

## Detailed Estimate

**OD/365/3490/120097/390469/00014273 : Construction of Boundary wall of Banasthali High School,Badjode**

**Block : Baripada, Panchayat : Badjode**

**Created By:CHAPALA CHANDA PRADHAN**

<b>1. Earth Work (AR0103a1) : Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m to 75m lead and 1.5m</b>								
Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m to 75m 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 specification approved by the dept.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	79.000	1.500	1.000	1.000	118.500	-
ii	col	11.000	3.000	3.000	3.000	0.000	297.000	-
Total Quantity						415.5 Cft (Cubic Foot)	11.7656304 Cum (Cubic Meter)	
Amount						<b>11.7656304 X 319.837912</b>	<b>3763.09</b>	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	col	11.000	3.000	3.000	0.500	1.000	49.500	-
ii	wall	1.000	102.830	1.500	0.330	1.000	50.901	-
Total Quantity						100.40085 Cft (Cubic Foot)	2.84303078928 Cum (Cubic Meter)	
Amount						<b>2.84303078928 X 1333.257772</b>	<b>3790.49</b>	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	col	11.000	3.000	3.000	0.330	1.000	32.670	-

ii	wall	1.000	102.830	1.500	0.330	1.000	50.901	-
Total Quantity					83.57085 Cft (Cubic Foot)		2.36645904528 Cum (Cubic Meter)	
Amount					<b>2.36645904528 X 6088.09196022</b>		<b>14407.22</b>	
<b>4. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
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	wall	1.000	112.000	1.000	5.830	1.000	652.960	-
ii	top	1.000	112.000	1.000	1.000	1.000	112.000	-
Total Quantity					764.96 Sft (Square Foot)		71.06707888 Sqm (Square Meter)	
Amount					<b>71.06707888 X 247.820233074</b>		<b>17611.86</b>	
<b>5. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork</b>								
Priming one coat in inner surface with primer of approved quality over woodwork 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	1.000	131.728	1.000	1.000	1.000	131.728	-
Total Quantity					131.728 Sft (Square Foot)		12.237926384 Sqm (Square Meter)	
Amount					<b>12.237926384 X 71.131948635833</b>		<b>870.51</b>	
<b>6. R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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 centering and shuttering)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	11.000	3.000	3.000	0.830	0.000	82.170	-

ii	2nd	11.000	1.500	1.500	0.500	0.000	12.375	-
iii	g beam	1.000	112.000	0.830	0.830	0.000	77.157	-
iv	col	11.000	0.830	0.830	5.500	0.000	41.679	-
Total Quantity					213.38025 Cft (Cubic Foot)		6.0422458632 Cum (Cubic Meter)	
Amount					6.0422458632 X 6164.9212572694		37249.97	

**7. 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<sup>2</sup> 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	wall	1.000	102.830	0.830	5.000	0.000	426.745	-
Total Quantity					426.7445 Cft (Cubic Foot)		12.0840386576 Cum (Cubic Meter)	
Amount					12.0840386576 X 5179.231065096		62586.03	

**8. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer**

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, 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	wall	1.000	131.728	1.000	1.000	1.000	131.728	-
Total Quantity					131.728 Sft (Square Foot)		12.237926384 Sqm (Square Meter)	
Amount					12.237926384 X 158.48919230825		1939.58	

**9. Plastering (AR1004) : Fourth 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	wall	1.000	112.000	1.000	5.830	1.000	652.960	-

Total Quantity		652.96 Sft (Square Foot)		60.66194288 Sqm (Square Meter)				
<b>Amount</b>		<b>60.66194288 X 190.36393052251</b>		<b>11547.85</b>				
<b>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</b>								
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	steel	1.000	6.042	1.000	0.750	1.000	4.532	-
Total Quantity		4.5315 Qntl (Quintal)		4.5315 Qntl (Quintal)				
<b>Amount</b>		<b>4.5315 X 7922.0096289</b>		<b>35898.59</b>				
<b>Total Amount</b>		<b>189665.19</b>						
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @								
Display Citizen Board (+) @								
Any Other Lumpsum (+) @								
<b>Total Addition</b>		<b>10334.65</b>						
<b>Grand Net Total Amount</b>		<b>199999.84</b>						