

Detailed Estimate

**OD/365/3501/120265/388334/00074443 : Improvement of Play field at Jaypur Janumghutu in Jaypur G.P. under
Kusumi Block**

Block : Kusumi, Gram Panchayat : Jaipur

Created By: Nagirani Murmu

| 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 | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Column | 16.000 | 1.000 | 1.000 | 1.000 | 0.000 | 16.000 | - |
| Total Quantity | | | | | 16 cum (cum) | | 16 Cum (Cubic Meter) | |
| Amount | | | | | 16 X 240.77592 | | 3852.41 | |
| 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. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | column | 16.000 | 1.000 | 1.000 | 0.100 | 0.000 | 1.600 | - |
| Total Quantity | | | | | 1.6 cum (cum) | | 1.6 Cum (Cubic Meter) | |
| Amount | | | | | 1.6 X 956.665132 | | 1530.66 | |
| 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 | 16.000 | 1.000 | 1.000 | 0.150 | 0.000 | 2.400 | - |
| ii | stage | 1.000 | 4.870 | 5.100 | 0.100 | 0.000 | 2.484 | - |

| | | | | | | | | |
|--|-------------|-----------------------|--------|--------------------------|-------|--------|----------|-----------|
| Total Quantity | | 4.8837 cum (cum) | | 4.8837 Cum (Cubic Meter) | | | | |
| Amount | | 4.8837 X 6114.2111743 | | 29859.97 | | | | |
| 4. 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. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | column | 64.000 | 0.250 | 0.000 | 1.200 | 0.000 | 19.200 | - |
| Total Quantity | | 19.2 Sqm (Sqm) | | 19.2 Sqm (Square Meter) | | | | |
| Amount | | 19.2 X 194.363678254 | | 3731.78 | | | | |
| 5. Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm | | | | | | | | |
| Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm ² with dimensional tolerance \pm 8 percent in cement mortar (1:3) in foundation and plinth | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | wall | 1.000 | 15.000 | 0.250 | 1.200 | 0.000 | 4.500 | - |
| Total Quantity | | 4.5 cum (cum) | | 4.5 Cum (Cubic Meter) | | | | |
| Amount | | 4.5 X 5691.8924811 | | 25613.52 | | | | |
| 6. 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 | hysd bar | 1.000 | 0.000 | 0.000 | 0.000 | 13.750 | 13.750 | - |
| Total Quantity | | 13.75 Qntl (Quintal) | | 13.75 Qntl (Quintal) | | | | |
| Amount | | 13.75 X 8435.1837104 | | 115983.78 | | | | |

7. 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 | column footing | 16.000 | 1.000 | 1.000 | 0.250 | 0.000 | 4.000 | - |
| ii | 2nd footing | 16.000 | 0.600 | 0.600 | 0.250 | 0.000 | 1.440 | - |
| iii | 3rd footing | 16.000 | 0.300 | 0.300 | 0.300 | 0.000 | 0.432 | - |
| Total Quantity | | | | | 5.872 cum (cum) | | 5.872 Cum (Cubic Meter) | |
| Amount | | | | | 5.872 X 6715.8337465775 | | 39435.38 | |

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)

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|--------|-------|-------|-----------------------------|-------|--------------------------|-----------|
| i | column | 16.000 | 0.250 | 0.250 | 1.250 | 0.000 | 1.250 | - |
| ii | beam | 4.000 | 5.100 | 0.250 | 0.150 | 0.000 | 0.765 | - |
| iii | beam | 4.000 | 4.870 | 0.250 | 0.150 | 0.000 | 0.731 | - |
| Total Quantity | | | | | 2.7455 cum (cum) | | 2.7455 Cum (Cubic Meter) | |
| Amount | | | | | 2.7455 X 14771.587133897 | | 40555.39 | |

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 | slab | 2.000 | 4.870 | 5.180 | 0.125 | 0.000 | 6.307 | - |
| Total Quantity | | | | | 6.30665 cum (cum) | | 6.30665 Cum (Cubic Meter) | |
| Amount | | | | | 6.30665 X 13017.718150968 | | 82098.19 | |

10. 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 | steps rise | 9.000 | 7.010 | 0.300 | 0.000 | 0.000 | 18.927 | - |
| ii | Trade | 9.000 | 7.010 | 0.200 | 0.000 | 0.000 | 12.618 | - |
| Total Quantity | | | | | 31.545 Sqm (Sqm) | | 31.545 Sqm (Square Meter) | |
| Amount | | | | | 31.545 X 1547.996982396 | | 48831.56 | |

11. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|-------|------------------------|-------|--------------------------|-----------|
| i | floor | 1.000 | 17.000 | 5.480 | 0.000 | 0.000 | 93.160 | - |
| Total Quantity | | | | | 93.16 Sqm (Sqm) | | 93.16 Sqm (Square Meter) | |
| Amount | | | | | 93.16 X 1071.293068161 | | 99801.66 | |
| Total Amount | | | | | | | 491294.31 | |

| Addition | |
|--|------------------|
| Provision for PH Work (+) @ | |
| Provision for EI Work (+) @ | |
| Provision for Contingency (+) @ | 5000.00 |
| Display Citizen Board (+) @ | 3705.00 |
| Any Other Lumpsum (+) @ | |
| Provision for survey investigation and quality control (+) @ | |
| Total Addition | 8705.00 |
| Grand Net Total Amount | 499999.31 |

Nagirani Murmu
JE
Kusumi Block

Debalita Samad
AEE
Kusumi Block

SHIV SHANKAR MURMU
BDO
Kusumi Block