

Detailed Estimate

**OD/358/3409/118593/423627/00015268 : CONST OF ADDITIONAL CLASS ROOM AT KULERGUDA M.E SCHOOL AT
ARTAL GP**

Block : Bhawanipatna, Panchayat : Artal

Created By:Rasa Bihari Dalai

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	column	9.000	1.200	1.200	1.200	0.000	15.552	-
ii	wall	1.000	21.200	0.600	0.600	0.000	7.632	-
iii	deduct column	9.000	1.200	0.600	0.600	0.000	-	3.888
Total Quantity					19.296 cum (cum)		19.296 Cum (Cubic Meter)	
Amount					19.296 X 235.56432		4545.45	
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	column	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	wall	1.000	21.200	0.600	0.150	0.000	1.908	-
iii	room inner	1.000	5.600	4.100	0.300	0.000	6.888	-
iv	deduct column	9.000	0.600	1.200	0.150	0.000	-	0.972
Total Quantity					9.768 cum (cum)		9.768 Cum (Cubic Meter)	
Amount					9.768 X 517.288872		5052.88	
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	column base	9.000	1.200	1.200	0.100	0.000	1.296	-	
ii	wall bed	1.000	21.200	0.600	0.100	0.000	1.272	-	
iii	hall	1.000	3.750	3.150	0.100	0.000	1.181	-	
iv	VERANDHA	1.000	3.750	1.250	0.100	0.000	0.469	-	
v	deduct column	9.000	0.600	1.200	0.100	0.000	-	0.648	
Total Quantity					3.57 cum (cum)		3.57 Cum (Cubic Meter)		
Amount					3.57 X 5575.55555636		19904.73		

4. R.C.C. Work (AR0404Aa) : 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. (including centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	column 1st footing	9.000	1.000	1.000	0.300	0.000	2.700	-	
ii	C.2nd footing	9.000	0.600	0.600	0.300	0.000	0.972	-	
iii	column up to plinth	9.000	0.250	0.250	0.350	0.000	0.197	-	
Total Quantity					3.868875 cum (cum)		3.868875 Cum (Cubic Meter)		
Amount					3.868875 X 6344.8244700237		24547.33		

5. R.C.C. Work (AR0404Ab) : 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. (including centering and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	plinth band	1.000	21.550	0.250	0.250	0.000	1.347	-	
Total Quantity					1.346875 cum (cum)		1.346875 Cum (Cubic Meter)		

Amount						1.346875 X 7098.1115951654	9560.27	
6. R.C.C. Work (AR0404Ac) : 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. (including centering and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bresher etc)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column up to slab	9.000	0.250	0.250	2.900	0.000	1.631	-
ii	roof band	1.000	21.550	0.250	0.150	0.000	0.808	-
iii	slab beam	1.000	3.650	0.250	0.250	0.000	0.228	-
Total Quantity						2.6675 cum (cum)	2.6675 Cum (Cubic Meter)	
Amount						2.6675 X 14296.270107344	38135.30	
7. R.C.C. Work (AR0404Ad) : 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. (including centering 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	21.550	0.250	0.150	0.000	0.808	-
Total Quantity						0.808125 cum (cum)	0.808125 Cum (Cubic Meter)	
Amount						0.808125 X 12965.299948554	10477.58	
8. R.C.C. Work (AR0404Af) : 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. (including centering and shuttering) complete and as per direction of Engineer-in charge (RCC Sun sheds & Chajja)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	F.chajja	1.000	4.250	0.450	0.000	0.000	1.913	-

ii	w.chajja	2.000	1.500	0.450	0.000	0.000	1.350	-
Total Quantity					3.2625 Sqm (Sqm)		3.2625 Sqm (Square Meter)	
Amount					3.2625 X 1098.4123853835		3583.57	
9. R.C.C. Work (AR0404Ag) : 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. (including centering 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	4.550	5.450	0.125	0.000	3.100	-
Total Quantity					3.0996875 cum (cum)		3.0996875 Cum (Cubic Meter)	
Amount					3.0996875 X 12586.507824414		39014.24	
10. 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	HYSD BAR	1.000	12.280	0.000	0.000	0.000	12.280	-
Total Quantity					12.28 Qntl (Quintal)		12.28 Qntl (Quintal)	
Amount					12.28 X 7924.5486679		97313.46	
11. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm2 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	Sub-structure	1.000	21.425	0.375	0.350	0.000	2.812	-
ii	deduct column	9.000	0.375	0.375	0.350	0.000	-	0.443
Total Quantity					2.3690625 cum (cum)		2.3690625 Cum (Cubic Meter)	

