

Detailed Estimate

OD/369/3541/120986/410127/00075169 : CONST. OF NABADA BADA POKHARI BATHING STEPS AND CHANGING ROOM

Block : Kanas, Gram Panchayat : Khandahota

Created By: GOPINATH PALAI

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	wall	2.000	30.000	2.000	2.000	0.000	240.000	-
ii	BED	1.000	20.000	15.000	1.000	0.000	300.000	-
iii	LANDING	2.000	15.000	7.000	1.000	0.000	210.000	-
Total Quantity					750 Cft (Cubic Foot)		21.2376 Cum (Cubic Meter)	
Amount					21.2376 X 240.77592		5113.50	
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	wall	2.000	30.000	2.000	0.330	0.000	39.600	-
ii	BED	1.000	20.000	15.000	0.330	0.000	99.000	-
iii	LANDING	2.000	15.000	7.000	0.330	0.000	69.300	-
Total Quantity					207.9 Cft (Cubic Foot)		5.88706272 Cum (Cubic Meter)	
Amount					5.88706272 X 872.158432		5134.45	
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	wall	2.000	30.000	2.000	0.330	0.000	39.600	-
ii	BED	1.000	20.000	15.000	0.330	0.000	99.000	-
iii	LANDING	1.000	15.000	7.000	0.330	0.000	34.650	-
Total Quantity					173.25 Cft (Cubic Foot)		4.9058856 Cum (Cubic Meter)	
Amount					4.9058856 X 5722.59878996		28074.41	

4. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	30.000	0.830	5.660	0.000	281.868	-
ii	step	7.000	15.000	2.500	1.500	0.000	393.750	-
iii	landing	2.000	20.000	7.000	0.830	0.000	232.400	-
Total Quantity					908.018 Cft (Cubic Foot)		25.7121641024 Cum (Cubic Meter)	
Amount					25.7121641024 X 5556.452352528		142868.41	

5. 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	short wall	4.000	6.000	0.750	7.000	0.000	126.000	-

ii	door	1.000	2.500	0.750	7.000	0.000	-	13.125
Total Quantity					112.875 Cft (Cubic Foot)		3.1962588 Cum (Cubic Meter)	
Amount					3.1962588 X 5384.584328928		17210.53	
6. 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	4.000	6.000	7.000	0.000	0.000	168.000	-
ii	door	1.000	2.500	7.000	0.000	0.000	-	17.500
Total Quantity					150.5 Sft (Square Foot)		13.9819015 Sqm (Square Meter)	
Amount					13.9819015 X 247.883727532		3465.89	
7. 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	wall	4.000	7.000	0.000	7.000	0.000	196.000	-
ii	DOOR	1.000	2.500	0.000	7.000	0.000	-	17.500
Total Quantity					178.5 Sft (Square Foot)		16.5831855 Sqm (Square Meter)	
Amount					16.5831855 X 173.0013000792		2868.91	
8. Other Building Items. (AR1918) : UPVC Door with 12mm thick WPC Board								

Supplying, fitting and fixing of Un-plasticised Poly Vinyl Chloride (UPVC) (FENESTA/NCL VEKA LTD) casement Door - 60 Series duly manufactured using UPVC reinforced profiles of 60mm x 55 mm x 2.5 mm for outer frames, 102 mm x 60 mm x 2.25mm for casement door Sash Profile and 74 mm x 60 mm x 2.5 mm mullion profile capable of mounting single glazing system structurally reinforced with hot dip galvanised up to 50 microns of minimum thickness of 2.0 mm prefabricated & welded through fusion welding the door sash shall be fitted with 12mm thick WPC Board of green ply make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 no per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc, including cost and conveyance of all materials accessories, labour charges, materials and product conforming to ASTM D 638-14,EN-477-95 and other applicable codes and standards and as per direction of Engineer in Charge. (Rate given by Office of the Engineer-IN-Chief (Civil) Odisha Nirman Soudha Unit-V, Bhubaneswar vide letter no 16100 dated 08/05/2018)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	door	1.000	2.500	5.000	0.000	0.000	12.500	-
Total Quantity					12.5 Sft (Square Foot)		1.1612875 Sqm (Square Meter)	
Amount					1.1612875 X 9052.63		10512.71	

9. Painting (AR0901d) : Second Floor

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	10.000	6.000	6.000	0.000	0.000	360.000	-
ii	DOOR	1.000	2.500	6.000	0.000	0.000	-	15.000
Total Quantity					345 Sft (Square Foot)		32.051535 Sqm (Square Meter)	
Amount					32.051535 X 75.394225515187		2416.50	

10. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	10.000	6.000	7.000	0.000	0.000	420.000	-
ii	door	1.000	2.500	7.000	0.000	0.000	-	17.500

Total Quantity		402.5 Sft (Square Foot)		37.3934575 Sqm (Square Meter)				
Amount		37.3934575 X 78.865539425		2949.06				
11. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor								
Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 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	landing	2.000	15.000	7.000	0.000	0.000	210.000	-
ii	step	7.000	15.000	2.500	0.000	0.000	262.500	-
Total Quantity		472.5 Sft (Square Foot)		43.8966675 Sqm (Square Meter)				
Amount		43.8966675 X 1194.9127401898		52452.69				
12. Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside.								
20mm thick cement Plaster in CM (1:6) for stone 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	4.000	30.000	5.000	0.000	0.000	600.000	-
ii	riser	7.000	15.000	1.000	0.000	0.000	105.000	-
Total Quantity		705 Sft (Square Foot)		65.4966615 Sqm (Square Meter)				
Amount		65.4966615 X 260.112619268		17036.50				
Total Amount				290103.55				
Addition								
Display Citizen Board (+) @				5000.00				

Any Other Lumpsum (+) @	1896.00
Provision for survey investigation and quality control (+) @	
Provision for Contingency (+) @	3000.00
Total Addition	9896.00
Grand Net Total Amount	299999.55

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