

Detailed Estimate

OD/361/3452/119456/385950/00015116 : Repair & Maintenance of Adivasi Government high school, Kandraposi
Block : Kendujhar Sadar, Gram Panchayat : Kandraposi
Created By:Ranjan Kumar Swain

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	E,WORK	2.000	36.000	0.660	0.660	0.000	31.363	-
ii		2.000	18.160	0.660	0.660	0.000	15.821	-
iii	Front pcc cut off	2.000	40.000	1.000	0.660	0.000	52.800	-
Total Quantity					99.984192 Cft (Cubic Foot)		2.8312323680256 Cum (Cubic Meter)	
Amount					2.8312323680256 X 240.77592		681.69	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pl.prot	2.000	36.000	0.660	0.250	0.000	11.880	-
ii		2.000	18.160	0.660	0.250	0.000	5.993	-
iii	fr pcc wall	2.000	40.000	1.000	0.250	0.000	20.000	-
iv		1.000	40.000	8.000	0.160	0.000	51.200	-
Total Quantity					89.0728 Cft (Cubic Foot)		2.522256666304 Cum (Cubic Meter)	

Amount				2.52225666304 X 1146.009832			2890.53	
3. 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	pl.prot	2.000	36.000	0.660	0.830	0.000	39.442	-
ii	Floor	2.000	18.160	0.660	0.830	0.000	19.896	-
iii		1.000	20.580	16.250	0.330	0.000	110.360	-
iv		1.000	10.250	9.080	0.330	0.000	30.713	-
v	Front pcc cutoff	2.000	40.000	1.000	0.330	0.000	26.400	-
vi	pcc	1.000	40.000	8.000	0.330	0.000	105.600	-
Total Quantity					332.411046 Cft (Cubic Foot)		9.4128171073728 Cum (Cubic Meter)	
Amount				9.4128171073728 X 6232.13356674			58661.93	
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	wall	2.000	33.660	0.000	10.000	0.000	673.200	-
ii	wall	2.000	18.160	0.000	10.000	0.000	363.200	-
Total Quantity					1036.4 Sft (Square Foot)		96.2846692 Sqm (Square Meter)	
Amount				96.2846692 X 50.174193548387			4831.01	
5. 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	Floor	1.000	20.580	0.000	16.250	0.000	334.425	-
ii	Floor	1.000	10.250	0.000	9.080	0.000	93.070	-
iii		1.000	10.250	0.000	6.250	0.000	64.063	-
Total Quantity					491.5575 Sft (Square Foot)		45.6671664225 Sqm (Square Meter)	
Amount					45.6671664225 X 100.34838709677		4582.63	

6. Flooring (AR0802iik) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG hand broken chips(For repair and maintenance) .

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge(For repair and maintenance) .

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	20.580	0.000	16.250	0.000	334.425	-
ii	Floor	1.000	10.250	0.000	9.080	0.000	93.070	-
iii		1.000	10.250	0.000	6.250	0.000	64.063	-
Total Quantity					491.5575 Sft (Square Foot)		45.6671664225 Sqm (Square Meter)	
Amount					45.6671664225 X 376.3109524948		17185.05	

7. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plster (1:6) over Brick work in outside 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	33.660	0.000	10.000	0.000	673.200	-
ii	wall	2.000	18.160	0.000	10.000	0.000	363.200	-

iii	Ded D	1.000	3.830	0.000	6.500	0.500	-	12.448	
iv	Ded W	7.000	3.000	0.000	4.000	0.500	-	42.000	
v		2.000	10.250	0.000	7.000	0.000	143.500	-	
vi		2.000	9.080	0.000	6.660	0.000	120.946	-	
vii		2.000	40.000	0.000	2.000	0.000	160.000	-	
Total Quantity					1406.3981 Sft (Square Foot)		130.6586026843 Sqm (Square Meter)		
Amount					130.6586026843 X 177.4779589948		23189.02		

8. 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	wall	2.000	20.580	0.000	5.000	0.000	205.800	-	
ii	wall	2.000	16.250	0.000	5.000	0.000	162.500	-	
iii	Ded D	1.000	3.830	0.000	5.000	0.500	-	9.575	
iv	Ded W	7.000	3.000	0.000	2.000	0.500	-	21.000	
v		2.000	10.250	0.000	5.000	0.000	102.500	-	
vi		2.000	9.080	0.000	5.000	0.000	90.800	-	
vii		2.000	6.250	0.000	4.660	0.000	58.250	-	
viii		2.000	10.250	0.000	5.000	0.000	102.500	-	
ix	Ded d	2.000	3.500	0.000	5.000	0.500	-	17.500	
Total Quantity					674.275 Sft (Square Foot)		62.642170325 Sqm (Square Meter)		
Amount					62.642170325 X 253.256647358		15864.55		

9. Painting (AR0903ak) : Painting two coats of enamel paint with a coat of wood primer new wood work in inner surface paint (Inside)(For repair and maintenance) .

