

Analysis

OD/346/3301/275543/392326/00063451 : REPAIR AND MAINTENANCE BINJHAPURA GOVT
PRY SCHOOL

Block : Basta, Gram Panchayat : Velora

Created By:Mihir Ranjan Behera

Item 1

Masonry Brick Work (AR0603bi): Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure 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 superstructure

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|----------|---------|-----------|------------|
| LR002 : Female mulia | 0.14 | Per day | 462 | 64.68 | 0 |
| BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK | 1 | 1 Cum | 33 | 33 | 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. | 521.52 | 350.46144 | 63.0830592 |
| 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./Cm ² with dimensional tolerance ± 2 % | 350 | 1000 Nos | 5.14255 | 1799.8925 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|----------|---------|-----------|-----|
| BRM340 : Cement | 0.672 | 1 Qntl. | 24.787 | 16.656864 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.28 | 1 Cum | 705.67 | 197.5876 | 0 |
| BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 % | 350 | 1000 Nos | 1.83595 | 642.5825 | 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 | 344.25 | 96.39 | 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 ± 2 % | 350 | 1000 Nos | 0 | 0 | 0 |
|---|-----|----------|---|---|---|

| | |
|---------------------------------------|----------------|
| Total Amount (a+b+c) | 5329.917304 |
| Total GST (a) | 63.0830592 |
| LABOUR CESS @ 1% (+) | 53.930003632 |
| Grand Total | 5446.930366832 |
| Say For Unit 1 (Grand Total/1) | 5446.930366832 |

Item 2

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. | 521.52 | 1811.395416 | 326.05117488 |
| 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. | 24.787 | 86.0926871 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.45 | 1 Cum | 705.67 | 317.5515 | 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. | 1340.31 | 482.5116 | 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. | 1340.31 | 723.7674 | 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 | 344.25 | 154.9125 | 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. | 522.5 | 188.1 | 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. | 522.5 | 282.15 | 0 |
| Total Amount (a+b+c) | | | | 6411.5771031 | |
| Total GST (a) | | | | 326.05117488 | |
| LABOUR CESS @ 1% (+) | | | | 67.3762827798 | |
| Grand Total | | | | 6805.0045607598 | |
| Say For Unit 1 (Grand Total/1) | | | | 6805.0045607598 | |

| |
|--|
| Item 3 |
| 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 | 720 | 0 |
| BRM341 : Steel | 10.5 | 1 Qntl. | 6589.15 | 69186.075 | 12453.4935 |

| b) Carriage Rate Details | | | | | |
|---------------------------------|----------|---------|--------|----------|-----|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM341 : Steel | 10.5 | 1 Qntl. | 39.055 | 410.0775 | 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) | | | | | 76073.4325 |
| Total GST (a) | | | | | 12453.4935 |
| LABOUR CESS @ 1% (+) | | | | | 885.26926 |
| Grand Total | | | | | 89412.19526 |
| Say For Unit 1 (Grand Total/10) | | | | | 8941.219526 |

| |
|---|
| Item 4 |
| R.C.C. Work (AR0410e): 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. Lintels Data for 7.8 sqm |
| Sub-Item of Work Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting |

| a) Specific Rate Details | | | | | |
|---|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM094 : Non-sal bullahs 125mm. mean dia of any length. | 2.1 | 1Mtr. | 41.81 | 87.801 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0413 | 1Cum. | 58374.79 | 2410.878827 | 0 |
| LR008 : Sangi mulia | 1.25 | Per day | 512 | 640 | 0 |
| LR027 : Carpenter | 1.25 | Per day | 562 | 702.5 | 0 |

| b) Carriage Rate Details | | | | | |
|---|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM094 : Non-sal bullahs 125mm. mean dia of any length. | 0.0276 | 1Mtr. | 198.296 | 5.4729696 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0413 | 1Cum. | 198.296 | 8.1896248 | 0 |

| c) Royalty Rate Details | | | | | |
|---|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM094 : Non-sal bullahs 125mm. mean dia of any length. | 0.0276 | 1Mtr. | 0 | 0 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0413 | 1Cum. | 0 | 0 | 0 |

| | | | | | |
|---|--|--|--|--|-----------------|
| Total Amount (a+b+c) | | | | | 3854.8424214 |
| Total GST (a) | | | | | 0 |
| LABOUR CESS @ 1% (+) | | | | | 38.548424214 |
| Grand Total | | | | | 3893.390845614 |
| Say For Unit 1 (Grand Total/7.8) | | | | | 499.15267251462 |

Item 5

R.C.C. Work (AR0410d): 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. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sub-Item of Work

Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|---------|----------|-------------|-----|
| BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long. | 2.32 | 1Mtr | 51.87 | 120.3384 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0218 | 1Cum. | 58374.79 | 1272.570422 | 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. | 0.0238 | 1Mtr | 198.296 | 4.7194448 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0218 | 1Cum. | 198.296 | 4.3228528 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|-------|------|--------|-----|
| BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long. | 0.0238 | 1Mtr | 0 | 0 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0218 | 1Cum. | 0 | 0 | 0 |

Total Amount (a+b+c)

4355.4511196

Total GST (a)

0

LABOUR CESS @ 1% (+)

43.554511196

Grand Total

4399.005630796

Say For Unit 1 (Grand Total/4.2)

1047.3822930467

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 | 198.296 | 13.682424 | 0 |
| BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.0452 | 1Cum. | 198.296 | 8.9629792 | 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) | 5905.1579112 |
| Total GST (a) | 0 |
| LABOUR CESS @ 1% (+) | 59.051579112 |
| Grand Total | 5964.209490312 |
| Say For Unit 1 (Grand Total/9) | 662.689943368 |

Item 7

Iron Work (AR1704): Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

Sub-Item of Work
Iron Doors and windows fixing

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|---------|---------|-----------|------------|
| BRM341 : Steel | 0.508 | 1 Qntl. | 6589.15 | 3347.2882 | 602.511876 |
| LR001 : Male mulia | 3.25 | Per day | 462 | 1501.5 | 0 |
| LR011 : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder | 1 | Per day | 512 | 512 | 0 |
| LR028 : Fitter | 1 | Per day | 562 | 562 | 0 |
| LR047 : Fitter | 1 | Per day | 612 | 612 | 0 |

| | | | | | |
|---------------------|------|---------|-----|-----|---|
| LR026 : Black smith | 1 | Per day | 562 | 562 | 0 |
| LR046 : Blacksmith | 0.75 | Per day | 612 | 459 | 0 |

b) Carriage Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|----------------|----------|---------|--------|-----------|-----|
| BRM341 : Steel | 0.508 | 1 Qntl. | 24.787 | 12.591796 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|----------------|----------|---------|------|--------|-----|
| BRM341 : Steel | 0.508 | 1 Qntl. | 0 | 0 | 0 |

| | |
|---|-----------------|
| Total Amount (a+b+c) | 7568.379996 |
| Total GST (a) | 602.511876 |
| LABOUR CESS @ 1% (+) | 81.70891872 |
| Grand Total | 8252.60079072 |
| Say For Unit 1 (Grand Total/0.508) | 16245.277147087 |

**DINESH KUMAR ADA
JE
Basta Block**

**BIKRAM KUMAR JENA
AEE
Basta Block**

**Mihir Ranjan Behera
BDO
Basta Block**