

Detailed Estimate

OD/366/3520/120532/427257/00116255 : Const of Addl Class Room at Nuapara Ashram School
Block : Raighar, Gram Panchayat : Chhelidangari
Created By: SUKANTA MEHER

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	Column	9.000	1.200	1.200	1.200	1.000	15.552	-
ii	L/W	3.000	7.930	0.600	0.600	1.000	8.564	-
iii	S/W	2.000	3.330	0.600	0.600	1.000	2.398	-
iv	Verandah S/W	2.000	0.920	0.600	0.600	1.000	0.662	-
v	Column	9.000	1.200	0.600	0.600	1.000	-	3.888
Total Quantity						23.2884 cum (cum)	23.2884 Cum (Cubic Meter)	
Amount						23.2884 X 240.77592	5607.29	
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	Column	9.000	1.200	1.200	0.100	1.000	1.296	-
ii	L/W	3.000	7.930	0.600	0.100	1.000	1.427	-
iii	S/W	2.000	3.300	0.600	0.100	1.000	0.396	-
iv	Verandah S/W	2.000	0.920	0.600	0.100	0.000	0.110	-
v	Inside	1.000	6.880	3.480	0.100	1.000	2.394	-
vi	Inside	1.000	6.880	1.070	0.100	1.000	0.736	-
vii	Column	9.000	1.200	0.600	0.100	1.000	-	0.648

Total Quantity	5.7122 cum (cum)	5.7122 Cum (Cubic Meter)
Amount	5.7122 X 854.362232	4880.29

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	Column	9.000	1.200	1.200	0.100	1.000	1.296	-
ii	L/W	3.000	7.930	0.600	0.450	1.000	6.423	-
iii	L/W	3.000	7.780	0.450	0.450	1.000	4.726	-
iv	S/W	2.000	3.330	0.600	0.450	1.000	1.798	-
v	S/W	2.000	3.480	0.450	0.450	1.000	1.409	-
vi	Verandah	2.000	0.920	0.600	0.450	1.000	0.497	-
vii	S/W	2.000	1.070	0.450	0.450	1.000	0.433	-
viii	Inside	1.000	6.880	3.480	0.100	1.000	2.394	-
ix	Inside	1.000	6.880	1.070	0.100	1.000	0.736	-
x	Front	1.000	7.560	2.100	0.150	1.000	2.381	-
xi	Front	1.000	2.000	3.050	0.150	1.000	0.915	-
xii	Column	9.000	0.230	0.230	0.900	1.000	-	0.428
Total Quantity						22.58171 cum (cum)	22.58171 Cum (Cubic Meter)	
Amount						22.58171 X 6010.3678728	135724.38	

4. R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Column base	9.000	1.200	1.200	0.300	1.000	3.888	-
ii	Column	9.000	0.578	0.000	0.300	1.000	1.560	-
iii	Column	9.000	0.230	0.230	3.400	1.000	1.619	-
iv	Plinth bend L/W	3.000	7.560	0.230	0.230	1.000	1.200	-
v	S/W	2.000	3.700	0.230	0.230	1.000	0.391	-
vi	Verandah S/W	2.000	1.290	0.230	0.230	1.000	0.136	-
vii	Lintel L/W	3.000	7.560	0.230	0.150	1.000	0.782	-
viii	S/W	2.000	3.700	0.230	0.150	1.000	0.255	-
ix	Verandah S/W	2.000	1.290	0.230	0.150	1.000	0.089	-
x	Column(Plinth)	9.000	0.230	0.230	0.230	1.000	-	0.110
xi	Column(Lintel)	9.000	0.230	0.230	0.150	1.000	-	0.071
Total Quantity					9.740096 cum (cum)		9.740096 Cum (Cubic Meter)	
Amount					9.740096 X 6209.996200496		60485.96	
5. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position								
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	Slab	1.000	7.910	0.000	0.000	1.000	7.910	-
Total Quantity					7.91 Qntl (Quintal)		7.91 Qntl (Quintal)	
Amount					7.91 X 8424.4344723		66637.28	
6. Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with C.B. Bricks of size (23cm x 11cm 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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L/W	2.000	7.560	0.230	2.400	1.000	8.346	-	
ii	S/W	2.000	3.700	0.230	2.400	1.000	4.085	-	
iii	Verandah L/W	1.000	7.560	0.230	0.230	1.000	0.400	-	
iv	S/W	2.000	1.290	0.230	0.230	1.000	0.136	-	
v	Gable	1.000	4.160	0.230	0.900	1.000	0.861	-	
vi	DeductionL/W	3.000	7.560	0.230	0.150	1.000	-	0.782	
vii	S/W	2.000	3.700	0.230	0.150	1.000	-	0.255	
viii	Verandah S/W	2.000	1.290	0.230	0.150	1.000	-	0.089	
ix	Door	2.000	0.950	0.230	1.950	1.000	-	0.852	
x	Window	2.000	0.900	0.230	1.200	1.000	-	0.497	
xi	Column	9.000	0.230	0.230	2.400	1.000	-	1.143	
Total Quantity							10.210206 cum (cum)	10.210206 Cum (Cubic Meter)	
Amount							10.210206 X 4895.13434064	49980.33	
7. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc									
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column base	9.000	4.000	0.640	0.300	1.000	6.912	-	
ii	Plinth bend L/W	3.000	7.560	0.000	0.230	2.000	10.433	-	
iii	S/W	2.000	3.700	0.000	0.230	2.000	3.404	-	
iv	Verandah S/W	2.000	1.290	0.000	0.230	2.000	1.187	-	
v	Column	9.000	0.230	0.000	0.230	4.000	-	1.904	

