

Analysis

OD/356/3403/118514/400420/00065259 : DEVELOPMENT AND BEAUTIFICATION OF RURAL PARK WITH INTERNAL WIRING AND LIGHTING IN FRONT OF RGSY OF PANCHAYAT SAMITI

Block : Sukinda, Gram Panchayat : Sukindagarh

Created By: Prangyan Primita Prusty

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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 |
| 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 | 640.57 | 64057 | 0 |

| c) Royalty Rate Details | | | | | |
|--|----------|-------|--------|--------|-----|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM029 : Sand for filling and road blinding | 100 | 1 Cum | 274.25 | 27425 | 0 |

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|---|----------------|--|--|--|--|
| Total Amount (a+b+c) | 104386.32 | | | | |
| Total GST (a) | 0 | | | | |
| OVERHEAD CHARGES @ 7.5% (+) | 7828.974 | | | | |
| CONTRACTOR PROFIT @ 7.5% (+) | 8416.14705 | | | | |
| LABOUR CESS @ 1% (+) | 1206.3144105 | | | | |
| Grand Total | 121837.7554605 | | | | |
| Say For Unit 1 (Grand Total/100) | 1218.377554605 | | | | |

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| 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. | 543.88 | 1245.4852 | 224.187336 |
| 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. | 940.6 | 902.976 | 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 | 640.57 | 307.4736 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 705.67 | 677.4432 | 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 | 274.25 | 131.64 | 0 |
| BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 1 Cum. | 444.5 | 426.72 | 0 |

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|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 5688.36263 |
| Total GST (a) | 224.187336 |
| OVERHEAD CHARGES @ 7.5% (+) | 443.44124745 |
| CONTRACTOR PROFIT @ 7.5% (+) | 476.69934100875 |
| LABOUR CESS @ 1% (+) | 68.326905544588 |
| Grand Total | 6901.0174600033 |
| Say For Unit 1 (Grand Total/1) | 6901.0174600033 |

Item 4

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. | 543.88 | 365.48736 | 65.7877248 |
| 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 | 5.0305 | 1760.675 | 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 | 640.57 | 179.3596 | 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 | 0.8641 | 302.435 | 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 | 274.25 | 76.79 | 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 |
|---|-----|----------|---|---|---|

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|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 4894.750224 |
| Total GST (a) | 65.7877248 |
| OVERHEAD CHARGES @ 7.5% (+) | 372.04034616 |
| CONTRACTOR PROFIT @ 7.5% (+) | 399.943372122 |
| LABOUR CESS @ 1% (+) | 57.32521667082 |
| Grand Total | 5789.8468837528 |
| Say For Unit 1 (Grand Total/1) | 5789.8468837528 |

Item 5

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. | 543.88 | 365.48736 | 65.7877248 |
| 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 | 5.0305 | 1760.675 | 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 | 640.57 | 179.3596 | 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 | 0.8641 | 302.435 | 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 | 274.25 | 76.79 | 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 |

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|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 4927.750224 |
| Total GST (a) | 65.7877248 |
| OVERHEAD CHARGES @ 7.5% (+) | 374.51534616 |
| CONTRACTOR PROFIT @ 7.5% (+) | 402.603997122 |
| LABOUR CESS @ 1% (+) | 57.70657292082 |
| Grand Total | 5828.3638650028 |
| Say For Unit 1 (Grand Total/1) | 5828.3638650028 |

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 | 640.57 | 19.2171 | 0 |

c) Royalty Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|-----------------|-------------|-------------|---------------|------------|
| BRM029 : Sand for filling and road blinding | 0.03 | 1 Cum | 274.25 | 8.2275 | 0 |

| | |
|-----------------------------|----------|
| Total Amount (a+b+c) | 638.0028 |
| Total GST (a) | 0 |
| Grand Total | 0 |

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| Say For Unit 1 (Grand Total/1) | 0 |
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Item 7

Earth Work (AR0122Bii): Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.

Sub-Item of Work

Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|--|----------|---------|--------|------------|-----|
| BRMM402 : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading). | -0.6666 | 1 Cum | 175.38 | 116.908308 | 0 |
| BRMM401 : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading | 1 | 1 Cum | 276.01 | 276.01 | 0 |
| LR002 : Female mulia | 0.215 | Per day | 462 | 99.33 | 0 |
| LR001 : Male mulia | 0.215 | Per day | 462 | 99.33 | 0 |

| | |
|---------------------------------------|-----------------|
| Total Amount (a+b+c) | 357.761692 |
| Total GST (a) | 0 |
| OVERHEAD CHARGES @ 7.5% (+) | 26.8321269 |
| CONTRACTOR PROFIT @ 7.5% (+) | 28.8445364175 |
| LABOUR CESS @ 1% (+) | 4.134383553175 |
| Grand Total | 417.57273887067 |
| Say For Unit 1 (Grand Total/1) | 417.57273887067 |

Item 8

Plastering (AR1004): 12mm thick cement plster (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

12mm thick cement plster (1:6) over Brick work in inside

a) Specific Rate Details

| Particular | Quantity | Unit | Rate | Amount | GST |
|---|----------|---------|--------|-----------|------------|
| LR002 : Female mulia | 0.05 | Per day | 462 | 23.1 | 0 |
| LR001 : Male mulia | 0.07 | Per day | 462 | 32.34 | 0 |
| LR025 : Mason | 0.14 | Per day | 562 | 78.68 | 0 |
| BRM340 : Cement | 0.0358 | 1 Qntl. | 543.88 | 19.470904 | 3.50476272 |
| BRM028 : Screened and washed sharp sand for mortar | 0.015 | 1 Cum | 76.88 | 1.1532 | 0 |

| b) Carriage Rate Details | | | | | |
|---|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM340 : Cement | 0.0358 | 1 Qntl. | 24.787 | 0.8873746 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.015 | 1 Cum | 640.57 | 9.60855 | 0 |

| c) Royalty Rate Details | | | | | |
|---|-----------------|-------------|-------------|---------------|------------|
| Particular | Quantity | Unit | Rate | Amount | GST |
| BRM340 : Cement | 0.0358 | 1 Qntl. | 0 | 0 | 0 |
| BRM028 : Screened and washed sharp sand for mortar | 0.015 | 1 Cum | 274.25 | 4.11375 | 0 |

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|---------------------------------------|-----------------|--|--|--|--|
| Total Amount (a+b+c) | 169.3537786 | | | | |
| Total GST (a) | 3.50476272 | | | | |
| OVERHEAD CHARGES @ 7.5% (+) | 12.964390599 | | | | |
| CONTRACTOR PROFIT @ 7.5% (+) | 13.936719893925 | | | | |
| LABOUR CESS @ 1% (+) | 1.9975965181293 | | | | |
| Grand Total | 201.75724833105 | | | | |
| Say For Unit 1 (Grand Total/1) | 201.75724833105 | | | | |

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