

Detailed Estimate

OD/356/3401/275216/400817/00067200 : repair and maintenance of Ochninda primary school

Block : Korei, Gram Panchayat : Patharapada

Created By:Smitasri Dash

| 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 | column | 6.000 | 1.200 | 1.200 | 1.200 | 0.000 | 10.368 | - |
| ii | wall | 4.000 | 2.180 | 0.600 | 0.600 | 0.000 | 3.139 | - |
| iii | wall | 2.000 | 2.810 | 0.600 | 0.600 | 0.000 | 2.023 | - |
| Total Quantity | | | | | 15.5304 cum (cum) | | 15.5304 Cum (Cubic Meter) | |
| Amount | | | | | 15.5304 X 240.77592 | | 3739.35 | |
| 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 | column | 6.000 | 1.200 | 1.200 | 0.150 | 0.000 | 1.296 | - |
| ii | wall | 4.000 | 3.120 | 0.600 | 0.100 | 0.000 | 0.749 | - |
| iii | wall | 2.000 | 3.760 | 0.600 | 0.100 | 0.000 | 0.451 | - |
| Total Quantity | | | | | 2.496 cum (cum) | | 2.496 Cum (Cubic Meter) | |
| Amount | | | | | 2.496 X 817.598232 | | 2040.73 | |
| 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 | column | 6.000 | 1.200 | 1.200 | 0.150 | 0.000 | 1.296 | - |
| ii | wall | 4.000 | 3.120 | 0.600 | 0.100 | 0.000 | 0.749 | - |
| iii | wall | 2.000 | 3.760 | 0.600 | 0.100 | 0.000 | 0.451 | - |
| Total Quantity | | | | | 2.496 cum (cum) | | 2.496 Cum (Cubic Meter) | |
| Amount | | | | | 2.496 X 6009.54804166 | | 14999.83 | |

4. 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 | column Base | 6.000 | 1.200 | 1.200 | 0.300 | 0.000 | 2.592 | - |
| ii | column upto plinth | 6.000 | 0.380 | 0.380 | 0.600 | 0.000 | 0.520 | - |
| Total Quantity | | | | | 3.11184 cum (cum) | | 3.11184 Cum (Cubic Meter) | |
| Amount | | | | | 3.11184 X 6546.9304272047 | | 20373.00 | |

5. 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 | grade beam | 2.000 | 7.010 | 0.250 | 0.300 | 0.000 | 1.052 | - |

| ii | | 2.000 | 3.760 | 0.250 | 0.300 | 0.000 | 0.564 | - |
|---|-------------|-------|-------|-------|------------------------------|-------|---------------------------|-----------|
| Total Quantity | | | | | 1.6155 cum (cum) | | 1.6155 Cum (Cubic Meter) | |
| Amount | | | | | 1.6155 X 7303.7525523464 | | 11799.21 | |
| 6. 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 | column | 6.000 | 0.250 | 0.300 | 3.050 | 0.000 | 1.373 | - |
| ii | beam | 2.000 | 7.010 | 0.250 | 0.250 | 0.000 | 0.876 | - |
| iii | | 2.000 | 3.760 | 0.250 | 0.250 | 0.000 | 0.470 | - |
| iv | | 1.000 | 3.760 | 0.250 | 0.250 | 0.000 | 0.235 | - |
| Total Quantity | | | | | 2.95375 cum (cum) | | 2.95375 Cum (Cubic Meter) | |
| Amount | | | | | 2.95375 X 14602.683814525 | | 43132.68 | |
| 7. 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 | rod | 6.953 | 0.000 | 0.000 | 0.000 | 0.880 | 6.119 | - |
| Total Quantity | | | | | 6.11864 Qntl (Quintal) | | 6.11864 Qntl (Quintal) | |
| Amount | | | | | 6.11864 X 8429.867838 | | 51579.33 | |
| Total Amount | | | | | | | 147664.12 | |
| Addition | | | | | | | | |

| | |
|--|------------------|
| Provision for PH Work (+) @ | |
| Provision for EI Work (+) @ | |
| Provision for Contingency (+) @ | 738.32 |
| Display Citizen Board (+) @ | 1597.00 |
| Any Other Lumpsum (+) @ | |
| Provision for survey investigation and quality control (+) @ | |
| Total Addition | 2335.32 |
| Grand Net Total Amount | 149999.44 |

Smitasri Dash
JE
Korei Block

SWAGAT KUMAR DASH
AEE
Korei Block

Abanikanta Sahoo
BDO
Korei Block