

Detailed Estimate

OD/361/3452/119454/385968/00015123 : Repair & Maintenance of Pancha sakha Nodal high school, Amuni
Block : Kendujhar Sadar, Panchayat : Handibhanga
Created By:Subhashree Behera

1. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)									
Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	door	1.000	3.000	0.000	6.160	0.093	1.717	-	
ii	window	10.000	3.000	0.000	3.500	0.093	9.755	-	
iii	d	1.000	3.500	0.000	6.500	0.093	2.113	-	
iv	w	2.000	2.500	0.000	3.500	0.093	1.626	-	
v	d	1.000	6.580	0.000	7.000	0.093	4.279	-	
Total Quantity					19.489491 Sqm (Sqm)		19.489491 Sqm (Square Meter)		
Amount					19.489491 X 166.38395876438		3242.74		
2. Dismantling (AR1618) : Dismantling and removing doors, windows and ventilators									
Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m and as per direction of Engineer-in-Charge.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	window	10.000	3.000	0.000	3.500	0.093	9.755	-	
Total Quantity					9.7545 Sqm (Sqm)		9.7545 Sqm (Square Meter)		
Amount					9.7545 X 388.15076923077		3786.22		
3. 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.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	

i	window	1.000	3.000	0.830	3.500	0.028	0.247	-
Total Quantity					0.2466345 cum (cum)		0.2466345 Cum (Cubic Meter)	
Amount					0.2466345 X 1371.1731448763		338.18	
4. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	window lintellintel	11.000	4.000	0.830	0.500	0.028	0.517	-
ii	tajja	1.000	24.000	3.000	0.250	0.028	0.509	-
iii	tajja	1.000	10.000	2.000	0.250	0.028	0.142	-
Total Quantity					1.167658 cum (cum)		1.167658 Cum (Cubic Meter)	
Amount					1.167658 X 13389.619749159		15634.50	
5. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	1.000	20.000	15.000	0.000	0.093	27.870	-
ii	room	1.000	20.000	6.000	0.000	0.093	11.148	-
iii	entrance room	1.000	18.000	10.000	0.000	0.093	16.722	-
Total Quantity					55.74 Sqm (Sqm)		55.74 Sqm (Square Meter)	
Amount					55.74 X 1146.8157006778		63923.51	
6. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	1.000	20.000	15.000	0.000	0.093	27.870	-
Total Quantity					27.87 Sqm (Sqm)		27.87 Sqm (Square Meter)	
Amount					27.87 X 191.1881955512		5328.42	

7. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	1.000	21.000	16.000	0.000	0.093	31.214	-
Total Quantity					31.2144 Sqm (Sqm)		31.2144 Sqm (Square Meter)	
Amount					31.2144 X 367.3804407868		11467.56	

8. Painting (AR0921) : Finishing wall One Coat with distemper of approved shades on old work (Inside)

Finishing wall One Coat with distemper of approved shades on old 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	office room	2.000	35.000	9.500	0.000	0.093	61.779	-
ii	toilet	2.000	13.330	7.000	0.000	0.093	17.337	-
iii	entrance	2.000	28.000	9.500	0.000	0.093	49.423	-
iv	deduction D	1.000	3.500	6.500	0.000	0.093	-	2.113
v	W	2.000	2.500	3.500	0.000	0.093	-	1.626
vi	D	1.000	6.580	7.000	0.000	0.093	-	4.279
Total Quantity					120.520099 Sqm (Sqm)		120.520099 Sqm (Square Meter)	
Amount					120.520099 X 52.2913351314		6302.16	

