

Analysis

OD/357/3404/118527/381116/00014136 : Const.. Of Culvert on Old Gp Office house to Samlei Bar Road

Block : Jharsuguda, Gram Panchayat : Marakuta

Created By:Anil Kumar Acharya

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

LABOUR CESS @ 1% (+)

238.392

Grand Total

24077.592

Say For Unit 1 (Grand Total/100)

240.77592

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 | 66 | 6600 | 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 | 406.21 | 40621 | 0 |

| c) Royalty Rate Details | | | | | |
|--|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM029 : Sand for filling and road blinding | 100 | 1 Cum | 436 | 43600 | 0 |

| | | | | | |
|---|------------|--|--|--|--|
| Total Amount (a+b+c) | 96531.32 | | | | |
| Total GST (a) | 0 | | | | |
| LABOUR CESS @ 1% (+) | 965.3132 | | | | |
| Grand Total | 97496.6332 | | | | |
| Say For Unit 1 (Grand Total/100) | 974.966332 | | | | |

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 | 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. | 533.85 | 1222.5165 | 342.30462 |
| BRM028 : Screened and washed sharp sand for mortar | 0.48 | 1 Cum | 74 | 35.52 | 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 | 406.21 | 194.9808 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 666.61 | 639.9456 | 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 | 436 | 209.28 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 438 | 420.48 | 0 |

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|---------------------------------------|-------------|--|--|--|--|
| Total Amount (a+b+c) | 5651.49918 | | | | |
| Total GST (a) | 342.30462 | | | | |
| LABOUR CESS @ 1% (+) | 59.938038 | | | | |
| Grand Total | 6053.741838 | | | | |
| Say For Unit 1 (Grand Total/1) | 6053.741838 | | | | |

Item 4

Concrete (AR0307a): Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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 granite(Hand broken)chips per 1cum

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|---------|---------|-----------|-----------|
| BRM057 : 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)(Hand broken) | 0.9 | 1 Cum. | 1085.19 | 976.671 | 0 |
| 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. | 533.85 | 1724.3355 | 482.81394 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 74 | 33.3 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|---------|--------|----------|-----|
| BRM057 : 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)(Hand broken) | 0.9 | 1 Cum. | 666.61 | 599.949 | 0 |
| BRM340 : Cement | 3.23 | 1 Qntl. | 30.732 | 99.26436 | 0 |

| | | | | | |
|---|------|----------|--------|----------|---|
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 406.21 | 182.7945 | 0 |
|---|------|----------|--------|----------|---|

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|------------|------|--------|-----|
| BRM057 : 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)(Hand broken) | 0.9 | 1 Cum. | 438 | 394.2 | 0 |
| BRM340 : Cement | 3.23 | 1 Qntl. | 0 | 0 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 436 | 196.2 | 0 |

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|---------------------------------------|-------------|
| Total Amount (a+b+c) | 6714.07436 |
| Total GST (a) | 482.81394 |
| LABOUR CESS @ 1% (+) | 71.968883 |
| Grand Total | 7268.857183 |
| Say For Unit 1 (Grand Total/1) | 7268.857183 |

Item 5

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. | 245.856 | 6.5643552 | 0 |
| BRM092 : Non-sal bullahs 75mm. mean dia of any length. | 0.00614 | 1Mtr. | 245.856 | 1.50955584 | 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) | 2142.50140404 | | | | |
| Total GST (a) | 0 | | | | |
| LABOUR CESS @ 1% (+) | 21.4250140404 | | | | |
| Grand Total | 2163.9264180804 | | | | |
| Say For Unit 1 (Grand Total/10) | 216.39264180804 | | | | |

