

## Detailed Estimate

**OD/365/3511/120398/387464/00074125 : DEVELOPMENT OF RURAL HAAT AT RATANSAHI BADDALIMA GP**

**Block : Tiring, Gram Panchayat : Baddalima**

**Created By: PURUSOTTAM NAHAK**

<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	Wall	2.000	16.200	0.250	0.300	0.000	2.430	-
ii		2.000	2.900	0.250	0.300	0.000	0.435	-
iii		2.000	6.000	0.250	0.300	0.000	0.900	-
iv		2.000	42.900	0.250	0.300	0.000	6.435	-
v		2.000	9.300	0.250	0.300	0.000	1.395	-
vi	pandal	1.000	18.600	0.600	0.600	0.000	6.696	-
vii		2.000	1.000	0.600	0.600	0.000	0.720	-
viii		2.000	6.100	0.600	0.600	0.000	4.392	-
ix		2.000	4.600	0.600	0.600	0.000	3.312	-
x		1.000	11.500	7.200	0.300	0.000	24.840	-
xi		2.000	12.300	0.250	0.300	0.000	1.845	-
<b>Total Quantity</b>						<b>53.4 cum (cum)</b>	<b>53.4 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>53.4 X 240.77592</b>	<b>12857.43</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		2.000	16.200	0.250	0.150	0.000	1.215	-

ii		2.000	2.400	0.250	0.150	0.000	0.180	-
iii		2.000	6.000	0.250	0.150	0.000	0.450	-
iv		2.000	42.900	0.250	0.150	0.000	3.218	-
v		2.000	9.300	0.250	0.150	0.000	0.698	-
vi		1.000	18.600	0.600	0.150	0.000	1.674	-
vii		2.000	1.000	0.600	0.150	0.000	0.180	-
viii		2.000	6.100	0.600	0.150	0.000	1.098	-
ix		2.000	4.600	0.600	0.150	0.000	0.828	-
x		1.000	11.500	7.200	0.150	0.000	12.420	-
xi		2.000	12.300	0.250	0.150	0.000	0.923	-
xii		1.000	16.200	2.400	0.150	0.000	5.832	-
xiii		1.000	6.000	4.600	0.300	0.000	8.280	-
xiv		1.000	18.100	1.350	0.150	0.000	3.665	-
xv		1.000	5.600	5.600	0.450	0.000	14.112	-
xvi		1.000	6.100	4.200	0.100	0.000	2.562	-
xvii		1.000	10.000	2.700	0.100	0.000	2.700	-
xviii		1.000	42.900	2.000	0.150	0.000	12.870	-
xix		2.000	12.300	0.250	0.150	0.000	0.923	-
xx		1.000	11.000	0.650	0.150	0.000	1.073	-
xxi		1.000	4.500	0.600	0.150	0.000	0.405	-
xxii		1.000	18.600	1.100	0.150	0.000	3.069	-
Total Quantity					78.37275 cum (cum)		78.37275 Cum (Cubic Meter)	
Amount					78.37275 X 918.386132		71976.45	
<b>3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal</b>								

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		1.000	18.100	1.350	0.150	0.000	3.665	-
ii		1.000	18.600	0.600	0.100	0.000	1.116	-
iii		2.000	1.000	0.600	0.100	0.000	0.120	-
iv		1.000	6.100	6.100	0.150	0.000	5.582	-
v		1.000	11.500	7.200	0.100	0.000	8.280	-
vi		1.000	6.100	4.200	0.100	0.000	2.562	-
vii		1.000	10.000	2.700	0.100	0.000	2.700	-
viii		1.000	11.000	0.650	0.100	0.000	0.715	-
ix		1.000	4.500	0.600	0.100	0.000	0.270	-
x		1.000	18.600	1.100	0.100	0.000	2.046	-
xi		1.000	3.900	3.000	0.100	0.000	1.170	-
xii		1.000	12.000	2.400	0.100	0.000	2.880	-
Total Quantity							31.10575 cum (cum)	31.10575 Cum (Cubic Meter)
Amount							<b>31.10575 X 5637.6502493</b>	<b>175363.34</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 specificaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	16.200	0.250	0.400	0.000	3.240	-
ii		2.000	2.400	0.250	0.400	0.000	0.480	-
iii		2.000	6.000	0.250	0.400	0.000	1.200	-

