

Analysis

OD/350/3340/117035/398532/00063351 : Construction of Kunjaban Tota Kakudia
Block : Narasinghpur, Gram Panchayat : Kakudia
Created By:PRALAYANANDA SATPATHY

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|---|
| 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 |

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| Item 2 |
| 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. | 538.98 | 1234.2642 | 222.167556 |
| 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. | 946.4 | 908.544 | 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 | 471.31 | 226.2288 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 953.91 | 915.7536 | 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 | 169.25 | 81.24 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 674.5 | 647.52 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 6023.78928 |
| Total GST (a) | 222.167556 |
| OVERHEAD CHARGES @ 7.5% (+) | 468.4467627 |
| CONTRACTOR PROFIT @ 7.5% (+) | 503.5802699025 |
| LABOUR CESS @ 1% (+) | 72.179838686025 |
| Grand Total | 7290.1637072885 |
| Say For Unit 1 (Grand Total/1) | 7290.1637072885 |

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| Item 3 |
| 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 | 471.31 | 47131 | 0 |

| c) Royalty Rate Details | | | | | |
|--|----------|-------|--------|--------|-----|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM029 : Sand for filling and road blinding | 100 | 1 Cum | 169.25 | 16925 | 0 |

| | |
|---|--------------|
| Total Amount (a+b+c) | 76960.32 |
| Total GST (a) | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | 5772.024 |
| CONTRACTOR PROFIT @ 7.5% (+) | 6204.9258 |
| LABOUR CESS @ 1% (+) | 889.372698 |
| Grand Total | 89826.642498 |
| Say For Unit 1 (Grand Total/100) | 898.26642498 |

Item 4

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. | 538.98 | 23.17614 | 4.1717052 |
| BRM028 : Screened and washed sharp sand for mortar | 0.018 | 1 Cum | 76.88 | 1.38384 | 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 | 471.31 | 8.48358 | 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 | 169.25 | 3.0465 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 238.211536 |
| Total GST (a) | 4.1717052 |
| OVERHEAD CHARGES @ 7.5% (+) | 18.17874309 |
| CONTRACTOR PROFIT @ 7.5% (+) | 19.54214882175 |
| LABOUR CESS @ 1% (+) | 2.8010413311175 |
| Grand Total | 282.90517444287 |
| Say For Unit 1 (Grand Total/1) | 282.90517444287 |

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. | 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 6

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. | 6281.32 | 65953.86 | 11871.6948 |

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)

72754.626

Total GST (a)

11871.6948

OVERHEAD CHARGES @ 7.5% (+)

6346.97406

CONTRACTOR PROFIT @ 7.5% (+)

6822.9971145

LABOUR CESS @ 1% (+)

977.962919745

Grand Total

98774.254894245

Say For Unit 1 (Grand Total/10)

9877.4254894245

Item 7

Flooring (AR0802ii): 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

Sub-Item of Work

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|----------------------|----------|---------|------|--------|-----|
| LR001 : Male mulia | 0.14 | Per day | 462 | 64.68 | 0 |
| LR002 : Female mulia | 0.22 | Per day | 462 | 101.64 | 0 |
| LR044 : Mason | 0.13 | Per day | 612 | 79.56 | 0 |

| | | | | | |
|--|--------|------------|--------|-----------|------------|
| BRM340 : Cement | 0.0858 | 1 Qntl. | 538.98 | 46.244484 | 8.32400712 |
| BRM028 : Screened and washed sharp sand for mortar | 0.012 | 1 Cum | 76.88 | 0.92256 | 0 |
| 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) | 0.023 | 1 Cum. | 1078.4 | 24.8032 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|------------|--------|-----------|-----|
| BRM340 : Cement | 0.0858 | 1 Qntl. | 30.732 | 2.6368056 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.012 | 1 Cum | 471.31 | 5.65572 | 0 |
| 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) | 0.023 | 1 Cum. | 953.91 | 21.93993 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|------------|--------|---------|-----|
| BRM340 : Cement | 0.0858 | 1 Qntl. | 0 | 0 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.012 | 1 Cum | 169.25 | 2.031 | 0 |
| 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) | 0.023 | 1 Cum. | 674.5 | 15.5135 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 365.6271996 |
| Total GST (a) | 8.32400712 |
| OVERHEAD CHARGES @ 7.5% (+) | 28.046340504 |
| CONTRACTOR PROFIT @ 7.5% (+) | 30.1498160418 |
| LABOUR CESS @ 1% (+) | 4.321473632658 |
| Grand Total | 436.46883689846 |
| Say For Unit 1 (Grand Total/1) | 436.46883689846 |

