

Analysis

OD/353/3357/117449/414663/00067652 : Construction of paver block road from siva temple to badua ammavari temple at badua
Block : Gosani, Gram Panchayat : Kharasandha
Created By:GOURA CHANDRA PATNAIK

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item 1 |
| Earth Work (AR0102aa): Earth work in hard soil or gravelly soil foundation & plinth 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 foundation & plinth within 50m. Initial lead and 1.5m initial lift |

| a) Specific Rate Details | | | | | |
|-----------------------------------------|----------|---------|------|---------|--------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| LR002 : Female mulia | 25.8 | Per day | 462 | 11919.6 | 0 |
| LR001 : Male mulia | 25.8 | Per day | 462 | 11919.6 | 0 |
| Total Amount (a+b+c) | | | | 23839.2 | |
| Total GST (a) | | | | | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | | | | | 1787.94 |
| CONTRACTOR PROFIT @ 7.5% (+) | | | | | 1922.0355 |
| LABOUR CESS @ 1% (+) | | | | | 275.491755 |
| Grand Total | | | | | 27824.667255 |
| Say For Unit 1 (Grand Total/100) | | | | | 278.24667255 |

| |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item 2 |
| 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 | 289.03 | 1046.982272 | 0 |
|---------------------------|--------|-------|--------|-------------|---|

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---------------------------|----------|-------|--------|-----------|-----|
| BRM025 : Gravel or moorum | 3.6224 | 1 Cum | 279.25 | 1011.5552 | 0 |

| | | | | | |
|------------------------------------------|--|--|--|-----------------|---|
| Total Amount (a+b+c) | | | | 3683.181184 | |
| Total GST (a) | | | | | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | | | | 276.2385888 | |
| CONTRACTOR PROFIT @ 7.5% (+) | | | | 296.95648296 | |
| LABOUR CESS @ 1% (+) | | | | 42.5637625576 | |
| Grand Total | | | | 4298.9400183176 | |
| Say For Unit 1 (Grand Total/2.83) | | | | 1519.060077144 | |

Item 3

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 | 341.11 | 68767.776 | 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. | 341.11 | 16373.28 | 0 |
| BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve) | 134.4 | 1 Cum. | 341.11 | 45845.184 | 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) | 470350.652 |
| Total GST (a) | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | 35276.2989 |
| CONTRACTOR PROFIT @ 7.5% (+) | 37922.0213175 |
| LABOUR CESS @ 1% (+) | 5435.489722175 |
| Grand Total | 548984.46193968 |
| Say For Unit 1 (Grand Total/300) | 1829.9482064656 |

Item 4

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 | 536.41 | 53641 | 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) | 94470.32 | | | | |
| Total GST (a) | 0 | | | | |
| OVERHEAD CHARGES @ 7.5% (+) | 7085.274 | | | | |
| CONTRACTOR PROFIT @ 7.5% (+) | 7616.66955 | | | | |
| LABOUR CESS @ 1% (+) | 1091.7226355 | | | | |
| Grand Total | 110263.9861855 | | | | |
| Say For Unit 1 (Grand Total/100) | 1102.639861855 | | | | |

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. | 30.732 | 70.37628 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.48 | 1 Cum | 536.41 | 257.4768 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 341.11 | 327.4656 | 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) | 5248.36048 |
| Total GST (a) | 234.896292 |
| OVERHEAD CHARGES @ 7.5% (+) | 411.2442579 |
| CONTRACTOR PROFIT @ 7.5% (+) | 442.0875772425 |
| LABOUR CESS @ 1% (+) | 63.365886071425 |
| Grand Total | 6399.9544932139 |
| Say For Unit 1 (Grand Total/1) | 6399.9544932139 |

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 specification 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. | 30.732 | 99.26436 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 536.41 | 241.3845 | 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. | 341.11 | 306.999 | 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. | 269.5 | 242.55 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 6655.42216 |
| Total GST (a) | 331.316604 |
| OVERHEAD CHARGES @ 7.5% (+) | 524.0054073 |
| CONTRACTOR PROFIT @ 7.5% (+) | 563.3058128475 |
| LABOUR CESS @ 1% (+) | 80.740499841475 |
| Grand Total | 8154.790483989 |
| Say For Unit 1 (Grand Total/1) | 8154.790483989 |

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. | 198.296 | 5.2945032 | 0 |
| BRM092 : Non-sal bullahs 75mm. mean dia of any length. | 0.00614 | 1Mtr. | 198.296 | 1.21753744 | 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) | 2140.93953364 |
| Total GST (a) | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | 160.570465023 |
| CONTRACTOR PROFIT @ 7.5% (+) | 172.61324989972 |
| LABOUR CESS @ 1% (+) | 24.741232485627 |
| Grand Total | 2498.8644810484 |
| Say For Unit 1 (Grand Total/10) | 249.88644810484 |

Item 8

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 | 536.41 | 16.0923 | 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) | 635.028 |
| Total GST (a) | 0 |
| Grand Total | 2498.8644810484 |
| Say For Unit 1 (Grand Total/1) | 2498.8644810484 |

ACHYUTANANDA MUDULI
JE
Gosani Block

SASMITA KUMARI JENA
AEE
Gosani Block

GOURA CHANDRA PATNAIK
BDO
Gosani Block