

## Detailed Estimate

**OD/361/3450/119432/385640/00071039 : TOILET REPAIRING, FLOORING & COLORING AT BARHAPASI UP SCHOOL**

**Block : Jhumpura, Gram Panchayat : Tukudiha**

**Created By: SOUMYA SUCHARITA MAHARANA**

<b>1. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.</b>								
Dismantling brick or stone masonry in lime or cement mortar under 3m. height 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	Boundary wall	1.000	60.000	0.830	2.000	0.000	99.600	-
Total Quantity					99.6 Cft (Cubic Foot)		2.82035328 Cum (Cubic Meter)	
Amount					2.82035328 X 1401.5088339223		3952.75	
<b>2. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	5.000	3.000	3.000	3.000	0.000	135.000	-
ii	Wall	1.000	60.000	2.000	2.500	0.000	300.000	-
iii	Column	5.000	3.000	2.000	2.500	0.000	-	75.000
Total Quantity					360 Cft (Cubic Foot)		10.194048 Cum (Cubic Meter)	
Amount					10.194048 X 240.77592		2454.48	
<b>3. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	5.000	3.000	3.000	0.500	0.000	22.500	-
ii	Wall	1.000	60.000	2.000	0.330	0.000	39.600	-
iii	Column	5.000	0.830	0.830	0.330	0.000	-	1.137
Total Quantity					60.963315 Cft (Cubic Foot)		1.726285998192 Cum (Cubic Meter)	
Amount					1.726285998192 X 847.251832		1462.60	

#### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	5.000	3.000	3.000	0.500	0.000	22.500	-
ii	Wall	1.000	60.000	2.000	0.330	0.000	39.600	-
iii	Column	5.000	0.830	0.830	0.330	0.000	-	1.137
Total Quantity					60.963315 Cft (Cubic Foot)		1.726285998192 Cum (Cubic Meter)	
Amount					1.726285998192 X 6447.63938774		11130.47	

#### 5. 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/cm<sup>2</sup> 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	60.000	1.660	0.750	0.000	74.700	-
ii		1.000	60.000	1.250	1.250	0.000	93.750	-

iii	Column	5.000	0.830	0.830	2.000	0.000	-	6.889
Total Quantity					161.561 Cft (Cubic Foot)		4.5748905248 Cum (Cubic Meter)	
Amount					4.5748905248 X 5497.119408032		25148.72	
<b>6. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance $\pm 8$ 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	60.000	0.830	4.000	0.000	199.200	-
ii	Coping	1.000	60.000	1.250	0.330	0.000	24.750	-
iii	Column	5.000	0.830	0.830	4.000	0.000	-	13.778
Total Quantity					210.172 Cft (Cubic Foot)		5.9513984896 Cum (Cubic Meter)	
Amount					5.9513984896 X 5530.449408032		32913.91	
<b>7. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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 Base	5.000	3.000	3.000	0.500	0.000	22.500	-
ii		5.000	2.000	2.000	0.500	0.000	10.000	-
Total Quantity					32.5 Cft (Cubic Foot)		0.920296 Cum (Cubic Meter)	

<b>Amount</b>						<b>0.920296 X 6952.6990100863</b>	<b>6398.54</b>	
<b>8. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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	1.000	60.000	0.830	0.830	0.000	41.334	-
Total Quantity					41.334 Cft (Cubic Foot)		1.1704466112 Cum (Cubic Meter)	
<b>Amount</b>						<b>1.1704466112 X 7709.521135228</b>	<b>9023.58</b>	
<b>9. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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 upto plinth	5.000	0.830	0.830	1.250	0.000	4.306	-
ii	Column above Plinth	5.000	0.830	0.830	5.000	0.000	17.223	-
Total Quantity					21.528125 Cft (Cubic Foot)		0.60960761 Cum (Cubic Meter)	
<b>Amount</b>						<b>0.60960761 X 15008.452397406</b>	<b>9149.27</b>	
<b>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</b>								
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	0.900	2.700	0.000	0.000	0.000	2.430	-
Total Quantity					2.43 Qntl (Quintal)		2.43 Qntl (Quintal)	
Amount					2.43 X 9267.2761797		22519.48	
<b>11. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside</b>								
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	Wall	2.000	60.000	0.000	4.000	0.000	480.000	-
ii	Plinth	2.000	60.000	0.000	1.160	0.000	139.200	-
iii	Coping	1.000	60.000	0.920	0.000	0.000	55.200	-
Total Quantity					674.4 Sft (Square Foot)		62.6537832 Sqm (Square Meter)	
Amount					62.6537832 X 179.0229176148		11216.46	
<b>12. Painting (AR0918h) : 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).</b>								
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	60.000	0.000	4.000	0.000	480.000	-
ii	Plinth	2.000	60.000	0.000	1.160	0.000	139.200	-
iii	Coping	1.000	60.000	0.920	0.000	0.000	55.200	-
Total Quantity					674.4 Sft (Square Foot)		62.6537832 Sqm (Square Meter)	
Amount					62.6537832 X 160.76701381363		10072.66	

<b>Total Amount</b>	<b>145442.92</b>
<b>Addition</b>	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	1454.43
Display Citizen Board (+) @	3102.64
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>4557.07</b>
<b>Grand Net Total Amount</b>	<b>149999.99</b>

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