

Detailed Estimate

OD/369/3541/120990/409551/00074749 : CONSTRUCTION OF KATAPADA NILAKANTHESWAR MANDAP

Block : Kanas, Gram Panchayat : Trilochanapur

Created By: JAGANNATH ROUT

| 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 fdn | 4.000 | 1.200 | 1.200 | 1.200 | 0.000 | 6.912 | - |
| ii | L/W | 2.000 | 6.300 | 0.800 | 0.750 | 0.000 | 7.560 | - |
| iii | s/w | 2.000 | 3.200 | 0.800 | 0.750 | 0.000 | 3.840 | - |
| iv | ded col | 4.000 | 1.200 | 0.800 | 0.750 | 0.000 | - | 2.880 |
| Total Quantity | | | | | 15.432 cum (cum) | | 15.432 Cum (Cubic Meter) | |
| Amount | | | | | 15.432 X 240.77592 | | 3715.65 | |
| 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 fdn | 4.000 | 1.200 | 1.200 | 0.150 | 0.000 | 0.864 | - |
| ii | L/W | 2.000 | 6.300 | 0.800 | 0.150 | 0.000 | 1.512 | - |
| iii | s/w | 2.000 | 3.200 | 0.800 | 0.150 | 0.000 | 0.768 | - |
| iv | ded col | 4.000 | 1.200 | 0.800 | 0.150 | 0.000 | - | 0.576 |
| v | plinth | 1.000 | 5.200 | 3.700 | 0.300 | 0.000 | 5.772 | - |
| Total Quantity | | | | | 8.34 cum (cum) | | 8.34 Cum (Cubic Meter) | |

| Amount | | | | | 8.34 X 999.559832 | 8336.33 | | |
|--|---------------------|-------|-------|-------|------------------------------|-----------------|-------------------------|-----------|
| 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 fdn | 4.000 | 1.200 | 1.200 | 0.150 | 0.000 | 0.864 | - |
| ii | L/W | 2.000 | 6.300 | 0.800 | 0.150 | 0.000 | 1.512 | - |
| iii | s/w | 2.000 | 3.200 | 0.800 | 0.150 | 0.000 | 0.768 | - |
| iv | ded col | 4.000 | 1.200 | 0.800 | 0.150 | 0.000 | - | 0.576 |
| v | plinth | 1.000 | 5.200 | 3.700 | 0.100 | 0.000 | 1.924 | - |
| Total Quantity | | | | | 4.492 cum (cum) | | 4.492 Cum (Cubic Meter) | |
| Amount | | | | | 4.492 X 5925.13727146 | 26615.72 | | |
| 4. 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 | 1st footing | 2.000 | 6.000 | 0.500 | 0.200 | 0.000 | 1.200 | - |
| ii | S/W | 2.000 | 3.500 | 0.500 | 0.200 | 0.000 | 0.700 | - |
| iii | ded column | 4.000 | 0.300 | 0.500 | 0.200 | 0.000 | - | 0.120 |
| iv | 2nd footing. L/W | 2.000 | 5.800 | 0.300 | 0.800 | 0.000 | 2.784 | - |
| v | S/W | 2.000 | 3.700 | 0.300 | 0.800 | 0.000 | 1.776 | - |
| vi | ded column | 4.000 | 0.300 | 0.300 | 0.800 | 0.000 | - | 0.288 |
| Total Quantity | | | | | 6.052 cum (cum) | | 6.052 Cum (Cubic Meter) | |