Item 8

Masonry Brick Work (AR0603b): Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

Sub-Item of Work

Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|------------|----------|------|------|--------|-----|
|------------|----------|------|------|--------|-----|

| | | | | | |
|---|-------|----------|--------|-----------|------------|
| LR002 : Female mulia | 0.14 | Per day | 462 | 64.68 | 0 |
| LR001 : Male mulia | 2.82 | Per day | 462 | 1302.84 | 0 |
| LR025 : Mason | 1.05 | Per day | 562 | 590.1 | 0 |
| LR044 : Mason | 0.35 | Per day | 612 | 214.2 | 0 |
| BRM340 : Cement | 0.672 | 1 Qntl. | 538.98 | 362.19456 | 65.1950208 |
| BRM028 : Screened and washed sharp sand for mortar | 0.28 | 1 Cum | 76.88 | 21.5264 | 0 |
| BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm 2\%$ | 350 | 1000 Nos | 5.0273 | 1759.555 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|----------|---------|-----------|-----|
| BRM340 : Cement | 0.672 | 1 Qntl. | 30.732 | 20.651904 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.28 | 1 Cum | 471.31 | 131.9668 | 0 |
| BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm 2\%$ | 350 | 1000 Nos | 1.30585 | 457.0475 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|----------|--------|--------|-----|
| BRM340 : Cement | 0.672 | 1 Qntl. | 0 | 0 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.28 | 1 Cum | 169.25 | 47.39 | 0 |
| BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm 2\%$ | 350 | 1000 Nos | 0 | 0 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 4972.152164 |
| Total GST (a) | 65.1950208 |
| OVERHEAD CHARGES @ 7.5% (+) | 377.80103886 |
| CONTRACTOR PROFIT @ 7.5% (+) | 406.1361167745 |
| LABOUR CESS @ 1% (+) | 58.212843404345 |
| Grand Total | 5879.4971838388 |
| Say For Unit 1 (Grand Total/1) | 5879.4971838388 |

Item 9

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 | 462 | 615.9846 | 0 |
| LR025 : Mason | 0.1 | Per day | 562 | 56.2 | 0 |
| LR010 : Mate | 0.0573 | Per day | 512 | 29.3376 | 0 |
| BRM340 : Cement | 3.4733 | 1 Qntl. | 538.98 | 1872.039234 | 336.96706212 |
| 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. | 1385 | 498.6 | 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. | 1326.3 | 716.202 | 0 |

| b) Carriage Rate Details | | | | | |
|--|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM340 : Cement | 3.4733 | 1 Qntl. | 30.732 | 106.7414556 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 471.31 | 212.0895 | 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. | 953.91 | 343.4076 | 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. | 953.91 | 515.1114 | 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 | 169.25 | 76.1625 | 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. | 674.5 | 242.82 | 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. | 674.5 | 364.23 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 6055.3418896 |
| Total GST (a) | 336.96706212 |
| OVERHEAD CHARGES @ 7.5% (+) | 479.423171379 |
| CONTRACTOR PROFIT @ 7.5% (+) | 515.37990923243 |
| LABOUR CESS @ 1% (+) | 73.871120323314 |
| Grand Total | 7460.9831526547 |
| Say For Unit 1 (Grand Total/1) | 7460.9831526547 |

BISHNUPRIYA
JE
Narasinghpur Block

SUSHIL
AEE
Narasinghpur Block

PRALAYANANDA SATPATHY
BDO
Narasinghpur Block