

## Detailed Estimate

**OD/367/3527/275496/406386/00013768 : REVENUE OF CHANDIBASTA TANK**

**Block : Nayagarh, Gram Panchayat : Chandibasta**

**Created By: Monalisa Satapathy**

<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	Steps1 side wall	2.000	32.000	1.500	1.500	1.000	144.000	-
ii		2.000	29.000	1.500	1.500	1.000	130.500	-
iii		2.000	30.000	1.500	1.500	1.000	135.000	-
iv		2.000	35.000	1.500	1.500	1.000	157.500	-
v	Buttom	1.000	14.500	4.500	1.000	1.000	65.250	-
vi		1.000	14.000	3.000	1.000	1.000	42.000	-
vii		1.000	15.000	6.000	1.000	1.000	90.000	-
viii		1.000	11.000	5.000	1.000	1.000	55.000	-
ix	Guard Wall	1.000	80.000	4.000	4.000	1.000	1280.000	-
<b>Total Quantity</b>					2099.25 Cft (Cubic Foot)		59.4440424 Cum (Cubic Meter)	
<b>Amount</b>					<b>59.4440424 X 240.77592</b>		<b>14312.69</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	Steps1 side wall	2.000	32.000	1.500	0.330	1.000	31.680	-
ii		2.000	29.000	1.500	0.330	1.000	28.710	-

iii		2.000	30.000	1.500	0.330	1.000	29.700	-
iv		2.000	35.000	1.500	0.330	1.000	34.650	-
v	Buttom	1.000	14.500	4.500	0.500	1.000	32.625	-
vi		1.000	14.000	3.000	0.500	1.000	21.000	-
vii		1.000	15.000	6.000	0.500	1.000	45.000	-
viii		1.000	11.000	5.000	0.500	1.000	27.500	-
ix	Guard Wall	1.000	80.000	4.000	0.500	1.000	160.000	-
x	Step Slope	1.000	23.000	13.000	0.500	1.000	149.500	-
xi		1.000	29.000	12.500	0.500	1.000	181.250	-
xii		1.000	30.000	14.000	0.500	1.000	210.000	-
xiii		1.000	35.000	11.000	0.500	1.000	192.500	-
Total Quantity					1144.115 Cft (Cubic Foot)		32.397675632 Cum (Cubic Meter)	
Amount					32.397675632 X 780.783732		25295.58	

### 3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	Steps1 side wall	2.000	32.000	1.000	1.500	1.000	96.000	-
ii		2.000	29.000	1.000	1.500	1.000	87.000	-
iii		2.000	30.000	1.000	1.500	1.000	90.000	-
iv		2.000	35.000	1.000	1.500	1.000	105.000	-
v	Buttom	1.000	14.500	4.500	1.500	1.000	97.875	-
vi		1.000	14.000	3.000	1.500	1.000	63.000	-
vii		1.000	15.000	6.000	1.500	1.000	135.000	-

viii		1.000	11.000	5.000	1.500	1.000	82.500	-
ix	Guard Wall	1.000	80.000	4.000	0.500	1.000	160.000	-
x	Step Slope	1.000	23.000	13.000	0.500	1.000	149.500	-
xi		1.000	29.000	12.500	0.500	1.000	181.250	-
xii		1.000	30.000	14.000	0.500	1.000	210.000	-
xiii		1.000	35.000	11.000	0.500	1.000	192.500	-
xiv	Guard Wall	1.000	80.000	3.500	1.500	1.000	420.000	-
xv		1.000	80.000	2.500	5.500	1.000	1100.000	-
xvi	Open Space	1.000	15.000	6.000	0.250	1.000	22.500	-
xvii		1.000	14.330	7.750	0.250	1.000	27.764	-
xviii		1.000	11.000	20.000	0.250	1.000	55.000	-
xix	Step 1	1.000	23.000	13.000	1.000	1.000	299.000	-
xx		11.000	13.000	0.660	0.660	1.000	62.291	-
xxi		2.000	13.000	0.660	1.000	1.000	17.160	-
xxii		1.000	4.000	13.000	1.000	1.000	52.000	-
xxiii	Step2	1.000	29.000	12.500	1.000	1.000	362.500	-
xxiv		6.000	12.500	1.000	1.000	1.000	75.000	-
xxv	Step 3	1.000	30.000	14.000	0.830	1.000	348.600	-
xxvi		8.000	14.000	1.000	0.830	1.000	92.960	-
xxvii	Step 4	1.000	35.000	11.000	0.830	1.000	319.550	-
xxviii		9.000	11.000	0.830	0.830	1.000	68.201	-
xxix	Parapet	2.000	25.000	0.830	1.000	1.000	41.500	-
xxx		2.000	19.000	0.830	1.000	1.000	31.540	-
Total Quantity					5045.191275 Cft (Cubic Foot)		142.86367229592 Cum (Cubic Meter)	

