

Detailed Estimate

**OD/361/3450/119413/385568/00070904 : TOILET REPAIRING, ACR GRADING, FLOORING & COLORING AT GOVT.PS
DHIPASAH I ASANPAT**

Block : Jhumpura, Gram Panchayat : Asanpat

Created By: Ajay Kumar Behera

| 1. Dismantling (AR1621) : Removing old grading plaster from roof | | | | | | | | |
|--|----------------|-------|--------|--------|--------------------------------|-------|----------------------------------|-----------|
| Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge. | | | | | | | | |
| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Classroom Slab | 1.000 | 25.330 | 27.660 | 0.000 | 0.000 | 700.628 | - |
| Total Quantity | | | | | 700.6278 Sft (Square Foot) | | 65.0904245034 Sqm (Square Meter) | |
| Amount | | | | | 65.0904245034 X 77.77 | | 5062.08 | |
| 2. Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) | | | | | | | | |
| 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work) | | | | | | | | |
| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Classroom Slab | 1.000 | 25.330 | 27.660 | 0.000 | 0.000 | 700.628 | - |
| Total Quantity | | | | | 700.6278 Sft (Square Foot) | | 65.0904245034 Sqm (Square Meter) | |
| Amount | | | | | 65.0904245034 X 776.0838742146 | | 50515.63 | |
| 3. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring | | | | | | | | |
| Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge. | | | | | | | | |
| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Toilet | 2.000 | 4.000 | 5.000 | 0.000 | 0.000 | 40.000 | - |

| | | | | | | | | |
|----------------|-----------------|-------|--------|-------|------------------------------|-------|----------------------------|---|
| ii | Toilet Verandah | 1.000 | 10.000 | 4.000 | 0.000 | 0.000 | 40.000 | - |
| Total Quantity | | | | | 80 Sft (Square Foot) | | 7.43224 Sqm (Square Meter) | |
| Amount | | | | | 7.43224 X 100.34838709677 | | 745.81 | |

4. Dismantling (AR1613) : Removing old lime or cement plaster

Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|----------------------|-------|--------|-------|--------------------------------|-------|------------------------------|-----------|
| i | Toilet Wall | 2.000 | 18.000 | 0.000 | 3.000 | 0.000 | 108.000 | - |
| ii | Toilet Verandah wall | 1.000 | 10.000 | 0.000 | 3.000 | 0.000 | 30.000 | - |
| iii | Door | 4.000 | 2.500 | 0.000 | 3.000 | 0.000 | - | 30.000 |
| Total Quantity | | | | | 108 Sft (Square Foot) | | 10.033524 Sqm (Square Meter) | |
| Amount | | | | | 10.033524 X 50.174193548387 | | 503.42 | |

5. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|----------------------|-------|--------|-------|------------------------------|-------|----------------------------|-----------|
| i | Toilet Floor | 2.000 | 4.000 | 5.000 | 0.000 | 0.000 | 40.000 | - |
| ii | Toilet Verandah Wall | 1.000 | 10.000 | 4.000 | 0.000 | 0.000 | 40.000 | - |
| Total Quantity | | | | | 80 Sft (Square Foot) | | 7.43224 Sqm (Square Meter) | |
| Amount | | | | | 7.43224 X 1216.4978517456 | | 9041.30 | |

6. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|----------------------|-------|--------|-------|------------------------------|-------|------------------------------|-----------|
| i | Toilet Wall | 2.000 | 18.000 | 0.000 | 3.000 | 0.000 | 108.000 | - |
| ii | Toilet Verandah wall | 1.000 | 10.000 | 0.000 | 3.000 | 0.000 | 30.000 | - |
| iii | Door | 4.000 | 2.500 | 0.000 | 3.000 | 0.000 | - | 30.000 |
| Total Quantity | | | | | 108 Sft (Square Foot) | | 10.033524 Sqm (Square Meter) | |
| Amount | | | | | 10.033524 X 902.209198946 | | 9052.34 | |

7. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

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.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|--------|-------|--------------------------------|-------|------------------------------|-----------|
| i | Septic tank | 1.000 | 28.000 | 0.830 | 5.000 | 0.000 | 116.200 | - |
| Total Quantity | | | | | 116.2 Cft (Cubic Foot) | | 3.29041216 Cum (Cubic Meter) | |
| Amount | | | | | 3.29041216 X 5603.534072976 | | 18437.94 | |

8. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|-------|-------------|----|---|---|---|----|----------|-----------|
|-------|-------------|----|---|---|---|----|----------|-----------|

| | | | | | | | | |
|---|------------------|-------|--------|-------|--------------------------------|-------|-------------------------------|-----------|
| i | Septic tank | 1.000 | 24.660 | 0.000 | 5.000 | 0.000 | 123.300 | - |
| Total Quantity | | | | | 123.3 Sft (Square Foot) | | 11.4549399 Sqm (Square Meter) | |
| Amount | | | | | 11.4549399 X 179.1497939764 | | 2052.15 | |
| 9. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). | | | | | | | | |
| Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Septic tank Slab | 1.000 | 8.000 | 6.000 | 0.250 | 0.000 | 12.000 | - |
| Total Quantity | | | | | 12 Cft (Cubic Foot) | | 0.3398016 Cum (Cubic Meter) | |
| Amount | | | | | 0.3398016 X 13220.186975838 | | 4492.24 | |
| 10. 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 | Reinforcement | 0.800 | 0.340 | 0.000 | 0.000 | 0.000 | 0.272 | - |
| Total Quantity | | | | | 0.272 Qntl (Quintal) | | 0.272 Qntl (Quintal) | |
| Amount | | | | | 0.272 X 9267.2761797 | | 2520.70 | |
| 11. Painting (AR0920bk) : Finishing wall two coats with plastic emulsion paint of approved shades with one coat water bound Primer on new work (Inside)(For repair and maintenance) . | | | | | | | | |
| Finishing wall two coats with plastic emulsion paint of approved shades with one coat waterbound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance). | | | | | | | | |

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-----------------|-------|--------|-------|---------------------------------|-------|-------------------------------|-----------|
| i | Toilet Wall | 1.000 | 18.000 | 0.000 | 5.000 | 0.000 | 90.000 | - |
| ii | Toilet Verandah | 1.000 | 10.000 | 0.000 | 5.000 | 0.000 | 50.000 | - |
| iii | Class room | 2.000 | 22.000 | 0.000 | 10.000 | 0.000 | 440.000 | - |
| iv | | 2.000 | 16.000 | 0.000 | 10.000 | 0.000 | 320.000 | - |
| v | Door | 2.000 | 4.000 | 0.000 | 7.000 | 0.000 | - | 56.000 |
| vi | | 2.000 | 2.500 | 0.000 | 5.500 | 0.000 | - | 27.500 |
| Total Quantity | | | | | 816.5 Sft (Square Foot) | | 75.8552995 Sqm (Square Meter) | |
| Amount | | | | | 75.8552995 X 168.26612041578 | | 12763.88 | |

12. Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).

Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------------------|-------|--------|-------|--------------------------------|-------|-------------------------------|-----------|
| i | Toilet Wall outside | 1.000 | 11.000 | 0.000 | 8.000 | 0.000 | 88.000 | - |
| ii | | 2.000 | 7.000 | 0.000 | 8.000 | 0.000 | 112.000 | - |
| iii | Class room Wall outside | 2.000 | 24.330 | 0.000 | 10.000 | 0.000 | 486.600 | - |
| iv | | 2.000 | 17.330 | 0.000 | 10.000 | 0.000 | 346.600 | - |
| v | Door | 2.000 | 4.000 | 0.000 | 7.000 | 0.000 | - | 56.000 |
| vi | | 2.000 | 2.500 | 0.000 | 5.500 | 0.000 | - | 27.500 |
| Total Quantity | | | | | 949.7 Sft (Square Foot) | | 88.2299791 Sqm (Square Meter) | |
| Amount | | | | | 88.2299791 X 163.1982441104 | | 14398.98 | |

13. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface

Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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 | Door | 2.000 | 2.250 | 4.000 | 7.000 | 0.000 | 126.000 | - |
| ii | | 2.000 | 2.250 | 2.500 | 5.500 | 0.000 | 61.875 | - |
| iii | Window | 2.000 | 2.750 | 3.500 | 4.000 | 0.000 | 77.000 | - |
| Total Quantity | | | | | 264.875 Sft (Square Foot) | | 24.607682125 Sqm (Square Meter) | |
| Amount | | | | | 24.607682125 X 230.38645018253 | | 5669.28 | |
| Total Amount | | | | | | | 135255.75 | |
| Addition | | | | | | | | |
| Provision for PH Work (+) @ | | | | | | | 12000.00 | |
| Provision for EI Work (+) @ | | | | | | | | |
| Provision for Contingency (+) @ | | | | | | | 1352.56 | |
| Display Citizen Board (+) @ | | | | | | | 1391.69 | |
| Any Other Lumpsum (+) @ | | | | | | | | |
| Provision for survey investigation and quality control (+) @ | | | | | | | | |
| Total Addition | | | | | | | 14744.25 | |
| Grand Net Total Amount | | | | | | | 150000.00 | |

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