Total Quantity	20.0312 Sqm (Sqm)	20.0312 Sqm (Square Meter)
Amount	20.0312 X 216.39264180804	4334.60

8. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel L/W	3.000	7.560	0.000	0.150	2.000	6.804	-
ii	S/W	2.000	3.700	0.000	0.150	2.000	2.220	-
iii	Verandah S/W	2.000	1.290	0.000	0.150	2.000	0.774	-
Total Quantity						9.798 Sqm (Sqm)	9.798 Sqm (Square Meter)	
Amount						9.798 X 499.57698698128	4894.86	

9. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	9.000	0.230	0.000	3.400	4.000	28.152	-
ii	Deduction Plinth	9.000	0.230	0.000	0.230	4.000	-	1.904
iii	Deduction Lintel	9.000	0.230	0.000	0.150	4.000	-	1.242
Total Quantity						25.0056 Sqm (Sqm)	25.0056 Sqm (Square Meter)	
Amount						25.0056 X 1047.9038224181	26203.46	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	L/W	2.000	7.560	0.000	2.400	1.000	36.288	-	
ii	S/W	2.000	4.160	0.000	2.400	1.000	19.968	-	
iii	S/W	1.000	4.160	0.000	0.900	1.000	3.744	-	
iv	Verandah L/W	1.000	7.560	0.000	0.230	1.000	1.739	-	
v	S/W	1.000	1.520	0.000	0.230	2.000	0.699	-	
vi	Insde	1.000	7.100	0.000	0.230	1.000	1.633	-	
vii	Inside	1.000	1.290	0.000	0.230	2.000	0.593	-	
viii	Deduction:-Door	2.000	0.950	0.000	1.950	1.000	-	3.705	
ix	Window	2.000	0.900	0.000	1.200	1.000	-	2.160	
Total Quantity					58.7994 Sqm (Sqm)		58.7994 Sqm (Square Meter)		
Amount					58.7994 X 172.522078996		10144.19		

11. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L/W	2.000	7.100	0.000	2.400	1.000	34.080	-	
ii	S/W	2.000	3.700	0.000	2.400	1.000	17.760	-	
iii	Gable	1.000	3.700	0.000	0.900	1.000	3.330	-	
iv	Deduction:-Door	2.000	0.950	0.000	1.950	1.000	-	3.705	
v	Window	2.000	0.900	0.000	1.200	1.000	-	2.160	
Total Quantity					49.305 Sqm (Sqm)		49.305 Sqm (Square Meter)		
Amount					49.305 X 247.30904036		12193.57		

12. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher 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	Inside	1.000	7.100	3.700	0.000	1.000	26.270	-
ii	Verandah	1.000	7.560	1.520	0.000	1.000	11.491	-
Total Quantity					37.7612 Sqm (Sqm)		37.7612 Sqm (Square Meter)	
Amount					37.7612 X 377.657442196		14260.80	

13. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

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	16mm	0.000	49.305	0.000	0.000	0.000	49.305	-
ii	12mm	0.000	58.799	0.000	0.000	0.000	58.799	-
Total Quantity					108.1044 Sqm (Sqm)		108.1044 Sqm (Square Meter)	
Amount					108.1044 X 71.83753306751		7765.95	

14. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	Over 12mm plaster	1.000	58.104	0.000	0.000	0.000	58.104	-
Total Quantity					58.1044 Sqm (Sqm)		58.1044 Sqm (Square Meter)	
Amount					58.1044 X 57.09560199		3317.51	

15. Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties

Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Roofing	1.000	7.560	3.650	0.000	2.000	55.188	-
Total Quantity					55.188 Sqm (Sqm)		55.188 Sqm (Square Meter)	
Amount					55.188 X 537.51755491832		29664.52	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	2.000	0.950	0.000	1.950	28.000	103.740	-
ii	Window	2.000	0.900	0.000	1.200	35.000	75.600	-
Total Quantity					179.34 Kg (Kilo Gram)		1.7934 Qntl (Quintal)	
Amount					1.7934 X 15767.434633087		28277.32	
17. 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	Truss	1.000	1.000	0.000	0.000	75.000	75.000	-
ii	Iron pipe	7.000	1.000	0.000	0.000	15.000	105.000	-
Total Quantity					180 Kg (Kilo Gram)		1.8 Qntl (Quintal)	
Amount					1.8 X 13228.517310252		23811.33	
18. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	2.000	0.950	0.000	1.950	2.250	8.336	-
ii	Window	2.000	0.900	0.000	1.200	2.250	4.860	-

Total Quantity	13.19625 Sqm (Sqm)	13.19625 Sqm (Square Meter)
Amount	13.19625 X 230.07605228603	3036.14

Total Amount (A) : 491219.78

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.5000	-	5000
2	Display Citizen Board @ Rs.3780.21	-	3780.21
Additional Components Amount (F) : 8780.21			

Grand Total Amount (A + F) : 499999.99007887
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SUKANTA MEHER
JE
Raighar Block

SIDDHARTH SHANKAR RANA
AEE
Raighar Block

RITU SINGH
BDO
Raighar Block