67.7688	12.198384
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	76.13	1.286597	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.	850.2	14.36838	0

b) Carriage Rate Details						
Particular	Quantity	Unit	Rate	Amount	GST	
BRM340 : Cement	0.1208	1 Qntl.	36.677	4.4305816	0	
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	367.15	6.204835	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.	445.27	7.525063	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)						366.4390316
Total GST (a)						12.198384
LABOUR CESS @ 1% (+)						3.786374156
Grand Total						382.423789756
Say For Unit 1 (Grand Total/1)						382.423789756

TANMAY PATTNAIK
JE
Raighar Block

SIDDHARTH SHANKAR RANA
AEE
Raighar Block

RITU SINGH
BDO
Raighar Block