

Detailed Estimate

OD/367/3527/120657/406292/00013790 : CONST OF WAITING SHED,SEPARATE TOILET FOR MEN & WOMEN & PROVISION OF SAFE DRINKING WATER WITH MINIMUM FACILITIES Baunsiapada
Block : Nayagarh, Gram Panchayat : Baunsiapada
Created By:Muralidhar Rout

1. 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/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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	1.000	8.300	0.250	2.900	0.000	6.018	-
ii		1.000	3.150	0.250	2.900	0.000	2.284	-
iii		1.000	2.350	0.250	0.800	0.000	0.470	-
iv		1.000	3.300	0.250	2.900	0.000	2.393	-
v		1.000	3.800	0.250	0.800	0.000	0.760	-
vi		1.000	3.150	0.125	3.050	0.000	1.201	-
vii	S/W	2.000	3.650	0.250	2.900	0.000	5.293	-
viii		2.000	2.725	0.250	2.900	0.000	3.951	-
ix		2.000	3.900	0.250	0.800	0.000	1.560	-
x	DOOR	2.000	0.750	0.250	2.100	0.000	-	0.788
xi	WINDOW	3.000	1.200	0.250	1.350	0.000	-	1.215
Total Quantity					21.9259375 cum (cum)		21.9259375 Cum (Cubic Meter)	
Amount					21.9259375 X 5067.28815384		111105.04	
2. R.C.C. Work (AR0404Ac) : First Floor								
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 Beams, Column, Girder & Bressmer etc)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	COLUMN	12.000	0.250	0.250	3.200	0.000	2.400	-
ii	WALL BEAM	1.000	8.300	0.250	0.150	0.000	0.311	-
iii		1.000	3.150	0.250	0.150	0.000	0.118	-
iv		2.000	3.800	0.250	0.150	0.000	0.285	-
v		1.000	3.300	0.250	0.150	0.000	0.124	-
vi	S/W	2.000	3.650	0.250	0.150	0.000	0.274	-
vii		2.000	3.800	0.250	0.150	0.000	0.285	-
viii		2.000	3.100	0.250	0.150	0.000	0.233	-
ix	HALL BEAM	2.000	3.650	0.250	0.250	0.000	0.456	-
Total Quantity					4.485625 cum (cum)		4.485625 Cum (Cubic Meter)	
Amount					4.485625 X 15841.589101351		71059.43	
3. R.C.C. Work (AR0404Ad) : First Floor								
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	lintel	1.000	8.300	0.250	0.150	0.000	0.311	-
ii		1.000	3.150	0.250	0.150	0.000	0.118	-
iii		2.000	3.800	0.250	0.150	0.000	0.285	-
iv		1.000	3.300	0.250	0.150	0.000	0.124	-
v		3.000	3.150	0.125	0.150	0.000	0.177	-
vi		2.000	3.650	0.250	0.150	0.000	0.274	-
vii		2.000	3.800	0.250	0.150	0.000	0.285	-
viii		2.000	3.100	0.250	0.150	0.000	0.233	-
Total Quantity					1.8065625 cum (cum)		1.8065625 Cum (Cubic Meter)	

Amount							1.8065625 X 14171.826110804	25602.29
4. R.C.C. Work (AR0404Ag) : First Floor								
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 Roof slab, landing, balcony, sun shade)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof slab	1.000	9.400	7.800	0.125	0.000	9.165	-
ii	chajja	1.000	1.500	0.500	0.060	0.000	0.045	-
Total Quantity					9.21 cum (cum)		9.21 Cum (Cubic Meter)	
Amount							9.21 X 13736.946321835	126517.28
5. R.C.C. Work (AR0409) : First floor								
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	concrete quantity	1.000	15.490	0.000	0.000	0.000	15.490	-
Total Quantity					15.49 Qntl (Quintal)		15.49 Qntl (Quintal)	
Amount							15.49 X 8958.4344205	138766.15
6. Plastering (AR1017) : First Floor								
20mm thick cement Plaster in CM (1:4) over 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	9.400	7.800	0.000	0.000	73.320	-
Total Quantity					73.32 Sqm (Sqm)		73.32 Sqm (Square Meter)	
Amount							73.32 X 279.410719568	20486.39
7. Plastering (AR1027) : First Floor								

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	6mm plaster	1.000	8.700	3.650	0.000	0.000	31.755	-
ii		2.000	3.150	1.300	0.000	0.000	8.190	-
iii		1.000	1.200	3.350	0.000	0.000	4.020	-
iv		1.000	3.800	3.100	0.000	0.000	11.780	-
Total Quantity					55.745 Sqm (Sqm)		55.745 Sqm (Square Meter)	
Amount					55.745 X 196.626394384		10960.94	

