

Analysis

OD/366/3520/120532/427257/00086009 : Angara gaon sadaka
Block : Raighar, Gram Panchayat : Chhelidangari
Created By:CPPPMS

Item 1
Road Work (AR1341d): Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust 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-II stone aggregates of specific sizes using stone screened dust to water bound macadam

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.	906.85	395023.86	0	
BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	124.81	1 Cum	130.31	16263.9911	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	
BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	124.81	1 Cum	406.21	50699.0701	0	

c) Royalty Rate Details						
Particular	Quantity	Unit	Rate	Amount	GST	
BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	124.81	1 Cum	40.25	5023.6025	0	

Total Amount (a+b+c)	618152.0437
Total GST (a)	0
LABOUR CESS @ 1% (+)	6181.520437

Grand Total	624333.564137
Say For Unit 1 (Grand Total/360)	1734.2599003806

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	402.44	1611.5790288	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	35.334	1 Cum.	471.31	16653.26754	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)	405300.2882688
Total GST (a)	29151.1436112
LABOUR CESS @ 1% (+)	4344.5143188
Grand Total	438795.9461988

Item 3

Road Work (AR1321a): 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 Paradip) 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 Paradip)**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM350 : PARADIP BULK VG-30	8.59794	1 MT	40442	347717.88948	62589.2201064
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.	1370.27	145251.36054	0
BRM106 : Fire wood	25.7	1Qntl	676.01	17373.457	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
BRM350 : PARADIP BULK VG-30	8.59794	1 MT	354.88	3051.2369472	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.	419.23	22219.60923	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.	445.27	47199.51054	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM350 : PARADIP 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
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Total Amount (a+b+c)	988217.5014272
Total GST (a)	62589.2201064
LABOUR CESS @ 1% (+)	10508.067215336
Grand Total	1061314.7887489
Say For Unit 1 (Grand Total/5889)	180.21986563915

Item 4

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	562	101.16	0
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	2.5	Per day	462	1155	0
BRM340 : Cement	2.29	1 Qntl.	561	1284.69	231.2442
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.13	36.5424	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.	39.055	89.43595	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	380.17	182.4816	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	445.27	427.4592	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)	5041.84915
Total GST (a)	231.2442
LABOUR CESS @ 1% (+)	52.7309335

Grand Total	5325.8242835
Say For Unit 1 (Grand Total/1)	5325.8242835

Item 5

Concrete (AR0304a): Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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(Hand Broken) metal

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	787.36	755.8656	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	1.72	1 Qntl.	36.677	63.08444	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	458.29	219.9792	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	406.21	389.9616	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	149.5	143.52	0

Total Amount (a+b+c)	4496.15324
Total GST (a)	173.6856
LABOUR CESS @ 1% (+)	46.6983884
Grand Total	4716.5372284
Say For Unit 1 (Grand Total/1)	4716.5372284

Item 6

Road Work (AR1332b): Laying 20mm thick premix carpet using 0.23cum of 13.2mm to 5.6mm size crushed stone chipping and 12.70kg. viscosity grade (VG-30) of bitumen (packed) (from Haldia) for 9.29sqm including cost conveyance, royalty, taxes, cess etc. of all materials, hire and running charges of PRR etc. complete as per specification and direction of the Engineer-in-Charge.

Sub-Item of Work

Laying 20mm thick premix carpet (VG-30) of bitumen (packed) (from Haldia)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM354 : HALDIA PACKED VG-30	8.05	1 MT	49292	396800.6	71424.108
PM025 : Smooth wheeled Roller 8 -10 tonne BMcompaction 25cum/hour	88.0598	per hour	524.7	46204.97706	0
BRM058 : Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve) (Crusher broken)	49.57	1 Cum.	1428.13	70792.4041	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	96.23	1 Cum.	1370.27	131861.0821	0
BRM106 : Fire wood	24.2	1Qntl	676.01	16359.442	0
LR001 : Male mulia	400	Per day	462	184800	0
LR010 : Mate	44	Per day	512	22528	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM354 : HALDIA PACKED VG-30	8.05	1 MT	414.33	3335.3565	0
BRM058 : Granite Stone broken chips 11.2mm. size (Passing through 13.2mm sieve & retained on 5.6mm sieve) (Crusher broken)	49.57	1 Cum.	419.23	20781.2311	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	96.23	1 Cum.	445.27	42848.3321	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM354 : HALDIA PACKED VG-30	8.05	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)	49.57	1 Cum.	149.5	7410.715	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	96.23	1 Cum.	149.5	14386.385	0

Total Amount (a+b+c)	958108.52496
Total GST (a)	71424.108
LABOUR CESS @ 1% (+)	10295.3263296
Grand Total	1039827.9592896
Say For Unit 1 (Grand Total/5889)	176.57122759205

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