

Detailed Estimate

OD/346/3305/116236/393296/00071190 : repair and renovation of baunsapal ugupl school

Block : Nilgiri, Gram Panchayat : Dharampur

Created By: BABITA BEHERA

1. Dismantling (AR1624) : Dismantling and removing R.C.C. columns beams slab staircase landing lintels								
Dismantling and removing R.C.C. columns beams slab staircase landing lintels including stacking the useful materials for reuse 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	lintel	4.000	5.660	0.830	0.500	0.000	9.396	-
Total Quantity					9.3956 Cft (Cubic Foot)		0.26605332608 Cum (Cubic Meter)	
Amount					0.26605332608 X 1475.61		392.59	
2. Dismantling (AR1625) : Dismantling and removing R.C.C. Chajja, Shelves, fins and parapet								
Dismantling and removing R.C.C. Chajja, Shelves, fins and parapet including stacking the useful materials for reuse 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	window chajja	4.000	6.660	2.000	0.000	0.000	53.280	-
Total Quantity					53.28 Sft (Square Foot)		4.94987184 Sqm (Square Meter)	
Amount					4.94987184 X 175.60967741935		869.25	
3. R.C.C. Work (AR0404Ad) : 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 Lintels)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	4.000	5.660	0.830	0.500	0.000	9.396	-

Total Quantity	9.3956 Cft (Cubic Foot)	0.26605332608 Cum (Cubic Meter)
Amount	0.26605332608 X 13466.086706971	3582.70

4. 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	window chajja	4.000	6.660	2.000	0.250	0.000	13.320	-
Total Quantity					13.32 Cft (Cubic Foot)		0.377179776 Cum (Cubic Meter)	
Amount					0.377179776 X 13103.686882831		4942.45	

5. 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	room no-1	2.000	22.000	8.500	0.000	0.000	374.000	-
ii		2.000	16.000	8.500	0.000	0.000	272.000	-
iii	door	1.000	3.500	6.500	0.000	0.000	-	22.750
iv	window	2.000	5.000	4.000	0.000	0.000	-	40.000
Total Quantity					583.25 Sft (Square Foot)		54.18567475 Sqm (Square Meter)	
Amount					54.18567475 X 50.174193548387		2718.72	

6. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (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	Room No-1	2.000	22.000	8.500	0.000	0.000	374.000	-
ii		2.000	16.000	8.500	0.000	0.000	272.000	-
iii	door	1.000	3.500	6.500	0.000	0.000	-	22.750
iv		2.000	5.000	4.000	0.000	0.000	-	40.000
Total Quantity					583.25 Sft (Square Foot)		54.18567475 Sqm (Square Meter)	
Amount					54.18567475 X 250.19537594		13557.01	

7. 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	window chajja	4.000	6.660	2.000	0.000	2.000	106.560	-
Total Quantity					106.56 Sft (Square Foot)		9.89974368 Sqm (Square Meter)	
Amount					9.89974368 X 191.712917296		1897.91	

8. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	22.000	8.500	0.000	0.000	374.000	-
ii		2.000	16.000	8.500	0.000	0.000	272.000	-

iii		2.000	22.000	9.500	0.000	0.000	418.000	-
iv		2.000	16.000	9.500	0.000	0.000	304.000	-
v	window chajja	4.000	6.660	4.250	0.000	0.000	113.220	-
vi	door	3.000	3.500	0.000	6.500	0.000	-	68.250
vii	window	4.000	5.000	0.000	4.000	0.000	-	80.000
viii	ceiling	2.000	22.000	16.000	0.000	0.000	704.000	-
Total Quantity					2036.97 Sft (Square Foot)		189.24062391 Sqm (Square Meter)	
Amount					189.24062391 X 71.83248932951		13593.63	

9. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	22.000	0.000	8.500	0.000	374.000	-
ii		2.000	16.000	0.000	8.500	0.000	272.000	-
iii		2.000	22.000	0.000	9.500	0.000	418.000	-
iv		2.000	16.000	0.000	9.500	0.000	304.000	-
v	ceiling	2.000	22.000	16.000	0.000	0.000	704.000	-
vi	door	3.000	3.500	0.000	6.500	0.000	-	68.250
vii	window	4.000	5.000	0.000	4.000	0.000	-	80.000
viii	window chajja	4.000	6.660	4.250	0.000	0.000	113.220	-
Total Quantity					2036.97 Sft (Square Foot)		189.24062391 Sqm (Square Meter)	
Amount					189.24062391 X 94.7526285875		17931.05	

10. 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	window	4.000	5.000	0.000	4.000	2.250	180.000	-
ii	Door	3.000	3.500	0.000	6.500	2.000	136.500	-
Total Quantity					316.5 Sft (Square Foot)		29.4037995 Sqm (Square Meter)	
Amount					29.4037995 X 230.34345832053		6772.97	

11. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	1.000	22.000	16.000	0.000	0.000	352.000	-
ii		1.000	3.500	0.830	0.000	0.000	2.905	-
Total Quantity					354.905 Sft (Square Foot)		32.971739215 Sqm (Square Meter)	
Amount					32.971739215 X 100.34838709677		3308.66	

12. 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		2.000	22.000	0.000	1.500	0.000	66.000	-
ii		2.000	16.000	0.000	1.500	0.000	48.000	-
iii		1.000	3.500	1.500	0.000	0.000	-	5.250

Total Quantity	108.75 Sft (Square Foot)	10.10320125 Sqm (Square Meter)
Amount	10.10320125 X 1535.339484131	15511.84

13. Other Building Items. (AR1901B) : First floor

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory 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 materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	22.000	16.000	0.000	0.000	352.000	-
ii		0.000	3.500	0.830	0.000	0.000	2.905	-
Total Quantity					354.905 Sft (Square Foot)		32.971739215 Sqm (Square Meter)	
Amount					32.971739215 X 1028.468098965		33910.38	

14. 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		8.000	5.410	0.000	0.000	0.001	0.052	-
ii		48.000	2.580	0.000	0.000	0.001	0.149	-
iii		20.000	6.410	0.000	0.000	0.001	0.154	-
Total Quantity					0.3555534672 Qntl (Quintal)		0.3555534672 Qntl (Quintal)	
Amount					0.3555534672 X 8440.5169649		3001.06	

15. 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		0.000	21.660	19.500	0.000	0.000	422.370	-
Total Quantity					422.37 Sft (Square Foot)		39.23944011 Sqm (Square Meter)	
Amount					39.23944011 X 361.802623594		14196.93	
Total Amount							136187.13	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							1500.00	
Display Citizen Board (+) @							500.00	
Any Other Lumpsum (+) @							11812.86	
Provision for survey investigation and quality control (+) @								
Total Addition							13812.86	
Grand Net Total Amount							149999.99	

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