iv		1.000	18.600	1.600	0.100	0.000	2.976	-
v		1.000	6.100	6.100	0.100	0.000	3.721	-
vi		1.000	11.500	7.200	0.100	0.000	8.280	-
vii		1.000	6.100	4.200	0.100	0.000	2.562	-
viii		1.000	10.000	2.700	0.100	0.000	2.700	-
ix		2.000	42.900	0.250	0.400	0.000	8.580	-
x		2.000	2.000	0.250	0.400	0.000	0.400	-
xi		2.000	4.500	0.250	0.400	0.000	0.900	-
xii		2.000	2.800	0.250	0.400	0.000	0.560	-
xiii		2.000	12.300	0.250	0.400	0.000	2.460	-
xiv		1.000	11.000	0.650	0.100	0.000	0.715	-
xv		1.000	4.500	0.600	0.100	0.000	0.270	-
xvi		1.000	18.600	1.100	0.100	0.000	2.046	-
xvii		1.000	3.900	3.000	0.100	0.000	1.170	-
xviii		1.000	12.000	2.400	0.100	0.000	2.880	-
xix		1.000	2.500	0.250	0.400	0.000	0.250	-
xx		2.000	1.300	0.250	0.400	0.000	0.260	-
Total Quantity					45.65 cum (cum)		45.65 Cum (Cubic Meter)	
Amount					45.65 X 7394.6538041		337565.95	
<b>5. R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		6.000	10.500	0.400	0.100	1.000	2.520	-

Total Quantity	2.52 cum (cum)	2.52 Cum (Cubic Meter)
Amount	2.52 X 12756.174537383	32145.56

**6. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC**

Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	16.200	2.400	0.000	0.000	38.880	-
ii		1.000	6.000	4.600	0.000	0.000	27.600	-
iii		1.000	42.900	2.000	0.000	0.000	85.800	-
iv		1.000	4.500	2.800	0.000	0.000	12.600	-
Total Quantity					164.88 Sqm (Sqm)		164.88 Sqm (Square Meter)	
Amount					164.88 X 633.9657		104528.26	

**7. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth**

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance  $\pm 8$  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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	18.600	0.250	0.550	0.000	2.558	-
ii		2.000	1.350	0.250	0.550	0.000	0.371	-
iii		2.000	6.100	0.380	0.450	0.000	2.086	-
iv		2.000	5.600	0.380	0.450	0.000	1.915	-
v		2.000	6.100	0.250	0.750	0.000	2.288	-
vi		1.000	5.600	0.250	0.850	0.000	1.190	-
vii		1.000	5.600	0.250	0.650	0.000	0.910	-

Total Quantity	11.31765 cum (cum)	11.31765 Cum (Cubic Meter)
Amount	11.31765 X 5177.30537324	58594.93

**8. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)**

Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		3.000	15.000	5.800	0.000	0.000	261.000	-
ii		42.000	4.900	0.200	0.000	0.000	41.160	-
iii		12.000	15.000	0.300	0.000	0.000	54.000	-
iv		6.000	15.000	0.150	0.000	0.000	13.500	-
v		6.000	15.000	0.920	0.000	0.000	82.800	-
vi		42.000	1.200	2.100	0.000	0.000	105.840	-
vii		42.000	1.200	1.460	0.000	0.000	73.584	-
viii		2.000	10.000	5.800	0.000	0.000	116.000	-
ix		16.000	4.700	0.300	0.000	0.000	22.560	-
x		12.000	10.000	0.300	0.000	0.000	36.000	-
xi		16.000	1.200	0.000	1.950	0.000	37.440	-
xii		4.000	10.000	0.950	0.000	0.000	38.000	-
xiii		8.000	1.200	1.220	0.000	0.000	11.712	-
xiv		3.000	10.500	4.000	0.000	0.000	126.000	-
xv		36.000	4.000	0.300	0.000	0.000	43.200	-
xvi		18.000	1.650	0.000	2.900	0.000	86.130	-
xvii		3.000	8.100	1.200	0.000	0.000	29.160	-
xviii		6.000	10.500	0.400	0.000	0.000	25.200	-

Total Quantity	1203.286 Sqm (Sqm)	1203.286 Sqm (Square Meter)
Amount	1203.286 X 58.538260468495	70438.27

**9. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )**

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	1203.286	0.000	0.000	0.000	1203.290	-
Total Quantity			1203.286 Sqm (Sqm)			1203.286 Sqm (Square Meter)		
Amount			1203.286 X 72.876723850323			87691.54		

**Total Amount (A) : 951161.73**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.1612	-	1612
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ Rs.42226	Bala Painting	42226

**Additional Components Amount (F) : 48838**

**Grand Total Amount (A + F) : 999999.73168274**

**PURUSOTTAM NAHAK**  
JE  
Tiring Block

**MANGALJYOTI MOHAPATRA**  
AEE  
Tiring Block

**BHAGBAT PRASAD MOHAPATRA**  
BDO  
Tiring Block