

Detailed Estimate

OD/373/3584/121693/383707/00070895 : Repair & Maintenance of Primary School, Chhatenpali
Block : Lephripara, Gram Panchayat : Chhatenpali
Created By:Radhashyam Das

1. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step	1.000	2.000	0.300	0.150	0.000	0.090	-
Total Quantity					0.09 cum (cum)		0.09 Cum (Cubic Meter)	
Amount					0.09 X 1401.5088339223		126.14	
2. 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	6.800	3.700	0.000	0.000	25.160	-
ii	Ver	1.000	7.300	1.750	0.000	0.000	12.775	-
iii	Step	1.000	2.000	1.200	0.000	0.000	2.400	-
Total Quantity					40.335 Sqm (Sqm)		40.335 Sqm (Square Meter)	
Amount					40.335 X 100.34838709677		4047.55	
3. 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	Outer	2.000	7.300	2.500	0.000	0.000	36.500	-

ii	Outer	2.000	6.200	2.500	0.000	0.000	31.000	-	
iii	Inside	2.000	6.800	1.500	0.000	0.000	20.400	-	
iv	Inside	2.000	3.700	1.500	0.000	0.000	11.100	-	
v	Ver	2.000	6.800	1.500	0.000	0.000	20.400	-	
vi	Ver	2.000	1.750	1.500	0.000	0.000	5.250	-	
Total Quantity					124.65 Sqm (Sqm)		124.65 Sqm (Square Meter)		
Amount					124.65 X 50.174193548387		6254.21		
4. Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof									
Dismantling and removing 2.5 cm thick grading concrete 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	Slab	1.000	7.600	6.500	0.000	0.000	49.400	-	
Total Quantity					49.4 Sqm (Sqm)		49.4 Sqm (Square Meter)		
Amount					49.4 X 112.89193548387		5576.86		
5. 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.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Chajja	1.000	7.300	0.450	0.000	0.000	3.285	-	
ii	W chajja	2.000	1.500	0.450	0.000	0.000	1.350	-	
Total Quantity					4.635 Sqm (Sqm)		4.635 Sqm (Square Meter)		
Amount					4.635 X 175.60967741935		813.95		
6. 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 specificaion and direction of Engineer-in charge. (Old Work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Grading conc	1.000	7.600	4.200	0.000	0.000	31.920	-
Total Quantity					31.92 Sqm (Sqm)		31.92 Sqm (Square Meter)	
Amount					31.92 X 735.1399808316		23465.67	

7. 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	Room	1.000	6.800	3.700	0.100	0.000	2.516	-
Total Quantity					2.516 cum (cum)		2.516 Cum (Cubic Meter)	
Amount					2.516 X 5385.60923572		13550.19	

8. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chajja	1.000	7.300	0.450	0.075	0.000	0.246	-
ii	Chajja	2.000	1.500	0.450	0.075	0.000	0.101	-
Total Quantity					0.347625 cum (cum)		0.347625 Cum (Cubic Meter)	
Amount					0.347625 X 5560.8822869044		1933.10	

9. 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	1.000	0.350	0.000	0.000	0.000	0.350	-
Total Quantity					0.35 Qntl (Quintal)		0.35 Qntl (Quintal)	
Amount					0.35 X 8434.2918198		2952.00	

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

12mm thick cement plster (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	Outer wall	2.000	7.300	0.000	2.500	0.000	36.500	-
ii	Outer	2.000	4.200	0.000	2.500	0.000	21.000	-
Total Quantity					57.5 Sqm (Sqm)		57.5 Sqm (Square Meter)	
Amount					57.5 X 173.5987711544		9981.93	

11. 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	Inside	2.000	6.800	0.000	1.500	0.000	20.400	-
ii	Inside	2.000	3.700	0.000	1.500	0.000	11.100	-
iii	Ver	2.000	6.800	0.000	1.500	0.000	20.400	-
iv	Ver	2.000	1.750	0.000	1.500	0.000	5.250	-
Total Quantity					57.15 Sqm (Sqm)		57.15 Sqm (Square Meter)	
Amount					57.15 X 248.599473324		14207.46	

12. 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	Ceiling room	1.000	6.800	3.700	0.000	0.000	25.160	-
ii	Ver	1.000	6.800	1.750	0.000	0.000	11.900	-
iii	Chajja	2.000	7.300	0.450	0.000	0.000	6.570	-
iv	Chajja	4.000	1.500	0.450	0.000	0.000	2.700	-
Total Quantity					46.33 Sqm (Sqm)		46.33 Sqm (Square Meter)	
Amount					46.33 X 190.5931660096		8830.18	

13. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specifaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step	1.000	2.000	1.200	0.075	0.000	0.180	-
Total Quantity					0.18 cum (cum)		0.18 Cum (Cubic Meter)	
Amount					0.18 X 6858.95824164		1234.61	

14. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory

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	Floor room	1.000	6.800	3.700	0.000	0.000	25.160	-
ii	Ver	1.000	6.800	1.750	0.000	0.000	11.900	-

Total Quantity	37.06 Sqm (Sqm)	37.06 Sqm (Square Meter)
Amount	37.06 X 1012.1998672842	37512.13

15. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Dado	2.000	6.800	0.000	0.150	0.000	2.040	-
ii	Dado	2.000	3.700	0.000	0.150	0.000	1.110	-
iii	Ver	2.000	6.800	0.000	0.150	0.000	2.040	-
iv	Ver	2.000	1.750	0.000	0.150	0.000	0.525	-

Total Quantity	5.715 Sqm (Sqm)	5.715 Sqm (Square Meter)
Amount	5.715 X 1530.520986231	8746.93

16. Other Building Items. (AR1901Ab) : applying, fitting and fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water

Supplying, fitting and fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&P,etc. required for the work all complete as per direction of Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step	4.000	2.000	0.000	0.300	0.000	2.400	-
ii	Riser	5.000	2.000	0.000	0.150	0.000	1.500	-

Total Quantity	3.9 Sqm (Sqm)	3.9 Sqm (Square Meter)
Amount	3.9 X 2034.352839421	7933.98

17. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	w	1.000	4.000	0.000	4.000	2.750	44.000	-
Total Quantity					44 Kg (Kilo Gram)		0.44 Qntl (Quintal)	
Amount					0.44 X 15776.822583087		6941.80	

18. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Outer	1.000	7.300	0.000	3.500	0.000	25.550	-
ii	Outer	1.000	4.200	0.000	3.500	0.000	14.700	-
iii	Ded ver	1.000	6.050	0.000	2.000	0.000	-	12.100
iv	Ded ver	1.000	1.750	0.000	2.000	0.000	-	3.500
v	Inside	2.000	6.800	0.000	3.200	0.000	43.520	-
vi	Inside	2.000	3.700	0.000	3.200	0.000	23.680	-
vii	Ver	2.000	1.750	0.000	3.200	0.000	11.200	-
viii	D	1.000	1.150	0.000	2.000	0.000	-	2.300
ix	W	3.000	1.200	0.000	1.200	0.000	-	4.320
Total Quantity					96.43 Sqm (Sqm)		96.43 Sqm (Square Meter)	
Amount					96.43 X 79.21834		7639.02	

19. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer

Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, 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	Outer	2.000	7.300	0.000	3.500	0.000	51.100	-
ii	Outer	2.000	6.800	0.000	3.500	0.000	47.600	-
iii	W	3.000	1.200	0.000	1.200	0.000	-	4.320
Total Quantity					94.38 Sqm (Sqm)		94.38 Sqm (Square Meter)	
Amount					94.38 X 156.85851493721		14804.31	

20. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside	2.000	6.800	0.000	3.200	0.000	43.520	-
ii	Inside	2.000	3.700	0.000	3.200	0.000	23.680	-
iii	Ver	2.000	6.800	0.000	1.500	0.000	20.400	-
iv	Ver	2.000	1.750	0.000	1.500	0.000	5.250	-
Total Quantity					92.85 Sqm (Sqm)		92.85 Sqm (Square Meter)	
Amount					92.85 X 94.7556308125		8798.06	

21. Painting (AR0901c) : Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality oil-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	Inside	2.000	6.800	0.000	3.200	0.000	43.520	-
ii	Inside	2.000	3.700	0.000	3.200	0.000	23.680	-
Total Quantity					67.2 Sqm (Sqm)		67.2 Sqm (Square Meter)	

Amount					67.2 X 68.98982162471	4636.12		
22. 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	D	1.000	1.150	0.000	2.000	2.250	5.175	-
ii	W	3.000	1.200	0.000	1.200	2.750	11.880	-
Total Quantity					17.055 Sqm (Sqm)		17.055 Sqm (Square Meter)	
Amount					17.055 X 230.30957950673		3927.93	
Total Amount							193914.13	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							10985.86	
Provision for Contingency (+) @							2100.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							16085.86	
Grand Net Total Amount							209999.99	

Radhashyam Das
JE
Lephripara Block

Brusabhanu Bhoi
AEE
Lephripara Block

BDO LEPHRIPARA
BDO
Lephripara Block