

Detailed Estimate

OD/369/3541/275296/410139/00075789 : CONST. OF MAA MANGALA TEMPLE BHOGA MANDAP

Block : Kanas, Gram Panchayat : Gadisagoda

Created By:SONIA RANI SAHOO

| 1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift | | | | | | | | |
|---|-------------|-------|--------|--------|--------------------------------|-------|----------------------------------|-----------|
| 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 | | | | | | | | |
| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | col | 6.000 | 4.000 | 4.000 | 4.000 | 0.000 | 384.000 | - |
| ii | wall | 2.000 | 25.170 | 1.000 | 1.000 | 0.000 | 50.340 | - |
| iii | wall | 3.000 | 12.160 | 1.000 | 1.000 | 0.000 | 36.480 | - |
| Total Quantity | | | | | 470.82 Cft (Cubic Foot) | | 13.332115776 Cum (Cubic Meter) | |
| Amount | | | | | 13.332115776 X 240.77592 | | 3210.05 | |
| 2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed | | | | | | | | |
| 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. | | | | | | | | |
| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | col | 6.000 | 4.000 | 4.000 | 0.500 | 0.000 | 48.000 | - |
| ii | floor | 1.000 | 23.330 | 12.330 | 1.000 | 0.000 | 287.659 | - |
| iii | wall | 2.000 | 25.160 | 1.000 | 0.330 | 0.000 | 16.606 | - |
| iv | wall | 3.000 | 12.160 | 1.000 | 0.330 | 0.000 | 12.038 | - |
| Total Quantity | | | | | 364.3029 Cft (Cubic Foot) | | 10.31589235872 Cum (Cubic Meter) | |
| Amount | | | | | 10.31589235872 X 881.208032 | | 9090.45 | |

3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

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.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|--------|----------------------------------|-------|---------------------------------|-----------|
| i | col | 6.000 | 4.000 | 4.000 | 0.500 | 0.000 | 48.000 | - |
| ii | floor | 1.000 | 23.330 | 12.330 | 0.500 | 0.000 | 143.829 | - |
| Total Quantity | | | | | 191.82945 Cft (Cubic Foot) | | 5.43199616976 Cum (Cubic Meter) | |
| Amount | | | | | 5.43199616976 X 5974.36512596 | | 32452.73 | |

4. 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

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.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|--------|-------|-------|-------------------|-------|-------------------|-----------|
| i | | 19.000 | 0.000 | 0.000 | 0.000 | 0.000 | 19.000 | - |
| Total Quantity | | | | | 19 Qntl (Quintal) | | 19 Qntl (Quintal) | |
| Amount | | | | | 19 X 7959.7534905 | | 151235.32 | |

5. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specifaion and direction of Engineer-in charge. (new work)

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|--------|-------------------------------|-------|------------------------------|-----------|
| i | roof | 1.000 | 27.000 | 16.000 | 0.000 | 0.000 | 432.000 | - |
| Total Quantity | | | | | 432 Sft (Square Foot) | | 40.134096 Sqm (Square Meter) | |
| Amount | | | | | 40.134096 X 361.1852686892 | | 14495.84 | |

6. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|-------|---------------------------------|-------|------------------------------|-----------|
| i | col | 6.000 | 4.000 | 4.000 | 1.000 | 0.000 | 96.000 | - |
| ii | | 6.000 | 2.500 | 2.500 | 1.000 | 0.000 | 37.500 | - |
| iii | | 6.000 | 1.250 | 0.830 | 1.000 | 0.000 | 6.225 | - |
| Total Quantity | | | | | 139.725 Cft (Cubic Foot) | | 3.95656488 Cum (Cubic Meter) | |
| Amount | | | | | 3.95656488 X 6482.3143961005 | | 25647.70 | |

7. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|-------|------------------------------------|-------|---------------------------------|-----------|
| i | plinth beam | 2.000 | 25.000 | 0.830 | 1.000 | 0.000 | 41.500 | - |
| ii | | 3.000 | 12.330 | 0.830 | 1.000 | 0.000 | 30.702 | - |
| Total Quantity | | | | | 72.2017 Cft (Cubic Foot) | | 2.04452109856 Cum (Cubic Meter) | |
| Amount | | | | | 2.04452109856 X 7243.5534907334 | | 14809.60 | |

8. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|----------------|-------|--------|-------|----------------------------------|-------|-------------------------------|-----------|
| i | col up to roof | 6.000 | 1.250 | 0.830 | 9.000 | 0.000 | 56.025 | - |
| ii | beam | 2.000 | 27.000 | 0.830 | 1.000 | 0.000 | 44.820 | - |
| iii | beam | 3.000 | 16.000 | 0.830 | 1.000 | 0.000 | 39.840 | - |
| Total Quantity | | | | | 140.685 Cft (Cubic Foot) | | 3.983749008 Cum (Cubic Meter) | |
| Amount | | | | | 3.983749008 X 14569.556848502 | | 58041.46 | |

9. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|--------|----------------------------------|-------|-------------------------------|-----------|
| i | roof | 1.000 | 27.000 | 16.000 | 0.410 | 0.000 | 177.120 | - |
| Total Quantity | | | | | 177.12 Cft (Cubic Foot) | | 5.015471616 Cum (Cubic Meter) | |
| Amount | | | | | 5.015471616 X 12831.062408708 | | 64353.83 | |

10. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|-------|-------------------------------------|-------|-----------------------------------|-----------|
| i | wall | 2.000 | 25.000 | 0.830 | 0.660 | 0.000 | 27.390 | - |
| ii | wall | 3.000 | 12.440 | 0.830 | 0.660 | 0.000 | 20.444 | - |
| Total Quantity | | | | | 47.833896 Cft (Cubic Foot) | | 1.3545028662528 Cum (Cubic Meter) | |
| Amount | | | | | 1.3545028662528 X 5648.867352528 | | 7651.41 | |

11. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|--|-------------|-------|--------|--------|---------------------------------|-------|--------------------------------|-----------|
| i | ceil | 1.000 | 27.000 | 14.000 | 0.000 | 0.000 | 378.000 | - |
| ii | carnice | 1.000 | 86.000 | 0.410 | 0.000 | 0.000 | 35.260 | - |
| iii | col | 6.000 | 4.500 | 9.000 | 0.000 | 0.000 | 243.000 | - |
| iv | beam | 4.000 | 27.000 | 1.000 | 0.000 | 0.000 | 108.000 | - |
| v | beam | 6.000 | 16.000 | 1.000 | 0.000 | 0.000 | 96.000 | - |
| Total Quantity | | | | | 860.26 Sft (Square Foot) | | 79.92073478 Sqm (Square Meter) | |
| Amount | | | | | 79.92073478 X 190.7534573728 | | 15245.16 | |
| Total Amount | | | | | | | 396233.53 | |
| Addition | | | | | | | | |
| Provision for PH Work (+) @ | | | | | | | | |
| Provision for EI Work (+) @ | | | | | | | | |
| Provision for Contingency (+) @ | | | | | | | 0.00 | |
| Display Citizen Board (+) @ | | | | | | | 3766.00 | |
| Any Other Lumpsum (+) @ | | | | | | | | |
| Provision for survey investigation and quality control (+) @ | | | | | | | | |
| Total Addition | | | | | | | 3766.00 | |
| Grand Net Total Amount | | | | | | | 399999.53 | |

SONIA RANI SAHOO
JE
Kanas Block

SASWAT KUMAR SENAPATI
AEE
Kanas Block

SOUMYA RANJAN SWAIN
BDO
Kanas Block