Item 6

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

Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|-----------------|-------------|-------------|---------------|------------|
| BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long. | 5.6 | 1Mtr | 51.87 | 290.472 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0452 | 1Cum. | 58374.79 | 2638.540508 | 0 |
| LR008 : Sangi mulia | 2.75 | Per day | 512 | 1408 | 0 |
| LR027 : Carpenter | 2.75 | Per day | 562 | 1545.5 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|-----------------|-------------|-------------|---------------|------------|
| BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long. | 0.069 | 1Mtr | 245.856 | 16.964064 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0452 | 1Cum. | 245.856 | 11.1126912 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|-----------------|-------------|-------------|---------------|------------|
| BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long. | 0.069 | 1Mtr | 0 | 0 | 0 |

| | | | | | |
|---|-----------------|-------|---|---|---|
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0452 | 1Cum. | 0 | 0 | 0 |
| Total Amount (a+b+c) | 5910.5892632 | | | | |
| Total GST (a) | 0 | | | | |
| LABOUR CESS @ 1% (+) | 59.105892632 | | | | |
| Grand Total | 5969.695155832 | | | | |
| Say For Unit 1 (Grand Total/9) | 663.29946175911 | | | | |

Item 7

Plastering (AR1014): 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

Sub-Item of Work

16mm thick cement Plaster in CM (1:6) over brick work in inside.

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|---------|--------|----------|----------|
| LR002 : Female mulia | 0.11 | Per day | 462 | 50.82 | 0 |
| LR001 : Male mulia | 0.13 | Per day | 462 | 60.06 | 0 |
| LR025 : Mason | 0.16 | Per day | 562 | 89.92 | 0 |
| BRM340 : Cement | 0.043 | 1 Qntl. | 533.85 | 22.95555 | 6.427554 |
| BRM028 : Screened and washed sharp sand for mortar | 0.018 | 1 Cum | 74 | 1.332 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|---------|--------|----------|-----|
| BRM340 : Cement | 0.043 | 1 Qntl. | 30.732 | 1.321476 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.018 | 1 Cum | 406.21 | 7.31178 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|---------|------|--------|-----|
| BRM340 : Cement | 0.043 | 1 Qntl. | 0 | 0 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.018 | 1 Cum | 436 | 7.848 | 0 |

| | | | | | |
|-----------------------------|-------------|--|--|--|--|
| Total Amount (a+b+c) | 241.568806 | | | | |
| Total GST (a) | 6.427554 | | | | |
| LABOUR CESS @ 1% (+) | 2.4799636 | | | | |
| Grand Total | 250.4763236 | | | | |

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|--------------------------------|-------------|
| Say For Unit 1 (Grand Total/1) | 250.4763236 |
|--------------------------------|-------------|

Item 8

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 | 341.11 | 1235.636864 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---------------------------|----------|-------|------|----------|-----|
| BRM025 : Gravel or moorum | 3.6224 | 1 Cum | 62 | 224.5888 | 0 |

| | |
|--|-----------------|
| Total Amount (a+b+c) | 3084.869376 |
| Total GST (a) | 0 |
| LABOUR CESS @ 1% (+) | 30.84869376 |
| Grand Total | 3115.71806976 |
| Say For Unit 1 (Grand Total/2.83) | 1100.9604486784 |

Item 9

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 | 462 | 3696 | 0 |
| LR046 : Blacksmith | 3 | Per day | 612 | 1836 | 0 |
| LR010 : Mate | 0.44 | Per day | 512 | 225.28 | 0 |
| BRM162 : Binding Wire. | 8 | 1 Kg. | 90.1 | 720.8 | 0 |
| BRM341 : Steel | 10.5 | 1 Qntl. | 6512.92 | 68385.66 | 12309.4188 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|-----------------------|-----------------|-------------|-------------|---------------|------------|
| BRM341 : Steel | 10.5 | 1 Qntl. | 30.732 | 322.686 | 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) | 75186.426 |
| Total GST (a) | 12309.4188 |
| LABOUR CESS @ 1% (+) | 874.958448 |
| Grand Total | 88370.803248 |
| Say For Unit 1 (Grand Total/10) | 8837.0803248 |

**Fagu Murmu
JE
Jharsuguda Block**

**PRIYANKA SAHOO
AEE
Jharsuguda Block**

**Anil Kumar Acharya
BDO
Jharsuguda Block**