

## Detailed Estimate

**OD/346/3304/116200/393471/00063507 : Const of Bhogamandap at Gayatri Ashram Nuasahi GP Achyutipur**  
**Block : Khaira, Gram Panchayat : Achutipur**  
**Created By: Santosh Kumar Prusty**

<b>1. Pile Foundation (AR1501bd) : Single under reamed pile foundation 300 mm dia and 4.5 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips</b>								
Single under reamed pile foundation 300 mm dia and 4.5 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (300mm dia and 4.5 meter long)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pile	22.000	0.000	0.000	0.000	0.000	22.000	-
Total Quantity					22 Nos (Number)		22 Nos (Number)	
Amount					22 X 4655.64714226		102424.24	
<b>2. 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	Pilecap	10.000	5.330	3.330	0.330	0.000	58.571	-
ii	Plinth beam	5.000	13.160	1.160	0.330	0.000	25.188	-
iii	Plinth Beam	4.000	7.830	1.160	0.330	0.000	11.989	-
iv	Plinth Beam	4.000	8.250	1.160	0.330	0.000	12.632	-
Total Quantity					108.381306 Cft (Cubic Foot)		3.0690117657408 Cum (Cubic Meter)	
Amount					3.0690117657408 X 6825.8515587		20948.62	
<b>3. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pilecap	10.000	5.000	3.000	1.500	0.000	225.000	-
ii	Plinth beam	5.000	13.160	0.830	1.500	0.000	81.921	-
iii	Plinth Beam	4.000	7.830	0.830	1.500	0.000	38.993	-
iv	Plinth Beam	4.000	8.250	0.830	1.500	0.000	41.085	-
v	Column	10.000	1.500	0.830	7.000	0.000	87.150	-
Total Quantity					474.1494 Cft (Cubic Foot)		13.42639372992 Cum (Cubic Meter)	
Amount					13.42639372992 X 6928.923870539		93030.46	

**4. 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	Rebar	1.000	20.000	0.000	0.000	0.000	20.000	-
Total Quantity					20 Qntl (Quintal)		20 Qntl (Quintal)	
Amount					20 X 8421.6029474		168432.06	

**5. 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	Pilecap	10.000	5.000	2.000	1.500	0.000	150.000	-

ii	Pilecap	10.000	3.000	2.000	1.500	0.000	90.000	-
iii	Plinth Beam	4.000	7.830	2.000	1.500	0.000	93.960	-
iv	Plinth Beam	4.000	8.250	2.000	1.500	0.000	99.000	-
v	Plinth Beam	5.000	13.160	2.000	1.500	0.000	197.400	-
vi	Deduction	26.000	0.830	0.000	1.500	0.000	-	32.370

Total Quantity					597.99 Sft (Square Foot)		55.55506497 Sqm (Square Meter)	
Amount					55.55506497 X 216.23489289764		12012.94	

#### 6. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed

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	Plinth Area	2.000	18.000	10.000	0.500	0.000	180.000	-
ii	Plinth Area	2.000	18.000	10.400	0.500	0.000	187.200	-
iii	Deduction	16.000	2.400	1.080	0.500	0.000	-	20.736
Total Quantity					346.464 Cft (Cubic Foot)		9.8107517952 Cum (Cubic Meter)	
Amount					9.8107517952 X 1596.207232		15659.99	

#### 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	10.000	4.660	0.000	7.000	0.000	326.200	-
Total Quantity					326.2 Sft (Square Foot)		30.3049586 Sqm (Square Meter)	

<b>Amount</b>		30.3049586 X 1047.3822930467		31740.88				
<b>8. 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	Brick wall	2.000	40.840	0.830	3.000	0.000	203.383	-
ii	Brick wall	2.000	16.830	0.830	3.000	0.000	83.813	-
iii	Brickwall	1.000	16.830	0.830	3.000	0.000	41.907	-
Total Quantity					329.1033 Cft (Cubic Foot)		9.31915232544 Cum (Cubic Meter)	
<b>Amount</b>		9.31915232544 X 5510.55209776		51353.67				
<b>Total Amount</b>							<b>495602.86</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							397.10	
Display Citizen Board (+) @							4000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>4397.10</b>	
<b>Grand Net Total Amount</b>							<b>499999.96</b>	

**Santosh Kumar Prusty**  
**JE**  
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