

## Detailed Estimate

**OD/360/3441/119214/395660/00065707 : Repair and Restoration of Nabajyoti Community Center**  
**Block : Rajkanika, Gram Panchayat : Jagulaipada**  
**Created By:NIHAR RANJAN PARIDA**

<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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	For Footing	1.000	1.000	1.000	1.000	0.000	1.000	-
ii	Foundation wall	1.000	35.250	0.450	0.300	0.000	4.759	-
iii	Foundation Footing	14.000	1.000	0.450	0.300	0.000	-	1.890
Total Quantity					3.86875 cum (cum)		3.86875 Cum (Cubic Meter)	
Amount					3.86875 X 240.77592		931.50	
<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	Footing	1.000	1.000	1.000	0.150	0.000	0.150	-
ii	Foundation wall bottom	1.000	35.250	0.450	0.150	0.000	2.379	-
iii	Column	14.000	0.250	0.250	0.150	0.000	0.131	-
Total Quantity					2.660625 cum (cum)		2.660625 Cum (Cubic Meter)	
Amount					2.660625 X 901.872632		2399.54	
<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	Footing	14.000	1.000	1.000	0.150	0.000	2.100	-
ii	Foundation wall Base	1.000	35.250	0.450	0.100	0.000	1.586	-
iii	Column	14.000	0.250	0.250	0.100	0.000	-	0.088
Total Quantity					3.59875 cum (cum)		3.59875 Cum (Cubic Meter)	
Amount					3.59875 X 6261.21025676		22532.53	

**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 centring 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	For Footing	14.000	1.000	1.000	0.250	0.000	3.500	-
ii	Column Upto Plinth	14.000	1.000	0.250	0.250	0.000	0.875	-
iii	Plinth Beam	1.000	51.550	0.250	0.250	0.000	3.222	-
Total Quantity					7.596875 cum (cum)		7.596875 Cum (Cubic Meter)	
Amount					7.596875 X 6820.4418439741		51814.04	

**5. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth**

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	Foundation wall	1.000	35.250	0.250	0.275	0.000	2.423	-
ii	Deduction	14.000	0.250	0.250	0.275	0.000	-	0.241
Total Quantity					2.1828125 cum (cum)		2.1828125 Cum (Cubic Meter)	
Amount					2.1828125 X 5240.181360568		11438.33	

**6. 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	Footing	14.000	4.000	0.400	0.000	0.000	22.400	-
ii	Plinth Beam	2.000	51.250	0.250	0.000	0.000	25.625	-
Total Quantity					48.025 Sqm (Sqm)		48.025 Sqm (Square Meter)	
Amount					48.025 X 218.05663409924		10472.17	

**7. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column upto Plinth	14.000	1.000	1.000	0.000	0.000	14.000	-
Total Quantity					14 Sqm (Sqm)		14 Sqm (Square Meter)	
Amount					14 X 1053.405101961		14747.67	

**8. 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	Footing	14.000	30.000	0.000	0.000	0.000	420.000	-
ii	Column	14.000	10.750	0.000	0.000	0.000	150.500	-
iii	Ring For Column	14.000	3.500	0.000	0.000	0.000	49.000	-
iv	Plinth Beam	1.000	230.000	0.000	0.000	0.000	230.000	-
v	Ring For Plinth beam	1.000	100.000	0.000	0.000	0.000	100.000	-
<b>Total Quantity</b>					949.5 Kg (Kilo Gram)		9.495 Qntl (Quintal)	
<b>Amount</b>					9.495 X 8685.8748711		82472.38	
<b>Total Amount</b>							<b>196808.18</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2000.00	
Display Citizen Board (+) @							1190.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>3190.00</b>	
<b>Grand Net Total Amount</b>							<b>199998.18</b>	

NIHAR RANJAN PARIDA  
JE  
Rajkanika Block

SUDHANSU SEKHAR PATRA  
AEE  
Rajkanika Block

KAILASH CHANDRA MAHALIK  
BDO  
Rajkanika Block