<b>Amount</b>						<b>142.86367229592 X 5171.4398043</b>	<b>738810.88</b>	
<b>4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step 1	1.000	32.000	13.000	0.160	1.000	66.560	-
ii		1.000	15.000	6.000	0.250	1.000	22.500	-
iii		1.000	29.000	12.500	0.160	1.000	58.000	-
iv		1.000	14.330	7.750	0.250	1.000	27.764	-
v		1.000	35.000	17.500	0.160	1.000	98.000	-
vi		1.000	30.000	14.000	0.160	1.000	67.200	-
vii		1.000	35.000	11.000	0.160	1.000	61.600	-
viii		1.000	11.000	20.000	0.330	1.000	72.600	-
ix		1.000	35.000	14.000	0.250	1.000	122.500	-
x	Guard Wall	1.000	80.000	1.500	0.160	1.000	19.200	-
Total Quantity					615.924375 Cft (Cubic Foot)		17.441007342 Cum (Cubic Meter)	
<b>Amount</b>						<b>17.441007342 X 6958.8341581</b>	<b>121369.08</b>	
<b>5. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b>								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step	6.000	13.000	0.000	1.000	1.000	78.000	-
ii		2.000	32.000	0.000	2.660	1.000	170.240	-
iii		6.000	12.500	0.000	1.000	1.000	75.000	-

iv		2.000	29.000	0.000	2.660	1.000	154.280	-
v		9.000	17.500	0.000	0.830	1.000	130.725	-
vi		2.000	25.000	0.000	2.660	1.000	133.000	-
vii		8.000	14.000	0.000	0.830	1.000	92.960	-
viii		2.000	26.000	0.000	2.660	1.000	138.320	-
ix		9.000	11.000	0.000	0.830	1.000	82.170	-
x		2.000	35.000	0.000	2.660	1.000	186.200	-
xi		7.000	14.000	0.000	0.830	1.000	81.340	-
xii		2.000	29.000	0.000	2.660	1.000	154.280	-
Total Quantity					1476.515 Sft (Square Foot)		137.172673045 Sqm (Square Meter)	
Amount					137.172673045 X 191.862628384		26318.31	
<b>6. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>								
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Guard Wall	2.000	80.000	0.000	7.000	1.000	1120.000	-
Total Quantity					1120 Sft (Square Foot)		104.05136 Sqm (Square Meter)	
Amount					104.05136 X 216.23489289764		22499.53	
<b>7. Earth Work (AR0102a1) : Earthwork in hard soil or gravelly soil within 50m to 75m lead and 1.5m, initial lift</b>								
Earthwork in hard soil or gravelly soil within 50m to 75m 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 direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	150.000	27.000	2.000	1.000	8100.000	-
Total Quantity					8100 Cft (Cubic Foot)		229.36608 Cum (Cubic Meter)	
Amount					229.36608 X 214.6452		49232.33	

<b>Total Amount</b>	<b>997838.40</b>
<b>Addition</b>	
Display Citizen Board (+) @	2161.50
Any Other Lumpsum (+) @	
<b>Total Addition</b>	<b>2161.50</b>
<b>Grand Net Total Amount</b>	<b>999999.90</b>