

## Detailed Estimate

**OD/359/3430/118982/415563/00013526 : Imp. Of Gumagarh Tank**  
**Block : Phulbani, Gram Panchayat : Gumagarh**  
**Created By: UMESH CHANDRA SAHOO**

<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	GUARD WALL	1.000	130.000	2.500	2.250	0.000	731.250	-
ii	STEP CUT OFF LONG	4.000	31.000	2.000	1.500	0.000	372.000	-
iii	CROSS	2.000	14.000	2.000	1.500	0.000	84.000	-
iv	G TOP CUT OFF	2.000	18.000	1.500	1.000	0.000	54.000	-
v	CROSS	4.000	8.000	1.500	1.000	0.000	48.000	-
Total Quantity					1289.25 Cft (Cubic Foot)		36.5074344 Cum (Cubic Meter)	
Amount					36.5074344 X 240.77592		8790.11	
<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	GUARD WALL FOUND BASE	1.000	366.000	2.500	0.333	0.000	304.695	-
ii	STEP CUT OFF LONG	4.000	31.000	2.000	0.333	0.000	82.584	-
iii	CROSS	1.000	14.000	2.000	0.333	0.000	9.324	-
iv	LONG TOP CUT OFF	2.000	18.000	1.500	0.333	0.000	17.982	-

v	CROSS	4.000	8.000	1.500	0.333	0.000	15.984	-
vi	STEP BASE	2.000	31.000	14.000	0.271	0.000	235.054	-
vii	TOP PLATFORM BASE	2.000	14.000	8.000	0.333	0.000	74.592	-
Total Quantity					740.2154 Cft (Cubic Foot)		20.96053143872 Cum (Cubic Meter)	
Amount					<b>20.96053143872 X 675.349832</b>		<b>14155.69</b>	

### 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	GUARD WALL BASE	1.000	130.000	2.500	0.750	0.000	243.750	-
ii	PLINTH	1.000	130.000	2.000	3.542	0.000	920.816	-
iii	STEP CUT OFF LONG	4.000	31.000	2.000	1.500	0.000	372.000	-
iv	CROSS	2.000	14.000	2.000	1.500	0.000	84.000	-
v	LONG TOP CUT OFF	2.000	18.000	1.500	1.000	0.000	54.000	-
vi	CROSS	4.000	8.000	1.500	1.000	0.000	48.000	-
vii	STEP BASE	2.000	31.000	14.000	0.333	0.000	289.044	-
viii	TOP PLATFORM BASE	2.000	14.000	8.000	0.333	0.000	74.592	-
ix	STEP	18.000	18.000	1.500	0.666	0.000	323.676	-
x	TOE STEP	1.000	18.000	3.000	0.666	0.000	35.964	-
Total Quantity					2445.842 Cft (Cubic Foot)		69.2584187456 Cum (Cubic Meter)	
Amount					<b>69.2584187456 X 5336.6259709</b>		<b>369606.28</b>	

**4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

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 specifaicaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	GUARD WALL TOP	1.000	130.000	1.500	0.146	0.000	28.431	-
ii	TOP PLATFORM	2.000	18.000	9.500	0.146	0.000	49.864	-
iii	STEP TREAD	36.000	18.000	1.500	0.146	0.000	141.718	-
iv	TOE STEP TREAD	1.000	18.000	3.000	0.146	0.000	7.873	-
Total Quantity					227.8854 Cft (Cubic Foot)		6.45298529472 Cum (Cubic Meter)	
<b>Amount</b>					<b>6.45298529472 X 7775.0406303</b>		<b>50172.22</b>	

**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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	GUARD WALL	2.000	130.000	0.000	3.500	0.000	910.000	-
ii	STEP RISER	36.000	18.000	0.000	0.666	0.000	431.568	-
iii	STEP SIDES	18.000	1.500	0.000	0.666	0.000	17.982	-
Total Quantity					1359.55 Sft (Square Foot)		126.30627365 Sqm (Square Meter)	
<b>Amount</b>					<b>126.30627365 X 216.23489289764</b>		<b>27311.82</b>	
<b>Total Amount</b>							<b>470036.13</b>	
<b>Addition</b>								
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							26963.00	

<b>Total Addition</b>	<b>29963.00</b>
<b>Grand Net Total Amount</b>	<b>499999.13</b>