9. Painting (AR0918fk) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(For repair and maintenance) .

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	OFFICE ROOM	2.000	20.000	0.000	9.500	0.093	35.302	-
ii	OFFICE ROOM	1.000	15.000	0.000	9.500	0.093	13.238	-
iii		2.000	20.000	0.000	1.160	0.093	4.311	-
iv		1.000	15.000	0.000	1.160	0.093	1.616	-
v	COMUTER ROOM OUTSIDE TOILET	1.000	28.500	0.000	9.500	0.093	25.153	-
vi		1.000	3.500	0.000	9.500	0.093	3.089	-
vii	OFFICE ROOM CHAJJA	2.000	24.000	0.000	3.250	0.093	14.492	-
viii	OFFICE ROOM CHAJJA	2.000	10.000	0.000	2.250	0.093	4.181	-
Total Quantity					101.38177 Sqm (Sqm)		101.38177 Sqm (Square Meter)	
Amount					101.38177 X 87.9569294375		8917.23	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	door	1.000	3.000	0.000	6.160	3.000	55.440	-
ii	window	10.000	3.000	0.000	3.500	3.000	315.000	-
Total Quantity					370.44 Kg (Kilo Gram)		3.7044 Qntl (Quintal)	

Amount				3.7044 X 16417.522834976			60817.07	
11. miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WINDOW	10.000	3.000	3.500	32.000	0.093	312.144	-
ii	door	1.000	3.000	6.160	0.000	0.093	1.717	-
Total Quantity					313.860792 Sqm (Sqm)		313.860792 Sqm (Square Meter)	
Amount				313.860792 X 16.22			5090.82	
12. 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	room	1.000	20.000	15.000	0.000	0.093	27.870	-
ii	room	1.000	20.000	6.000	0.000	0.093	11.148	-
iii	toilet	1.000	18.000	10.000	0.000	0.093	16.722	-
Total Quantity					55.74 Sqm (Sqm)		55.74 Sqm (Square Meter)	
Amount				55.74 X 98.176344086021			5472.35	
13. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LINTEL	11.000	4.000	4.000	0.305	0.580	31.114	-
ii	tajja	1.000	5.000	24.000	0.305	0.380	13.899	-
iii	tajja	1.000	35.000	3.000	0.305	0.380	12.162	-

iv	tajja	1.000	15.000	2.000	0.305	0.380	3.475	-	
v	tajja	1.000	4.000	15.000	0.305	0.380	6.949	-	
Total Quantity					67.598544 Kg (Kilo Gram)		0.67598544 Qntl (Quintal)		
Amount					0.67598544 X 9262.4805583		6261.30		

14. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	ROOM	2.000	35.000	0.000	6.000	0.093	39.018	-	
ii	ROOM	2.000	10.000	0.000	6.000	0.093	11.148	-	
Total Quantity					50.166 Sqm (Sqm)		50.166 Sqm (Square Meter)		
Amount					50.166 X 249.909862878		12536.98		

15. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	as distemper & weather coat	0.000	0.000	0.000	0.000	221.900	221.900	-	
Total Quantity					221.9 Sqm (Sqm)		221.9 Sqm (Square Meter)		
Amount					221.9 X 70.774712756933		15704.91		

16. 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		1.000	24.000	2.500	0.000	0.093	5.574	-
ii		1.000	10.000	2.000	0.000	0.093	1.858	-

Total Quantity		7.432 Sqm (Sqm)		7.432 Sqm (Square Meter)				
Amount		7.432 X 171.80860215054		1276.88				
17. Flooring (AR0816) : 30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755								
Fixing Marble Tiles in floor (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755), 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 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	1.000	3.500	9.830	0.000	0.093	3.196	-
Total Quantity		3.1962245 Sqm (Sqm)		3.1962245 Sqm (Square Meter)				
Amount		3.1962245 X 1288.5856391752		4118.61				
Total Amount		230219.42						
Addition								
Provision for PH Work (+) @		10320.00						
Provision for EI Work (+) @								
Provision for Contingency (+) @		2480.00						
Display Citizen Board (+) @		2500.00						
Any Other Lumpsum (+) @		2480.00						
Total Addition		17780.00						
Grand Net Total Amount		247999.42						