

## Detailed Estimate

**OD/347/3311/116364/380886/00017598 : Completion of Kalyan mandap Harijanpada,Lurupali,Manapada**  
**Block : Attabira, Gram Panchayat : Manapada**  
**Created By:Basanta Kumar Behera**

<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	portico column	2.000	1.200	1.200	1.200	0.000	3.456	-
ii	l.wall	2.000	4.300	0.400	0.450	0.000	1.548	-
iii	staircase wall	1.000	1.200	0.300	0.300	0.000	0.108	-
iv	s.wall	1.000	3.500	0.400	0.450	0.000	0.630	-
<b>Total Quantity</b>					<b>5.742 cum (cum)</b>		<b>5.742 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>5.742 X 240.77592</b>		<b>1382.54</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	portico column	2.000	1.200	1.200	0.150	0.000	0.432	-
ii	l.wall	2.000	4.300	0.400	0.150	0.000	0.516	-
iii	staircase wall	1.000	1.200	0.300	0.150	0.000	0.054	-
iv	s.wall	1.000	3.500	0.400	0.150	0.000	0.210	-
v	Hall	1.000	14.250	9.150	0.300	0.000	39.116	-

vi	room	1.000	4.700	4.450	0.300	0.000	6.275	-
vii	potico	1.000	3.650	3.650	0.450	0.000	5.995	-
viii	column filling	2.000	1.200	1.200	0.300	0.000	0.864	-
Total Quantity					53.461875 cum (cum)		53.461875 Cum (Cubic Meter)	
Amount					53.461875 X 761.502832		40711.37	

### 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	portico column	2.000	1.200	1.200	0.150	0.000	0.432	-
ii	l.wall	2.000	4.300	0.400	0.150	0.000	0.516	-
iii	staircase wall	1.000	1.200	0.300	0.150	0.000	0.054	-
iv	s.wall	1.000	3.500	0.400	0.150	0.000	0.210	-
v	Hall	1.000	14.250	9.150	0.100	0.000	13.039	-
vi	room	1.000	4.700	4.450	0.100	0.000	2.092	-
vii	potico	1.000	3.650	3.650	0.100	0.000	1.332	-
Total Quantity					17.6745 cum (cum)		17.6745 Cum (Cubic Meter)	
Amount					17.6745 X 5810.64488346		102700.24	

### 4. 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 centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	15.000	0.400	0.250	1.200	0.000	1.800	-
ii		2.000	0.250	0.250	2.400	0.000	0.300	-
iii	portico beam	2.000	4.150	0.250	0.250	0.000	0.519	-
iv		1.000	3.650	0.250	0.250	0.000	0.228	-
Total Quantity					2.846875 cum (cum)		2.846875 Cum (Cubic Meter)	
Amount					2.846875 X 14499.688117751		41278.80	

**5. 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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	km l wall	2.000	14.750	0.250	0.150	0.000	1.106	-
ii		2.000	5.250	0.250	0.150	0.000	0.394	-
iii	s wall	2.000	13.850	0.250	0.150	0.000	1.039	-
iv		1.000	4.450	0.250	0.150	0.000	0.167	-
Total Quantity					2.705625 cum (cum)		2.705625 Cum (Cubic Meter)	
Amount					2.705625 X 13108.218958961		35465.92	

**6. R.C.C. Work (AR0404Ae) : 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 Stairs excluding landing but including railing)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
-------	-------------	----	---	---	---	----	----------	-----------

i		1.000	3.650	1.200	0.100	0.000	0.438	-
ii	landing	1.000	1.200	1.200	0.100	0.000	0.144	-
iii	steps	10.000	1.200	0.250	0.150	0.500	0.225	-
Total Quantity					0.807 cum (cum)		0.807 Cum (Cubic Meter)	
Amount					0.807 X 14384.617174038		11608.39	

**7. 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 centring 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	portico slab	1.000	4.150	4.150	0.125	0.000	2.153	-
ii	chajja	2.000	4.500	0.600	0.075	0.000	0.405	-
iii		1.000	4.150	0.600	0.075	0.000	0.187	-
Total Quantity					2.7445625 cum (cum)		2.7445625 Cum (Cubic Meter)	
Amount					2.7445625 X 12745.819134821		34981.70	

**8. 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	column	2.000	1.200	1.200	0.300	0.000	0.864	-
ii		2.000	0.600	0.600	0.300	0.000	0.216	-
Total Quantity					1.08 cum (cum)		1.08 Cum (Cubic Meter)	

Amount						1.08 X 6443.9347304307	6959.45	
<b>9. R.C.C. Work (AR0404Ab) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	3.800	0.250	0.250	0.000	0.475	-
ii		1.000	3.650	0.250	0.250	0.000	0.228	-
iii	staircase	1.000	1.200	0.250	0.250	0.000	0.075	-
Total Quantity						0.778125 cum (cum)	0.778125 Cum (Cubic Meter)	
Amount						0.778125 X 7200.7568555724	5603.09	
<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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1000.000	0.000	0.000	0.000	0.000	1000.000	-
Total Quantity						1000 Kg (Kilo Gram)	10 Qntl (Quintal)	
Amount						10 X 8426.9349192	84269.35	
<b>11. 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	l wall	2.000	4.300	0.400	0.450	0.000	1.548	-	
ii	s wall	1.000	3.300	0.400	0.450	0.000	0.594	-	
iii	column	2.000	0.250	0.250	0.450	0.000	-	0.056	
Total Quantity					2.08575 cum (cum)		2.08575 Cum (Cubic Meter)		
Amount					2.08575 X 5167.501817128		10778.12		

### 12. 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> with dimensional tolerance  $\pm 8$  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	km l wall	2.000	14.750	0.250	1.200	0.000	8.850	-	
ii		1.000	5.250	0.250	1.200	0.000	1.575	-	
iii	s wall	2.000	13.850	0.250	1.200	0.000	8.310	-	
iv		1.000	4.450	0.250	1.200	0.000	1.335	-	
v	deduct column	10.000	0.250	0.250	1.200	0.000	-	0.750	
Total Quantity					19.32 cum (cum)		19.32 Cum (Cubic Meter)		
Amount					19.32 X 5200.831817128		100480.07		

### 13. Concrete (AR0317) : Fifth Floor

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i		1.000	4.150	4.150	0.000	0.000	17.223	-	
Total Quantity					17.2225 Sqm (Sqm)		17.2225 Sqm (Square Meter)		

<b>Amount</b>	17.2225 X 597.2461837722	10286.07
<b>Total Amount</b>		486505.10
<b>Addition</b>		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		2500.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		5994.89
Provision for survey investigation and quality control (+) @		
<b>Total Addition</b>		<b>13494.89</b>
<b>Grand Net Total Amount</b>		<b>499999.99</b>

**JE**  
Attabira Block

**Smt Manishiba Mahapatra**  
**AEE**  
Attabira Block

**RIPUNATH SUNA**  
**BDO**  
Attabira Block