Analysis

OD/353/3357/117439/414688/00067262 : Construction of paver block road at sai nagar,badakatturu village
Block : Gosani, Gram Panchayat : Badakathuru
Created By:GOURA CHANDRA PATNAIK

Item 1

Earth Work (AR0122Ai): Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge.

Sub-Item of Work
Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	23.6767	Per day	462	10938.6354	0
LR001 : Male mulia	23.6767	Per day	462	10938.6354	0

Total Amount (a+b+c)	21877.2708
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	1640.79531
CONTRACTOR PROFIT @ 7.5% (+)	1763.85495825
LABOUR CESS @ 1% (+)	252.8192106825
Grand Total	25534.740278933
Say For Unit 1 (Grand Total/100)	255.34740278933

Item 2

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	462	5710.32	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	601.51	60151	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	279.25	27925	0

Total Amount (a+b+c)	100980.32
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	7573.524
CONTRACTOR PROFIT @ 7.5% (+)	8141.5383
LABOUR CESS @ 1% (+)	1166.953823
Grand Total	117862.336123
Say For Unit 1 (Grand Total/100)	1178.62336123

Item 3

miscellaneous (ARM287): Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

Sub-Item of Work
Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	0.03	1 Cum	71.94	2.1582	0
BRMM287 : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	1 Sqm	608.4	608.4	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	0.03	1 Cum	601.51	18.0453	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	0.03	1 Cum	279.25	8.3775	0

Total Amount (a+b+c)	636.981
Total GST (a)	0
Grand Total	117862.336123
Say For Unit 1 (Grand Total/1)	117862.336123

Item 4

Road Work (AR1339): Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&H Specifications for Road & Bridge works (Last Revision).

Sub-Item of Work
Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0037 : Cost of water	18	KL	10	180	0
BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	201.6	1 Cum	136.33	27484.128	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.	48	1 Cum.	850.2	40809.6	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	134.4	1 Cum.	957.46	128682.624	0
PM027 : Truck mounted water tanker Water transport 6KL	3	per hour	900.84	2702.52	0
PM029 : Rotavator Mixing 25cum/hour	12	per hour	16	192	0
PM028 : Tractor Pulling 50HP	12	per hour	357.55	4290.6	0
PM022 : Vibratory Roller 8-10 tonne GSB 60cum/hour	6	per hour	1538.54	9231.24	0
PM009 : Motor Grader 3.35meter blade GSB 50cum/hour	6	per hour	2391.39	14348.34	0
LR001 : Male mulia	10	Per day	462	4620	0
LR025 : Mason	2	Per day	562	1124	0
LR010 : Mate	0.48	Per day	512	245.76	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	201.6	1 Cum	601.51	121264.416	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.	48	1 Cum.	471.31	22622.88	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	134.4	1 Cum.	601.51	80842.944	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	201.6	1 Cum	279.25	56296.8	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.	48	1 Cum.	269.5	12936	0
BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	134.4	1 Cum.	269.5	36220.8	0

Total Amount (a+b+c)	564094.652
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	42307.0989
CONTRACTOR PROFIT @ 7.5% (+)	45480.1313175
LABOUR CESS @ 1% (+)	6518.818822175
Grand Total	658400.70103968
Say For Unit 1 (Grand Total/300)	2194.6690034656

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	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.	569.86	1304.9794	234.896292
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.	54.512	124.83248	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	601.51	288.7248	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	601.51	577.4496	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	279.25	134.04	0

BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	269.5	258.72	0

Total Amount (a+b+c)	5584.04868
Total GST (a)	234.896292
OVERHEAD CHARGES @ 7.5% (+)	436.4208729
CONTRACTOR PROFIT @ 7.5% (+)	469.1524383675
LABOUR CESS @ 1% (+)	67.245182832675
Grand Total	6791.7634661002
Say For Unit 1 (Grand Total/1)	6791.7634661002

Item 6

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 specificaion 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	462	646.8	0
LR001 : Male mulia	3.2	Per day	462	1478.4	0
LR025 : Mason	0.68	Per day	562	382.16	0
BRM340 : Cement	3.23	1 Qntl.	569.86	1840.6478	331.316604
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.	42.622	137.66906	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	601.51	270.6795	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.	601.51	541.359	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	279.25	125.6625	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.	388.5	349.65	0

Total Amount (a+b+c)	7064.58186
Total GST (a)	331.316604
OVERHEAD CHARGES @ 7.5% (+)	554.6923848
CONTRACTOR PROFIT @ 7.5% (+)	596.29431366
LABOUR CESS @ 1% (+)	85.4688516246
Grand Total	8632.3540140846
Say For Unit 1 (Grand Total/1)	8632.3540140846

Item 7

R.C.C. Work (AR0410c): Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sub-Item of Work
R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	58374.79	1558.606893	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	1.26	1Mtr.	30.81	38.8206	0
LR008 : Sangi mulia	0.5	Per day	512	256	0
LR027 : Carpenter	0.5	Per day	562	281	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	436.096	11.6437632	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	436.096	2.67762944	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	0	0	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	0	0	0

Total Amount (a+b+c)	2148.74888564
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	161.156166423
CONTRACTOR PROFIT @ 7.5% (+)	173.24287890473
LABOUR CESS @ 1% (+)	24.831479309677
Grand Total	2507.9794102774
Say For Unit 1 (Grand Total/10)	250.79794102774

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