

Analysis

OD/366/3520/120531/427237/00085971 : Kumarsahi road

Block : Raighar, Gram Panchayat : Bobei

Created By:CPPPMS

Item 1
<p>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).</p>
<p>Sub-Item of Work Providing, laying, spreading and compacting Grading-I 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
BRM025 : Gravel or moorum	108	1 Cum	64.52	6968.16	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	804.94	350631.864	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	367.15	39652.2	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	406.21	176945.076	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	108	1 Cum	40.25	4347	0
BRM075 : I.R.C. Grade I (90mm-45 mm.)	435.6	1 Cum.	149.5	65122.2	0

Total Amount (a+b+c)	794808.02
Total GST (a)	0
LABOUR CESS @ 1% (+)	7948.0802
Grand Total	802756.1002
Say For Unit 1 (Grand Total/360)	2229.8780561111

Item 2

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).

Sub-Item of Work

Providing, laying, spreading and compacting Grading-II 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
BRM076 : I.R.C. Grade II (63mm. to 45mm.)	435.6	1 Cum.	906.85	395023.86	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	367.15	38767.3685	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)

595995.4128

Total GST (a)

0

LABOUR CESS @ 1% (+)

5959.954128

Grand Total

601955.366928

Say For Unit 1 (Grand Total/360)

1672.0982414667

Item 3

Road Work (AR1341f): Providing, laying, spreading and compacting Grading-III 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-III 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
BRM077 : I.R.C.Grade III (53mm. to 22.4mm.)	435.6	1 Cum.	990.88	431627.328	0
BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	115.2	1 Cum	130.31	15011.712	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	115.2	1 Cum	601.51	69293.952	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	115.2	1 Cum	40.25	4636.8	0

Total Amount (a+b+c)	671711.312
Total GST (a)	0
LABOUR CESS @ 1% (+)	6717.11312
Grand Total	678428.42512
Say For Unit 1 (Grand Total/360)	1884.5234031111

Item 4

Road Work (AR1354b): Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia) meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 13.2mm nominal size @ 0.005cum per 10sqm and at an approximate spacing of 10cm center to center in both directions, pressed into surface when the temperature of surfaces is not less than 100 degree centigrade, protruding 1 mm to 4 mm over mastic surface all complete 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 laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia)**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM354 : HALDIA PACKED VG-30	0.2045	1 MT	49292	10080.214	1814.43852
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	0.568	1 Cum.	1370.27	778.31336	0
BRM031 : Stone lime unslaked.	360	1 Kg.	21.88	7876.8	0
BRM063 : Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	0.39	1 Cum.	805.85	314.2815	0
PM028 : Tractor Pulling 50HP	1	per hour	357.55	357.55	0
PM053 : Bitumen boiler oil fired Bitumen spraying 1500Litre	6	per hour	198.11	1188.66	0
PM056 : Mastic Cooker Mastic Wearing Coat 1tonne	6	per hour	2454.85	14729.1	0
PM031 : Air Compressor General purpose 170/250cfm	0.06	per hour	585	35.1	0
PM037 : Mechanical broom hydraulic Surface cleaning 1250sqm/hour	0.06	per hour	356	21.36	0
LR025 : Mason	1	Per day	562	562	0
LR001 : Male mulia	10	Per day	462	4620	0
LR010 : Mate	0.44	Per day	512	225.28	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM354 : HALDIA PACKED VG-30	0.2045	1 MT	604.57	123.634565	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	0.568	1 Cum.	575.47	326.86696	0
BRM063 : Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	0.39	1 Cum.	796.81	310.7559	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM354 : HALDIA PACKED VG-30	0.2045	1 MT	0	0	0
BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	0.568	1 Cum.	149.5	84.916	0
BRM063 : Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	0.39	1 Cum.	149.5	58.305	0

Total Amount (a+b+c)

41693.137285

Total GST (a)

1814.43852

LABOUR CESS @ 1% (+)	435.07575805
Grand Total	43942.65156305
Say For Unit 1 (Grand Total/35)	1255.5043303729

Item 5

Masonry Stone Work (AR0717): Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

Sub-Item of Work
Laterite stone masonry

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	561	320.892	57.76056
LR001 : Male mulia	1.21	Per day	462	559.02	0
LR025 : Mason	1.05	Per day	562	590.1	0
LR044 : Mason	0.175	Per day	612	107.1	0
LR008 : Sangi mulia	1.41	Per day	512	721.92	0
LR052 : Stone dresser/ Cutter	2.12	Per day	612	1297.44	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	76.13	18.2712	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	762.55	762.55	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	47.378	27.100216	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	627.55	150.612	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	445.27	445.27	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	40.25	9.66	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	149.5	149.5	0

Total Amount (a+b+c)	5159.435416
Total GST (a)	57.76056
LABOUR CESS @ 1% (+)	52.17195976
Grand Total	5269.36793576
Say For Unit 1 (Grand Total/1)	5269.36793576

Item 6

Road Work (AR1309i): Supplying & spreading metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust and filling the interstices by spreading the same over the surface, watering, and consolidation 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 direction of Engineer-in-Charge.(To be used for minor repair works only)

Sub-Item of Work

metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust

a) Specific 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	0.9811	1 Cum	130.31	127.847141	0
PM024 : Smooth wheeled Roller 8 -10 tonne Soil compaction 70cum/hour	0.539048	per hour	524.7	282.8384856	0
BRM076 : I.R.C. Grade II (63mm. to 45mm.)	3.4243	1 Cum.	906.85	3105.326455	0
LR002 : Female mulia	3	Per day	462	1386	0
LR001 : Male mulia	1	Per day	462	462	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	0.9811	1 Cum	601.51	590.141461	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	0.9811	1 Cum	40.25	39.489275	0

Total Amount (a+b+c)	5993.6428176				
Total GST (a)	0				
LABOUR CESS @ 1% (+)	59.936428176				
Grand Total	6053.579245776				
Say For Unit 1 (Grand Total/2.83)	2139.0739384367				

DURGAPRASAD HANSDAH
JE
Raighar Block

SIDDHARTH SHANKAR RANA
AEE
Raighar Block

RITU SINGH
BDO
Raighar Block