| Amount | | 6.052 X 5658.122447128 | | | | | 34242.96 | |
|---|-------------|------------------------------------|-------|-------|-----------------|-------|-------------------------|-----------|
| 5. 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.) | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Col fdn | 4.000 | 1.200 | 1.200 | 0.300 | 0.000 | 1.728 | - |
| ii | | 4.000 | 0.900 | 0.900 | 0.450 | 0.000 | 1.458 | - |
| iii | col upto pl | 4.000 | 0.300 | 0.300 | 0.600 | 0.000 | 0.216 | - |
| Total Quantity | | | | | 3.402 cum (cum) | | 3.402 Cum (Cubic Meter) | |
| Amount | | 3.402 X 6443.4953163563 | | | | | 21920.77 | |
| 6. 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) | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Plinth beam | 2.000 | 5.800 | 0.300 | 0.200 | 0.000 | 0.696 | - |
| ii | | 2.000 | 3.700 | 0.300 | 0.200 | 0.000 | 0.444 | - |
| iii | ded. col | 4.000 | 0.300 | 0.300 | 0.200 | 0.000 | - | 0.072 |
| Total Quantity | | | | | 1.068 cum (cum) | | 1.068 Cum (Cubic Meter) | |
| Amount | | 1.068 X 7200.8695626844 | | | | | 7690.53 | |
| 7. 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)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|---------------|-------|-------|-------|-------------------------------|-------|----------------------------|-----------|
| i | Roof beam | 2.000 | 7.800 | 0.250 | 0.200 | 0.000 | 0.780 | - |
| ii | | 4.000 | 3.700 | 0.250 | 0.225 | 0.000 | 0.833 | - |
| iii | col | 6.000 | 0.250 | 0.250 | 3.000 | 0.000 | 1.125 | - |
| iv | ded. for col. | 6.000 | 0.250 | 0.250 | 0.225 | 0.000 | - | 0.084 |
| Total Quantity | | | | | 2.653125 cum (cum) | | 2.653125 Cum (Cubic Meter) | |
| Amount | | | | | 2.653125 X 14503.184836811 | | 38478.76 | |

8. 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)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|-------|---------------------------|-------|------------------------|-----------|
| i | Roof slab | 1.000 | 9.600 | 5.400 | 0.125 | 0.000 | 6.480 | - |
| Total Quantity | | | | | 6.48 cum (cum) | | 6.48 Cum (Cubic Meter) | |
| Amount | | | | | 6.48 X 12751.237671774 | | 82628.02 | |

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

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.

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|--------|-------|-------|---------------------|-------|---------------------|-----------|
| i | | 12.700 | 0.000 | 0.000 | 0.000 | 0.000 | 12.700 | - |
| Total Quantity | | | | | 12.7 Qntl (Quintal) | | 12.7 Qntl (Quintal) | |

| Amount | | | | | 12.7 X 7953.448818 | 101008.80 | | |
|--|-------------|-------|-------|-------|-----------------------------------|------------------|--------------------------|-----------|
| 10. 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 | | 1.000 | 9.600 | 5.400 | 0.000 | 0.000 | 51.840 | - |
| Total Quantity | | | | | 51.84 Sqm (Sqm) | | 51.84 Sqm (Square Meter) | |
| Amount | | | | | 51.84 X 361.1164048692 | | 18720.27 | |
| 11. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) | | | | | | | | |
| Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | floor | 1.000 | 7.800 | 4.200 | 0.000 | 0.000 | 32.760 | - |
| Total Quantity | | | | | 32.76 Sqm (Sqm) | | 32.76 Sqm (Square Meter) | |
| Amount | | | | | 32.76 X 1538.111298336 | | 50388.53 | |
| Total Amount | | | | | | | 393746.34 | |
| Addition | | | | | | | | |
| Provision for survey investigation and quality control (+) @ | | | | | | | | |
| Display Citizen Board (+) @ | | | | | | | 5000.00 | |
| Provision for Contingency (+) @ | | | | | | | 1253.00 | |
| Provision for EI Work (+) @ | | | | | | | | |
| Provision for PH Work (+) @ | | | | | | | | |

| | |
|-------------------------------|------------------|
| Any Other Lumpsum (+) @ | |
| Total Addition | 6253.00 |
| Grand Net Total Amount | 399999.34 |

JAGANNATH ROUT
JE
Kanas Block

SASWAT KUMAR SENAPATI
AEE
Kanas Block

SOUMYA RANJAN SWAIN
BDO
Kanas Block