

## Detailed Estimate

**OD/355/3386/118047/398250/00110999 : Construction of Jagyan Mandap at Netapur**  
**Block : Balikuda, Gram Panchayat : Arilo**  
**Created By:SANJAY KUMAR KALLO**

<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	column	16.000	4.000	4.000	4.000	0.000	1024.000	-
ii	wall	4.000	18.830	2.000	2.000	0.000	301.280	-
iii	iner wall	4.000	7.410	2.000	2.000	0.000	118.560	-
iv	col	16.000	4.000	2.000	2.000	0.000	-	256.000
<b>Total Quantity</b>					<b>1187.84 Cft (Cubic Foot)</b>		<b>33.635827712 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>33.635827712 X 240.77592</b>		<b>8098.70</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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	16.000	4.000	4.000	0.500	0.000	128.000	-
ii	wall	4.000	18.830	2.000	0.500	0.000	75.320	-
iii		4.000	7.410	2.000	0.500	0.000	29.640	-
iv	col	16.000	4.000	2.000	0.500	0.000	-	64.000
v	plinth filling	1.000	18.830	18.830	2.000	0.000	709.138	-
<b>Total Quantity</b>					<b>878.0978 Cft (Cubic Foot)</b>		<b>24.86491978304 Cum (Cubic Meter)</b>	

<b>Amount</b>						<b>24.86491978304 X 741.302832</b>	<b>18432.44</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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	16.000	4.000	4.000	0.500	0.000	128.000	-
ii	wall	4.000	18.830	2.000	0.500	0.000	75.320	-
iii	wall	4.000	7.410	2.000	0.500	0.000	29.640	-
iv	col	16.000	4.000	2.000	0.500	0.000	-	64.000
Total Quantity						168.96 Cft (Cubic Foot)	4.784406528 Cum (Cubic Meter)	
<b>Amount</b>						<b>4.784406528 X 6750.38071462</b>	<b>32296.57</b>	
<b>4. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	16.000	4.000	4.000	1.000	0.000	256.000	-
ii	2nd	16.000	2.000	2.000	1.500	0.000	96.000	-
iii	3rd	16.000	1.250	1.250	2.500	0.000	62.500	-
iv	col	16.000	1.250	1.250	5.000	0.000	-	125.000
Total Quantity						289.5 Cft (Cubic Foot)	8.1977136 Cum (Cubic Meter)	
<b>Amount</b>						<b>8.1977136 X 7224.1930597439</b>	<b>59221.87</b>	
<b>5. 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	plinth band	4.000	18.830	0.250	0.660	0.000	12.428	-
ii		4.000	7.410	0.250	0.660	0.000	4.891	-
Total Quantity					17.3184 Cft (Cubic Foot)		0.49040166912 Cum (Cubic Meter)	
Amount					<b>0.49040166912 X 7981.0151848856</b>		<b>3913.90</b>	

**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 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	col	16.000	1.250	0.830	9.000	0.000	149.400	-
ii		4.000	0.830	0.830	2.250	0.000	6.200	-
iii		4.000	0.830	0.830	2.000	0.000	5.511	-
iv	beam	4.000	18.830	0.830	0.660	0.000	41.260	-
v		4.000	7.410	0.830	0.660	2.000	32.474	-
vi		4.000	4.410	0.830	0.660	0.000	9.663	-
Total Quantity					244.508372 Cft (Cubic Foot)		6.9236946682496 Cum (Cubic Meter)	
Amount					<b>6.9236946682496 X 15279.946447064</b>		<b>105793.68</b>	

**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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1	1.000	20.830	20.830	0.370	0.000	160.539	-
ii	1	1.000	9.410	9.410	0.370	0.000	32.763	-
iii	1	1.000	4.830	4.830	0.370	0.000	8.632	-
iv	1	1.000	4.910	4.910	0.370	0.000	-	8.920
v	1	1.000	3.830	3.830	0.370	0.000	-	5.427
Total Quantity					187.585893 Cft (Cubic Foot)		5.3118322149024 Cum (Cubic Meter)	
Amount					5.3118322149024 X 13526.077464134		71848.25	

**8. 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	wall	4.000	18.830	1.660	0.330	0.000	41.260	-
ii		4.000	18.830	1.250	3.000	0.000	282.450	-
iii		4.000	7.410	1.250	3.000	0.000	111.150	-
iv	col	16.000	1.250	1.250	3.000	0.000	-	75.000
v	step	4.000	7.410	1.000	0.500	4.000	59.280	-
vi		4.000	4.160	0.830	0.830	2.000	22.927	-
Total Quantity					442.066888 Cft (Cubic Foot)		12.517919654118 Cum (Cubic Meter)	
Amount					12.517919654118 X 5203.235848216		65133.69	

**9. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	m20 qnty	1.000	0.000	0.000	20.910	0.700	14.637	-
Total Quantity					14.637 Qntl (Quintal)		14.637 Qntl (Quintal)	
Amount					14.637 X 8640.8123172		126475.57	

<b>Total Amount (A) : 491214.66</b>
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Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.5000	-	5000
2	Provision for Contingency @ Rs.3785	-	3785
Additional Components Amount (F) :			8785

<b>Grand Total Amount (A + F) : 499999.66317346</b>
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