Amount	2.3690625 X 4862.658781248	11519.94
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12. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² 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	super structure	1.000	21.550	0.250	2.900	0.000	15.624	-
ii	dedution ,door	2.000	1.100	0.250	2.150	0.000	-	1.183
iii	window	2.000	1.200	0.250	1.200	0.000	-	0.720
iv	column	9.000	0.250	0.250	2.900	0.000	-	1.631
v	ventilator	4.000	0.450	0.250	0.300	0.000	-	0.135
Total Quantity					11.955 cum (cum)		11.955 Cum (Cubic Meter)	
Amount					11.955 X 4895.988781248		58531.55	

13. 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	in-side hall	2.000	6.900	3.200	0.000	0.000	44.160	-
ii	deduct door	2.000	1.100	0.000	2.150	0.000	-	4.730
iii	window	2.000	1.200	0.000	1.200	0.000	-	2.880
Total Quantity					36.55 Sqm (Sqm)		36.55 Sqm (Square Meter)	
Amount					36.55 X 243.912860012		8915.02	

14. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plster (1:6) over Brick work in outside 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	out side	2.000	7.900	0.000	3.500	0.000	55.300	-	
ii	deduct door	2.000	1.100	0.000	2.150	0.000	-	4.730	
iii	window	2.000	1.200	0.000	1.200	0.000	-	2.880	
Total Quantity					47.69 Sqm (Sqm)		47.69 Sqm (Square Meter)		
Amount					47.69 X 170.4274209272		8127.68		

15. miscellaneous (ARM029) : Doors-Taking out the door or window shutters and refixing them including screws as may be required.(Doors and Window) and as directed by Engineer-in-Charge.

Doors-Taking out the door or window shutters and refixing them including screws as may be required.(Doors and Window) and as directed by Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	door	2.000	1.100	0.000	2.150	0.000	4.730	-	
Total Quantity					4.73 Each (Each)		4.73 Each (Each)		
Amount					4.73 X 71.8		339.61		

16. miscellaneous (ARM030) : Windows-Taking out the door or window shutters and refixing

Windows-Taking out the door or window shutters and refixing them including screws as may be required.(Doors and Window) and as directed by Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	WINDOW	2.000	1.200	0.000	1.200	0.000	2.880	-	
ii	VENTILATOR	4.000	0.450	0.000	0.300	0.000	0.540	-	
Total Quantity					3.42 Each (Each)		3.42 Each (Each)		
Amount					3.42 X 45.03		154.00		

17. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work 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	DOOR	2.000	1.100	2.150	2.250	0.000	10.643	-
ii	WONDOW	2.000	1.200	1.200	2.500	0.000	7.200	-

iii	VENTILATOR	4.000	0.450	0.300	1.250	0.000	0.675	-
Total Quantity					18.5175 Sqm (Sqm)		18.5175 Sqm (Square Meter)	
Amount					18.5175 X 66.453321424133		1230.55	
18. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL(In side & out side wall surface)	1.000	84.240	0.000	0.000	0.000	84.240	-
ii	ceiling	1.000	24.800	0.000	0.000	0.000	24.800	-
Total Quantity					109.04 Sqm (Sqm)		109.04 Sqm (Square Meter)	
Amount					109.04 X 70.025186666667		7635.55	
19. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)								
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	IN SIDE AREA	1.000	36.550	0.000	0.000	0.000	36.550	-
ii	CEILLING	1.000	24.800	0.000	0.000	0.000	24.800	-
Total Quantity					61.35 Sqm (Sqm)		61.35 Sqm (Square Meter)	
Amount					61.35 X 99.279619025		6090.80	
20. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUT SIDE AREA	1.000	47.690	0.000	0.000	0.000	47.690	-
Total Quantity					47.69 Sqm (Sqm)		47.69 Sqm (Square Meter)	

Amount					47.69 X 55.924004515	2667.02		
21. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor	1.000	3.750	3.150	0.000	0.000	11.813	-
ii	dado	2.000	6.900	0.100	0.000	0.000	1.380	-
Total Quantity					13.1925 Sqm (Sqm)		13.1925 Sqm (Square Meter)	
Amount					13.1925 X 1202.339065685		15861.86	
Total Amount							373208.39	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4000.00	
Display Citizen Board (+) @							2500.00	
Any Other Lumpsum (+) @							20291.60	
Total Addition							26791.60	
Grand Net Total Amount							399999.99	