

## Detailed Estimate

**OD/362/3458/119564/408421/00102755 : Construction of Protection wall at Pendurapalli Pond**  
**Block : Banapur, Gram Panchayat : Bheteswar**  
**Created By:snigdharani jena**

<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	14.000	4.000	4.000	4.000	0.000	896.000	-
ii	Wall	1.000	153.380	2.500	3.000	0.000	1150.350	-
iii	Column	14.000	4.000	4.000	4.000	0.000	-	896.000
<b>Total Quantity</b>						<b>1150.35 Cft (Cubic Foot)</b>	<b>32.57423088 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>32.57423088 X 240.77592</b>	<b>7843.09</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	Column	14.000	4.000	4.000	0.500	0.000	112.000	-
ii	Wall	1.000	153.380	2.500	0.500	0.000	191.725	-
iii	Column	14.000	4.000	2.500	0.500	0.000	-	70.000
iv	Plinth Protection	1.000	165.000	4.000	2.000	0.000	1320.000	-
<b>Total Quantity</b>						<b>1553.725 Cft (Cubic Foot)</b>	<b>43.99652008 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>43.99652008 X 1493.237732</b>	<b>65697.26</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	Column	14.000	4.000	4.000	0.500	0.000	112.000	-	
ii	Wall	1.000	153.380	2.500	0.330	0.000	126.538	-	
iii	Column	14.000	4.000	2.500	0.330	0.000	-	46.200	
iv	Protection Wall	1.000	165.000	1.000	8.160	0.000	1346.400	-	
Total Quantity							1538.7385 Cft (Cubic Foot)	43.5721503568 Cum (Cubic Meter)	
Amount							<b>43.5721503568 X 6192.6828415</b>	<b>269828.51</b>	

**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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column Base	14.000	4.000	4.000	0.830	0.000	185.920	-	
ii	Pedestral	14.000	1.500	1.500	1.500	0.000	47.250	-	
iii	Bottom Slab	1.000	165.000	2.000	2.000	0.000	660.000	-	
Total Quantity							893.17 Cft (Cubic Foot)	25.291716256 Cum (Cubic Meter)	
Amount							<b>25.291716256 X 6663.7431040415</b>	<b>168537.50</b>	

**5. 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
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i	Up To Plinth	14.000	0.830	0.830	0.660	0.000	6.365	-
ii	Above plinth	14.000	0.830	0.830	12.000	0.000	115.735	-
Total Quantity					122.100636 Cft (Cubic Foot)		3.4574992894848 Cum (Cubic Meter)	
Amount					3.4574992894848 X 14719.496491361		50892.65	

**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
i	Top Slab	1.000	165.000	1.000	1.000	0.000	165.000	-
Total Quantity					165 Cft (Cubic Foot)		4.672272 Cum (Cubic Meter)	
Amount					4.672272 X 7420.5652291832		34670.90	

**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**

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	Column Base 10mm	14.000	18.000	5.000	0.305	0.620	238.110	-
ii		14.000	18.000	5.000	0.305	0.620	238.110	-
iii	Column 10 mm	14.000	6.000	17.000	0.305	0.620	269.858	-
iv	Ring 8 mm	14.000	33.000	3.000	0.305	0.395	166.869	-
v	Plinth Band	1.000	6.000	165.000	0.305	1.580	476.768	-
vi	Ring 8 mm	1.000	330.000	6.000	0.305	0.395	238.384	-
vii	Top Slab	1.000	8.000	165.000	0.305	0.890	358.079	-

viii	Ring 8mm	1.000	330.000	3.330	0.305	0.395	132.303	-
Total Quantity					2118.4805484 Kg (Kilo Gram)		21.184805484 Qntl (Quintal)	
Amount					21.184805484 X 8656.9325535		183395.43	

<b>Total Amount (A) : 780865.34</b>
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Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.5000	-	5000
2	Any Other Lumpsum @ 1%	Cess	7808.6534197963
3	Provision for Contingency @ Rs.6300	-	6300
<b>Additional Components Amount (F) : 19108.653419796</b>			

<b>Grand Total Amount (A + F) : 799973.99539943</b>
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JE  
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SURESH MALIK  
AEE  
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BDO  
Banapur Block