8. Plastering (AR1004) : First Floor

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	12 mm plaster	2.000	9.100	3.200	0.000	0.000	58.240	-
ii		2.000	7.500	3.200	0.000	0.000	48.000	-
iii	Door	1.000	1.000	1.050	2.100	0.000	-	2.205
iv	Window	3.000	1.000	1.200	1.200	0.000	-	4.320
Total Quantity					99.715 Sqm (Sqm)		99.715 Sqm (Square Meter)	
Amount					99.715 X 177.028843426		17652.43	

9. Plastering (AR1014) : First Floor

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	16 mm plaster	2.000	12.350	3.200	0.000	0.000	79.040	-
ii		2.000	4.450	3.200	0.000	0.000	28.480	-

iii		2.000	3.100	3.200	0.000	0.000	19.840	-	
iv		1.000	1.200	3.200	0.000	0.000	3.840	-	
v		2.000	6.900	1.100	0.000	0.000	15.180	-	
vi	Door	1.000	1.050	2.100	0.000	0.000	-	2.205	
vii		1.000	1.200	2.100	0.000	0.000	-	2.520	
viii		2.000	0.750	2.100	0.000	0.000	-	3.150	
ix	Window	3.000	1.200	1.200	0.000	0.000	-	4.320	
Total Quantity					134.185 Sqm (Sqm)		134.185 Sqm (Square Meter)		
Amount					134.185 X 253.92648461		34073.13		

10. Other Building Items. (AR1901B) : First floor

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	hall	1.000	8.700	3.650	0.000	0.000	31.755	-	
ii	open space	1.000	3.100	1.050	0.000	0.000	3.255	-	
iii		1.000	7.400	3.800	0.000	0.000	28.120	-	
iv		1.000	12.500	1.800	0.000	0.000	22.500	-	
Total Quantity					85.63 Sqm (Sqm)		85.63 Sqm (Square Meter)		
Amount					85.63 X 1015.721848061		86976.26		

11. Flooring (AR0816) : First floor

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm conforming 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	toilet floor	2.000	3.150	1.300	0.000	0.000	8.190	-

ii	landing	1.000	3.800	3.100	0.000	0.000	11.780	-
Total Quantity					19.97 Sft (Square Foot)		1.85527291 Sqm (Square Meter)	
Amount					1.85527291 X 1224.25207265		2271.32	

12. Flooring (AR0817b) : First floor

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	2.000	8.700	0.150	0.000	0.000	2.610	-
ii		2.000	3.650	0.150	0.000	0.000	1.095	-
iii	toilet	4.000	3.150	0.900	0.000	0.000	11.340	-
iv		4.000	1.300	0.900	0.000	0.000	4.680	-
v	verandah	1.000	3.100	0.150	0.000	0.000	0.465	-
vi		1.000	1.500	0.150	0.000	0.000	0.225	-
vii	Hall Door	2.000	1.200	0.150	0.000	0.000	-	0.360
viii	Toilet door	2.000	0.750	0.150	0.000	0.000	-	0.225
ix		2.000	0.750	0.900	0.000	0.000	-	1.350
Total Quantity					18.48 Sqm (Sqm)		18.48 Sqm (Square Meter)	
Amount					18.48 X 901.868918836		16666.54	

13. Painting (AR0901d) : First 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Qty (16mm + 12mm + 6mm)	1.000	289.645	0.000	0.000	0.000	289.645	-
Total Quantity					289.645 Sqm (Sqm)		289.645 Sqm (Square Meter)	

Amount						289.645 X 73.582069974671	21312.68	
14. Painting (AR0920) : First Floor								
Finishing wall two coats with plastic emulsion paint 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Qty (12mm + 6mm)	1.000	189.930	0.000	0.000	0.000	189.930	-
Total Quantity					189.93 Sqm (Sqm)		189.93 Sqm (Square Meter)	
Amount						189.93 X 96.6372683875	18354.32	
15. Painting (AR0918f) : First Floor								
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, Brushes, and putty 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	Qty (12 mm)	1.000	99.715	0.000	0.000	0.000	99.715	-
Total Quantity					99.715 Sqm (Sqm)		99.715 Sqm (Square Meter)	
Amount						99.715 X 91.0277990875	9076.84	
16. 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	2.000	1.200	2.100	0.000	35.000	176.400	-
ii		2.000	0.750	2.100	0.000	35.000	110.250	-
iii	WINDOW	3.000	1.200	1.200	0.000	45.000	194.400	-
Total Quantity					481.05 Kg (Kilo Gram)		4.8105 Qntl (Quintal)	
Amount						4.8105 X 16248.316237087	78162.53	
17. Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm								

Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	RAILING	1.000	38.000	0.000	0.000	0.000	38.000	-
Total Quantity					38 Ft (Feet)		11.582399629363 Rmt (Meter)	
Amount					11.582399629363 X 3129.0244276074		36241.61	
Total Amount							825285.16	
Addition								
Provision for PH Work (+) @							60000.00	
Provision for EI Work (+) @							80000.00	
Provision for Contingency (+) @							0.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							31714.00	
Total Addition							174714.00	
Grand Net Total Amount							999999.16	