

## Detailed Estimate

**OD/362/3458/119572/408182/00069482 : CONSTRUCTION OF KALYAN MANDAP AT JIBANDEIPUR**

**Block : Banapur, Gram Panchayat : Nachuni**

**Created By: MANIKA 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	columns	19.000	5.500	5.500	5.500	0.000	3161.120	-	
ii	l/w	2.000	66.170	2.500	2.500	0.000	827.125	-	
iii	s/w	3.000	28.420	2.500	2.500	0.000	532.875	-	
iv	s/w	2.000	10.330	2.500	2.500	0.000	129.125	-	
v	column	19.000	5.500	2.500	2.500	0.000	-	653.125	
<b>Total Quantity</b>					<b>3997.125 Cft (Cubic Foot)</b>		<b>113.1857892 Cum (Cubic Meter)</b>		
<b>Amount</b>					<b>113.1857892 X 240.77592</b>		<b>27252.41</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	columns	19.000	5.500	5.500	0.500	0.000	287.375	-	
ii	l/w	2.000	66.170	2.500	0.330	0.000	109.180	-	
iii	s/w	3.000	28.420	2.500	0.330	0.000	70.340	-	
iv	s/w	2.000	10.330	2.500	0.330	0.000	17.045	-	

v	columns	19.000	5.500	2.500	0.330	0.000	-	86.213
Total Quantity					397.727 Cft (Cubic Foot)		11.2623559136 Cum (Cubic Meter)	
Amount					11.2623559136 X 1493.237732		16817.37	

### 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	columns	19.000	5.500	5.500	0.500	0.000	287.375	-
ii	L/W	2.000	66.170	2.500	0.500	0.000	165.425	-
iii	S/W	3.000	28.420	2.500	0.500	0.000	106.575	-
iv	S/W	2.000	10.330	2.500	0.500	0.000	25.825	-
v	columns	19.000	5.500	2.500	0.500	0.000	-	130.625
Total Quantity					454.575 Cft (Cubic Foot)		12.87210936 Cum (Cubic Meter)	
Amount					12.87210936 X 6168.4428415		79400.87	

### 4. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1ST FOOTING	2.000	65.330	1.660	1.500	0.000	325.343	-
ii	S/W	3.000	29.260	1.660	1.500	0.000	218.572	-
iii	S/W	2.000	11.170	1.660	1.500	0.000	55.627	-
iv	2NDFOOTING	2.000	64.500	0.830	4.000	0.000	428.280	-

v	S/W	3.000	30.090	0.830	4.000	0.000	299.696	-
vi	S/W	2.000	12.000	0.830	4.000	0.000	79.680	-
vii	COLUMN	19.000	1.500	0.830	4.000	0.000	-	94.620
Total Quantity					1312.5786 Cft (Cubic Foot)		37.16802570048 Cum (Cubic Meter)	
Amount					37.16802570048 X 5867.4828698		218082.75	

**5. 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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	FOOTING COLUMN	19.000	5.500	5.500	1.660	0.000	954.085	-
ii	PEDESTAL	19.000	3.000	3.000	1.660	0.000	283.860	-
iii	COLUMN UP TO PLITH	11.000	1.000	1.000	5.000	0.000	55.000	-
iv	COLUMN UP TO PLITH	8.000	1.500	1.000	5.000	0.000	60.000	-
Total Quantity					1352.945 Cft (Cubic Foot)		38.311072976 Cum (Cubic Meter)	
Amount					38.311072976 X 6641.0181040415		254424.53	

**6. R.C.C. Work (AR0404Ab) : 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 Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	L/W	2.000	64.500	0.830	1.000	0.000	107.070	-
ii	S/W	7.000	30.080	0.830	1.000	0.000	174.765	-
iii	S/W	3.000	12.000	0.830	1.000	0.000	29.880	-
Total Quantity					311.7148 Cft (Cubic Foot)		8.82676564864 Cum (Cubic Meter)	
Amount					8.82676564864 X 7397.8402291832		65299.00	
<b>7. 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	M.S ROD	1.000	39.500	1.000	0.000	0.000	39.500	-
Total Quantity					39.5 Qntl (Quintal)		39.5 Qntl (Quintal)	
Amount					39.5 X 8429.1795735		332952.59	
<b>Total Amount</b>							<b>994229.54</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4770.00	
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>5770.00</b>	
<b>Grand Net Total Amount</b>							<b>999999.54</b>	

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