

## Detailed Estimate

**OD/344/3281/115700/404677/00074729 : Construction of Boundary Wall at Jairat High School**

**Block : Kishorenagar, Gram Panchayat : Jairat**

**Created By: Smitarani Sahoo**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	wall	1.000	37.000	0.600	0.600	0.000	13.320	-
Total Quantity					13.32 cum (cum)		13.32 Cum (Cubic Meter)	
Amount					13.32 X 240.77592		3207.14	
<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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	37.000	0.600	0.150	0.000	3.330	-
Total Quantity					3.33 cum (cum)		3.33 Cum (Cubic Meter)	
Amount					3.33 X 682.359232		2272.26	
<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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	37.000	0.600	0.150	0.000	3.330	-
Total Quantity					3.33 cum (cum)		3.33 Cum (Cubic Meter)	

<b>Amount</b>		<b>3.33 X 6003.84247288</b>					<b>19992.80</b>	
<b>4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
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/cm <sup>2</sup> 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	wall	1.000	37.000	0.500	0.150	0.000	2.775	-
ii		1.000	37.000	0.380	0.500	0.000	7.030	-
Total Quantity					9.805 cum (cum)		9.805 Cum (Cubic Meter)	
<b>Amount</b>					<b>9.805 X 5131.501241384</b>		<b>50314.37</b>	
<b>5. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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> 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	wall	1.000	37.000	0.250	1.300	0.000	12.025	-
ii	pillar	18.000	0.380	0.380	1.300	0.000	3.379	-
iii	coping	1.000	37.000	0.125	0.100	0.000	0.463	-
iv	pillar	18.000	0.380	0.250	1.300	0.000	-	2.223
Total Quantity					13.64346 cum (cum)		13.64346 Cum (Cubic Meter)	
<b>Amount</b>					<b>13.64346 X 5164.831241384</b>		<b>70466.17</b>	
<b>6. Flooring (AR0820) : 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips</b>								

2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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	1	1.000	37.000	0.380	0.000	0.000	14.060	-
Total Quantity					14.06 Sqm (Sqm)		14.06 Sqm (Square Meter)	
Amount					14.06 X 352.6265973288		4957.93	

**7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	37.000	0.000	1.700	0.000	62.900	-
Total Quantity					62.9 Sqm (Sqm)		62.9 Sqm (Square Meter)	
Amount					62.9 X 173.1627039776		10891.93	

**8. 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	1.000	37.000	0.000	1.700	0.000	62.900	-
Total Quantity					62.9 Sqm (Sqm)		62.9 Sqm (Square Meter)	
Amount					62.9 X 248.075866296		15603.97	

**9. Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).**

Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer 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)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	37.000	0.000	1.700	0.000	125.800	-
Total Quantity					125.8 Sqm (Sqm)		125.8 Sqm (Square Meter)	
Amount					125.8 X 163.14652836363		20523.83	
Total Amount							198230.39	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2020.00	
Display Citizen Board (+) @							1668.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							3688.00	
Grand Net Total Amount							201918.39	

Smitarani Sahoo  
JE  
Kishorenagar Block

DEEPTIRANEE PRADHAN  
AEE  
Kishorenagar Block

SUBRAT KUMAR BEHERA  
BDO  
Kishorenagar Block