

Detailed Estimate

**OD/361/3450/119416/385536/00071048 : TOILET RENOVATION & RUNNING WATER SUPPLY TO TOILET, ACR
GREADING & COLLORING AT EKAMRA HIGH SCHOOL, KASIPA;**

Block : Jhumpura, Gram Panchayat : Balibandha

Created By:Ajay Kumar Behera

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	Wall	1.000	49.000	2.000	3.000	0.000	294.000	-
ii	Platform	1.000	20.000	10.000	0.330	0.000	66.000	-
Total Quantity					360 Cft (Cubic Foot)		10.194048 Cum (Cubic Meter)	
Amount					10.194048 X 240.77592		2454.48	
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	Wall	1.000	49.000	2.000	0.500	0.000	49.000	-
ii	Platform	1.000	20.000	10.000	0.330	0.000	66.000	-
iii	Room	1.000	19.500	9.000	1.000	0.000	175.500	-
Total Quantity					290.5 Cft (Cubic Foot)		8.2260304 Cum (Cubic Meter)	
Amount					8.2260304 X 781.500832		6428.65	
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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	49.000	2.000	0.500	0.000	49.000	-
ii	Platform	1.000	20.000	10.000	0.330	0.000	66.000	-
iii	Room floor	1.000	19.500	9.000	0.330	0.000	57.915	-
Total Quantity					172.915 Cft (Cubic Foot)		4.896399472 Cum (Cubic Meter)	
Amount					4.896399472 X 6253.65324082		30620.38	

4. 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/cm² 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	1st footing	1.000	49.000	1.660	1.000	0.000	81.340	-
ii	2nd footing	1.000	49.000	1.330	2.000	0.000	130.340	-
Total Quantity					211.68 Cft (Cubic Foot)		5.994100224 Cum (Cubic Meter)	
Amount					5.994100224 X 5543.411217176		33227.76	

5. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

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/cm² 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	Wall	1.000	49.000	0.830	8.500	0.000	345.695	-

ii	Door	1.000	4.000	0.830	7.000	0.000	-	23.240
iii	Grill	1.000	19.000	0.830	3.500	0.000	-	55.195
Total Quantity					267.26 Cft (Cubic Foot)		7.567947968 Cum (Cubic Meter)	
Amount					7.567947968 X 5524.688342176		41810.55	
6. 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	Platform	1.000	20.000	10.000	0.250	0.000	50.000	-
Total Quantity					50 Cft (Cubic Foot)		1.41584 Cum (Cubic Meter)	
Amount					1.41584 X 7689.48666534		10887.08	
7. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room floor	1.000	19.500	9.000	0.000	0.000	175.500	-
Total Quantity					175.5 Sft (Square Foot)		16.3044765 Sqm (Square Meter)	
Amount					16.3044765 X 376.3943584564		6136.91	
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 inside	1.000	49.000	0.000	8.500	0.000	416.500	-
ii	Door	1.000	4.000	0.000	7.000	0.000	-	28.000
iii	Grill	1.000	19.000	0.000	3.500	0.000	-	66.500
Total Quantity					322 Sft (Square Foot)		29.914766 Sqm (Square Meter)	
Amount					29.914766 X 254.746310094		7620.68	

9. 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	Wall outside	1.000	52.000	0.000	9.500	0.000	494.000	-
ii	Door	1.000	4.000	0.000	7.000	0.000	-	28.000
iii	Grill	1.000	19.000	0.000	3.500	0.000	-	66.500
Total Quantity					399.5 Sft (Square Foot)		37.1147485 Sqm (Square Meter)	
Amount					37.1147485 X 178.7198753564		6633.14	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	4.000	0.000	7.000	2.500	70.000	-
ii	Grill	1.000	19.000	0.000	3.500	2.500	166.250	-
Total Quantity					236.25 Kg (Kilo Gram)		2.3625 Qntl (Quintal)	
Amount					2.3625 X 16558.132121087		39118.59	

11. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks								
Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery 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	To be Paid as per actual	210.000	0.000	0.000	0.000	0.000	210.000	-
Total Quantity					210 Kg (Kilo Gram)		2.1 Qntl (Quintal)	
Amount					2.1 X 14019.214798252		29440.35	
12. Roofing (AR1135i) : G.C.I. Sheet (0.40mm thick) in walling								
Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in walling including cost of nuts and bolts, fitting, labour and material etc. complete as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof	1.000	22.000	12.000	0.000	0.000	264.000	-
Total Quantity					264 Sft (Square Foot)		24.526392 Sqm (Square Meter)	
Amount					24.526392 X 540.97316583945		13268.12	
13. Painting (AR0918hk) : 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)(For repair and maintenance).								
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)(For repair and maintenance).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall inside	1.000	49.000	0.000	8.500	0.000	416.500	-
ii	Wall outside	1.000	52.000	0.000	9.500	0.000	494.000	-
iii	Door	2.000	4.000	0.000	7.000	0.000	-	56.000
iv	Grill	2.000	19.000	0.000	3.500	0.000	-	133.000

Total Quantity			721.5 Sft (Square Foot)			67.0295145 Sqm (Square Meter)		
Amount			67.0295145 X 163.17238623702			10937.37		
14. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	2.250	4.000	7.000	0.000	63.000	-
ii	Grill	1.000	2.250	19.000	3.500	0.000	149.625	-
Total Quantity			212.625 Sft (Square Foot)			19.753500375 Sqm (Square Meter)		
Amount			19.753500375 X 230.36495425153			4550.51		
Total Amount							243134.59	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2431.35	
Display Citizen Board (+) @							2434.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							4865.35	
Grand Net Total Amount							247999.93	

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