

Analysis

OD/363/3475/119859/428848/00069435 : Const. of Paver block road at Podapadar Talasahi
to Dom chuan

Block : Laxmipur, Gram Panchayat : Kakirigumma

Created By:SABYASACHI BEHERA

Item 1

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 | 861.91 | 86191 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|-------|-------|--------|-----|
| BRM029 : Sand for filling and road blinding | 100 | 1 Cum | 46.25 | 4625 | 0 |

Total Amount (a+b+c)

103720.32

Total GST (a)

0

OVERHEAD CHARGES @ 7.5% (+)

7779.024

CONTRACTOR PROFIT @ 7.5% (+)

8362.4508

LABOUR CESS @ 1% (+)

1198.617948

Grand Total

121060.412748

Say For Unit 1 (Grand Total/100)

1210.60412748

Item 2

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 3

Concrete (AR0303a): Cement concrete (1:3:6) 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 (1:3:6) 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 | 2.29 | 1 Qntl. | 547.5 | 1253.775 | 225.6795 |

| | | | | | |
|---|------|--------|--------|----------|---|
| BRM028 : Screened and washed sharp sand for mortar | 0.48 | 1 Cum | 75.86 | 36.4128 | 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 | 2.29 | 1 Qntl. | 24.787 | 56.76223 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.48 | 1 Cum | 861.91 | 413.7168 | 0 |
| BRM045 : Granite Stone broken metal 40mm. size (Hand 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 | 46.25 | 22.2 | 0 |
| BRM045 : Granite Stone broken metal 40mm. size (Hand broken) | 0.96 | 1 Cum. | 377.5 | 362.4 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 5131.55803 |
| Total GST (a) | 225.6795 |
| OVERHEAD CHARGES @ 7.5% (+) | 401.79281475 |
| CONTRACTOR PROFIT @ 7.5% (+) | 431.92727585625 |
| LABOUR CESS @ 1% (+) | 61.909576206062 |
| Grand Total | 6252.8671968123 |
| Say For Unit 1 (Grand Total/1) | 6252.8671968123 |

Item 4

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. | 547.5 | 1768.425 | 318.3165 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 75.86 | 34.137 | 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. | 24.787 | 80.06201 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 835.87 | 376.1415 | 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 | 46.25 | 20.8125 | 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. | 377.5 | 339.75 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 6690.64501 |
| Total GST (a) | 318.3165 |
| OVERHEAD CHARGES @ 7.5% (+) | 525.67211325 |
| CONTRACTOR PROFIT @ 7.5% (+) | 565.09752174375 |
| LABOUR CESS @ 1% (+) | 80.997311449937 |
| Grand Total | 8180.7284564437 |
| Say For Unit 1 (Grand Total/1) | 8180.7284564437 |

Item 5

Earth Work (AR0103a): Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department

Sub-Item of Work

Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|-----------------------------|----------|---------|------|----------|-----|
| LR002 : Female mulia | 33.53 | Per day | 462 | 15490.86 | 0 |
| LR001 : Male mulia | 33.53 | Per day | 462 | 15490.86 | 0 |

| | |
|-----------------------------|----------|
| Total Amount (a+b+c) | 30981.72 |
|-----------------------------|----------|

| | |
|----------------------------------|----------------|
| Total GST (a) | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | 2323.629 |
| CONTRACTOR PROFIT @ 7.5% (+) | 2497.901175 |
| LABOUR CESS @ 1% (+) | 358.03250175 |
| Grand Total | 36161.28267675 |
| Say For Unit 1 (Grand Total/100) | 361.6128267675 |

Item 6

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 | 835.87 | 25.0761 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|-------|-------|--------|-----|
| BRM029 : Sand for filling and road blinding | 0.03 | 1 Cum | 46.25 | 1.3875 | 0 |

| | |
|--------------------------------|----------------|
| Total Amount (a+b+c) | 637.0218 |
| Total GST (a) | 0 |
| Grand Total | 36161.28267675 |
| Say For Unit 1 (Grand Total/1) | 36161.28267675 |

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