

Detailed Estimate

OD/350/3345/117170/398981/00062608 : Repair and Maint of Balipatna Pry School, Godijharia , Bhiruda
Block : Tigiria, Gram Panchayat : Bhiruda
Created By: Mihir Kumar Sethy

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	washing place base	1.000	7.000	1.660	1.000	0.000	11.620	-
Total Quantity					11.62 Cft (Cubic Foot)		0.329041216 Cum (Cubic Meter)	
Amount					0.329041216 X 240.77592		79.23	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	7.000	1.660	0.500	0.000	5.810	-
ii	inside washing place	1.000	6.170	1.250	3.000	0.000	23.138	-
Total Quantity					28.9475 Cft (Cubic Foot)		0.819700568 Cum (Cubic Meter)	
Amount					0.819700568 X 1259.372232		1032.31	
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		1.000	7.000	1.660	0.250	0.000	2.905	-
ii	washing top	1.000	6.170	1.250	0.250	0.000	1.928	-
Total Quantity					4.833125 Cft (Cubic Foot)		0.136858634 Cum (Cubic Meter)	
Amount					0.136858634 X 5655.74829386		774.04	

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

12mm thick cement plaster (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	washing place	1.000	7.000	4.000	0.000	0.000	28.000	-
ii	side	2.000	1.660	4.000	0.000	0.000	13.280	-
iii	top	1.000	7.000	1.660	0.000	0.000	11.620	-
Total Quantity					52.9 Sft (Square Foot)		4.9145687 Sqm (Square Meter)	
Amount					4.9145687 X 177.4541171772		872.11	

5. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic 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	washing place	1.000	7.000	4.000	0.000	0.000	28.000	-
ii		2.000	1.660	4.000	0.000	0.000	13.280	-
iii		1.000	7.000	3.000	0.000	0.000	21.000	-

Total Quantity	62.28 Sft (Square Foot)	5.78599884 Sqm (Square Meter)
Amount	5.78599884 X 860.954227886	4981.48

6. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	base	1.000	7.000	0.416	4.000	0.000	11.648	-
ii	side	2.000	1.250	0.416	4.000	0.000	4.160	-
Total Quantity					15.808 Cft (Cubic Foot)		0.4476319744 Cum (Cubic Meter)	
Amount					0.4476319744 X 5062.507481248		2266.14	

7. 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	room	2.000	22.000	16.000	0.000	0.000	704.000	-
ii	room	1.000	16.000	10.000	0.000	0.000	160.000	-
iii	veranda	1.000	45.000	9.000	0.000	0.000	405.000	-
iv	dado	2.000	76.000	0.500	0.000	0.000	76.000	-
v	dado	2.000	26.000	0.500	0.000	0.000	26.000	-
vi	ver dado	1.000	45.000	0.500	0.000	0.000	22.500	-
Total Quantity					1393.5 Sft (Square Foot)		129.4603305 Sqm (Square Meter)	

Amount				129.4603305 X 1006.7293548346			130331.52	
8. 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	2.000	22.000	16.000	0.000	0.000	704.000	-
ii	veranda	1.000	45.000	9.000	0.000	0.000	405.000	-
iii	step	2.000	45.000	1.000	0.000	0.000	90.000	-
iv	ramp	1.000	12.000	4.000	0.000	0.000	48.000	-
v	office room	1.000	16.000	10.000	0.000	0.000	160.000	-
Total Quantity					1407 Sft (Square Foot)		130.714521 Sqm (Square Meter)	
Amount				130.714521 X 100.34838709677			13116.99	
9. 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	outside back side	1.000	58.000	14.000	0.000	0.000	812.000	-
ii	front	1.000	58.000	11.500	0.000	0.000	667.000	-
iii	chajja	1.000	45.000	2.000	0.000	0.000	90.000	-
iv	deduct veranda	1.000	40.000	7.000	0.000	0.000	-	280.000
v	window	5.000	4.000	4.000	0.000	0.000	-	80.000

Total Quantity	1209 Sft (Square Foot)	112.319727 Sqm (Square Meter)
Amount	112.319727 X 163.146528363	18324.57

10. Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1

Fixing Chequered Tiles in floor , 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 Chequered 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	step	2.000	45.000	1.000	0.000	0.000	90.000	-
ii	dado	2.000	45.000	0.660	0.000	0.000	59.400	-
iii	ramp	1.000	12.000	4.000	0.000	0.000	48.000	-
Total Quantity					197.4 Sft (Square Foot)		18.3390522 Sqm (Square Meter)	
Amount					18.3390522 X 964.9257569458		17695.82	

11. Painting (AR0921k) : Finishing wall One Coat with distemper of approved shades on old work (Inside)(For repair and maintenance).

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)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	veranda inside	1.000	44.000	10.000	0.000	0.000	440.000	-
ii	ver	1.000	44.000	3.000	0.000	0.000	132.000	-
iii	side	1.000	8.000	10.000	0.000	0.000	80.000	-
iv	deduct door	3.000	4.000	7.000	0.000	0.000	-	84.000
v	roof veranda	1.000	44.000	8.000	0.000	0.000	352.000	-
Total Quantity					920 Sft (Square Foot)		85.47076 Sqm (Square Meter)	

Amount	85.47076 X 51.6217730842	4412.15
Total Amount		193886.36
Addition		
Provision for PH Work (+) @		3900.00
Provision for EI Work (+) @		
Provision for Contingency (+) @		2000.00
Display Citizen Board (+) @		213.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		6113.00
Grand Net Total Amount		199999.36

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