

Analysis

OD/368/3534/120847/421736/00016414 : Improvement Of Road With CD Work From Paregaon To Sethjampani
Block : Nuapada, Gram Panchayat : Motanuapada
Created By:Admin

Item 1

Earth Work (AR0102a): Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge

Sub-Item of Work

Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	21.5	Per day	452	9718	0
LR001 : Male mulia	21.5	Per day	452	9718	0

Total Amount (a+b+c)

19436

Total GST (a)

0

LABOUR CESS @ 1% (+)

194.36

Grand Total

19630.36

Say For Unit 1 (Grand Total/100)

196.3036

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	452	5586.72	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	406.21	40621	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	57.43	5743	0

Total Amount (a+b+c)	59144.72				
Total GST (a)	0				
LABOUR CESS @ 1% (+)	591.4472				
Grand Total	59736.1672				
Say For Unit 1 (Grand Total/100)	597.361672				

Item 3

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	552	99.36	0
LR002 : Female mulia	1.4	Per day	452	632.8	0
LR001 : Male mulia	2.5	Per day	452	1130	0
BRM340 : Cement	2.29	1 Qntl.	546.88	1252.3552	350.659456
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.	48.567	111.21843	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	406.21	194.9808	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	380.17	364.9632	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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BRM340 : Cement	2.29	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	57.43	27.5664	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	201.5	193.44	0

Total Amount (a+b+c)	4999.02643
Total GST (a)	350.659456
LABOUR CESS @ 1% (+)	53.49685886
Grand Total	5403.18274486
Say For Unit 1 (Grand Total/1)	5403.18274486

Item 4

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	502	251	0
LR027 : Carpenter	0.5	Per day	552	276	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	388.536	10.3739112	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	388.536	2.38561104	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)	2137.18701524
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Total GST (a)	0
LABOUR CESS @ 1% (+)	21.3718701524
Grand Total	2158.5588853924
Say For Unit 1 (Grand Total/10)	215.85588853924

Item 5

R.C.C. Work (AR0404A): Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)

Sub-Item of Work

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
PM096 : Generator 33KVA Generation of Electric Energy 50KVA	0.4	per hour	700	280	0
PM083 : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.4	per hour	229.55	91.82	0
LR001 : Male mulia	1.3333	Per day	452	602.6516	0
LR025 : Mason	0.1	Per day	552	55.2	0
LR010 : Mate	0.0573	Per day	502	28.7646	0
BRM340 : Cement	3.4733	1 Qntl.	546.88	1899.478304	531.85392512
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	0
BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	1418.67	510.7212	0
BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	1382.29	746.4366	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	48.567	168.6877611	0

BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	406.21	182.7945	0
BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	380.17	136.8612	0
BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	380.17	205.2918	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	57.43	25.8435	0
BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	201.5	72.54	0
BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	201.5	108.81	0

Total Amount (a+b+c)	5150.4970651
Total GST (a)	531.85392512
LABOUR CESS @ 1% (+)	56.8235099022
Grand Total	5739.1745001222
Say For Unit 1 (Grand Total/1)	5739.1745001222

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 specifaion 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	452	632.8	0
LR001 : Male mulia	3.2	Per day	452	1446.4	0

LR025 : Mason	0.68	Per day	552	375.36	0
BRM340 : Cement	3.23	1 Qntl.	546.88	1766.4224	494.598272
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.	48.567	156.87141	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	406.21	182.7945	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.	380.17	342.153	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	57.43	25.8435	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.	201.5	181.35	0

Total Amount (a+b+c)	6401.54881
Total GST (a)	494.598272
LABOUR CESS @ 1% (+)	68.96147082
Grand Total	6965.10855282
Say For Unit 1 (Grand Total/1)	6965.10855282

Item 7

R.C.C. Work (AR0410a): 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

Sub-Item of Work
First floor

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.72	1Mtr	51.87	348.5664	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.05424	1Cum.	58374.79	3166.2486096	0
LR008 : Sangi mulia	3.3	Per day	502	1656.6	0
LR027 : Carpenter	3.3	Per day	552	1821.6	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0828	1Mtr	388.536	32.1707808	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.05424	1Cum.	388.536	21.07419264	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0828	1Mtr	0	0	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.05424	1Cum.	0	0	0

Total Amount (a+b+c)	7046.25998304				
Total GST (a)	0				
LABOUR CESS @ 1% (+)	70.4625998304				
Grand Total	7116.7225828704				
Say For Unit 1 (Grand Total/9)	790.74695365227				

Item 8
R.C.C. Work (AR0409): Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.
Sub-Item of Work Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	8	Per day	452	3616	0

LR046 : Blacksmith	3	Per day	602	1806	0
LR010 : Mate	0.44	Per day	502	220.88	0
BRM162 : Binding Wire.	8	1 Kg.	90.1	720.8	0
BRM341 : Steel	10.5	1 Qntl.	5508.47	57838.935	10411.0083

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	48.567	509.9535	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	0	0	0

Total Amount (a+b+c)	64712.5685				
Total GST (a)	10411.0083				
LABOUR CESS @ 1% (+)	751.235768				
Grand Total	75874.812568				
Say For Unit 1 (Grand Total/10)	7587.4812568				

Item 9

Special items for irrigation works (AR0216): Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.

Sub-Item of Work

Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0065 : Add for trimming of slope and bed manually.	1	L.S.	1	1	0
BRMMR0102 : Cost of mechanical excavation per cum without supervision charge for item AR0216	1	Cum	25.01	25.01	0
BRMMR0104 : Cost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges -AR0216	1	Cum	40.49	40.49	0

Total Amount (a+b+c)	66.5				
Total GST (a)	0				
LABOUR CESS @ 1% (+)	0.665				

Grand Total	67.165
Say For Unit 1 (Grand Total/1)	67.165

Item 10
Road Work (AR1307): Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.
Sub-Item of Work Supplying & spreading moorum and consolidation with HRR

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	3.6224	1 Cum	65.88	238.643712	0
LR002 : Female mulia	1.5	Per day	462	693	0
LR001 : Male mulia	1.5	Per day	462	693	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	3.6224	1 Cum	276.01	999.818624	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM025 : Gravel or moorum	3.6224	1 Cum	40.25	145.8016	0

Total Amount (a+b+c)	2770.263936
Total GST (a)	0
LABOUR CESS @ 1% (+)	27.70263936
Grand Total	2797.96657536
Say For Unit 1 (Grand Total/2.83)	988.68076867845

DHANANJAYA KALO
JE
Nuapada Block

ARUN SAHU
AEE
Nuapada Block

ROHITA BHOI
BDO
Nuapada Block