Painting two coats of enamel paint with a coat of wood primer in new wood work inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Door	2.000	3.500	0.000	6.500	2.250	102.375	-	
ii	D	1.000	3.830	0.000	6.500	2.250	56.014	-	
iii	W	7.000	3.000	0.000	4.000	2.750	231.000	-	
iv	Door	2.000	3.000	0.000	6.500	2.250	87.750	-	
v	w	2.000	4.000	0.000	4.000	2.750	88.000	-	
Total Quantity					565.13875 Sft (Square Foot)		52.50308529125 Sqm (Square Meter)		
Amount					52.50308529125 X 238.31705330129		12512.38		

10. 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).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	33.660	0.000	10.830	0.000	729.076	-
ii	wall	2.000	18.160	0.000	10.830	0.000	393.346	-
iii	Ded D	1.000	3.830	0.000	6.500	0.500	-	12.448
iv	Ded W	7.000	3.000	0.000	4.000	0.500	-	42.000
v		2.000	10.250	0.000	1.500	0.000	30.750	-
vi		14.000	4.000	0.000	1.500	0.000	84.000	-
vii	bldg-2 LW	2.000	32.000	0.000	10.500	0.000	672.000	-

viii	SW	2.000	22.000	0.000	10.500	0.000	462.000	-
ix	ver	2.000	6.000	0.000	3.000	0.000	36.000	-
x	ver	1.000	32.000	0.000	3.000	0.000	96.000	-
xi	COL	3.000	4.000	0.000	7.000	0.000	84.000	-
xii	Fr chajja	2.000	47.000	0.000	1.500	0.000	141.000	-
xiii	w ch	4.000	5.000	0.000	1.500	0.000	30.000	-
Total Quantity					2703.7237 Sft (Square Foot)		251.1840429011 Sqm (Square Meter)	
Amount					251.1840429011 X 89.1755676625		22399.48	

11. Painting (AR0922k) : Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance).

Finishing wall two coats with distemper 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)(For Repair and maintenance)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	20.580	0.000	10.000	0.000	411.600	-
ii	wall	2.000	16.250	0.000	10.000	0.000	325.000	-
iii	Ded D	1.000	3.830	0.000	6.500	0.500	-	12.448
iv	Ded W	7.000	3.000	0.000	4.000	0.500	-	42.000
v	2nd room	2.000	10.250	0.000	10.000	0.000	205.000	-
vi		2.000	9.080	0.000	10.000	0.000	181.600	-
vii	3rd room	2.000	6.250	0.000	10.000	0.000	125.000	-
viii		2.000	10.250	0.000	10.000	0.000	205.000	-
ix	Ded d	2.000	3.500	0.000	6.500	0.500	-	22.750
x		2.000	28.000	0.000	10.500	0.000	588.000	-

xi		2.000	16.000	0.000	10.500	0.000	336.000	-	
xii		1.000	30.000	0.000	10.500	0.000	315.000	-	
xiii		1.000	28.000	0.000	3.500	0.000	98.000	-	
xiv		2.000	6.000	0.000	3.500	0.000	42.000	-	
xv	DED d	2.000	3.000	0.500	6.500	0.000	-	19.500	
xvi	w	2.000	4.000	4.000	0.500	0.000	-	16.000	
Total Quantity					2719.5025 Sft (Square Foot)		252.6499407575 Sqm (Square Meter)		
Amount					252.6499407575 X 80.147037525		20249.14		

12. 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 specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	pl.prot	2.000	36.000	0.660	0.200	0.000	9.504	-	
ii	Floor	2.000	18.160	0.660	0.200	0.000	4.794	-	
iii	Room fr cc	1.000	40.000	8.000	0.290	0.000	92.800	-	
Total Quantity					107.09824 Cft (Cubic Foot)		3.032679442432 Cum (Cubic Meter)		
Amount					3.032679442432 X 7686.55797238		23310.87		

13. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer 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	Sama as w.coat	1.000	2703.327	0.000	1.000	0.000	2703.330	-

Total Quantity		2703.327 Sft (Square Foot)		251.147188281 Sqm (Square Meter)				
Amount		251.147188281 X 72.882147224516		18304.15				
14. 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 ² 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	side wall	2.000	40.000	0.830	0.580	0.000	38.512	-
ii		2.000	40.000	0.410	1.250	0.000	41.000	-
Total Quantity		79.512 Cft (Cubic Foot)		2.2515254016 Cum (Cubic Meter)				
Amount		2.2515254016 X 5260.023847232		11843.08				
Total Amount				236505.51				
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @								
Display Citizen Board (+) @								
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition				11493.50				
Grand Net Total Amount				247999.01				

Ranjan Kumar Swain
JE
Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
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Kendujhar Sadar Block