

## Detailed Estimate

**OD/359/3425/118920/415805/00070509 : Construction of rural haat at Ratingia**  
**Block : G.Udayagiri, Gram Panchayat : Ratingia**  
**Created By:CHAKRADHAR PURTY**

<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	10.000	4.000	4.000	4.000	0.000	640.000	-
ii	LW	2.000	53.500	2.000	2.500	0.000	535.000	-
iii	SW	2.000	12.500	2.000	2.500	0.000	125.000	-
iv	Column	10.000	4.000	2.000	2.500	0.000	-	200.000
<b>Total Quantity</b>					<b>1100 Cft (Cubic Foot)</b>		<b>31.14848 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>31.14848 X 240.77592</b>		<b>7499.80</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	10.000	4.000	4.000	0.500	0.000	80.000	-
ii	LW	2.000	53.500	2.000	0.500	0.000	107.000	-
iii	SW	2.000	12.500	2.000	0.500	0.000	25.000	-
iv	Column	10.000	4.000	4.000	0.500	0.000	-	80.000
v	Room	1.000	51.500	10.500	3.000	0.000	1622.250	-
vi	Side filling	0.200	1100.000	0.000	0.000	0.000	220.000	-
<b>Total Quantity</b>					<b>1974.25 Cft (Cubic Foot)</b>		<b>55.9044424 Cum (Cubic Meter)</b>	

<b>Amount</b>							<b>55.9044424 X 579.298832</b>	<b>32385.38</b>
<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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	10.000	4.000	4.000	0.500	0.000	80.000	-
ii	LW	2.000	53.500	2.000	4.500	0.000	963.000	-
iii	SW	2.000	12.500	2.000	4.500	0.000	225.000	-
iv	Room	1.000	51.500	10.500	0.330	0.000	178.447	-
v	Column	10.000	4.000	4.000	0.500	0.000	-	80.000
Total Quantity					1366.4475 Cft (Cubic Foot)		38.693420568 Cum (Cubic Meter)	
<b>Amount</b>							<b>38.693420568 X 5762.93131994</b>	<b>222987.53</b>
<b>4. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
Brickwork with Flyash Bricks of size (23cm x 11cm 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 $\pm 8$ 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	1.000	53.500	0.750	10.000	0.000	401.250	-
ii	LW	1.000	53.500	0.750	2.330	0.000	93.491	-
iii	SW	2.000	12.500	0.750	2.330	0.000	43.688	-
iv	Lintel	2.000	53.500	0.750	0.500	0.000	-	40.125
v	Lintel	2.000	12.500	0.750	0.500	0.000	-	9.375
vi	Wall beam	2.000	53.500	0.750	0.670	0.000	-	53.768
vii	Wall beam	5.000	12.500	0.750	0.670	0.000	-	31.406

viii	Column	10.000	0.750	0.750	10.000	0.000	-	56.250
Total Quantity					347.505 Cft (Cubic Foot)		9.840229584 Cum (Cubic Meter)	
Amount					9.840229584 X 5751.473460992		56595.82	
<b>5. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	10.000	4.000	4.000	0.750	0.000	120.000	-
ii	Column	10.000	3.000	3.000	0.750	0.000	67.500	-
iii	Column	10.000	2.000	2.000	1.000	0.000	40.000	-
iv	Column	10.000	0.750	0.750	1.000	0.000	5.625	-
v	Column	10.000	0.750	0.750	10.000	0.000	56.250	-
vi	Plinth beam	2.000	53.500	0.750	0.750	0.000	60.188	-
vii	Plinth bea	2.000	12.500	0.750	0.750	0.000	14.063	-
viii	Lintel	2.000	53.500	0.750	0.500	0.000	40.125	-
ix	Lintel	2.000	12.500	0.750	0.500	0.000	9.375	-
x	Wall beam	2.000	53.500	0.750	0.670	0.000	53.768	-
xi	Wall bea	2.000	12.500	0.750	0.670	0.000	12.563	-
xii	Roof beam	3.000	10.500	0.750	2.330	0.000	55.046	-
xiii	Roof slab	1.000	54.000	13.000	0.375	0.000	263.250	-
xiv	Front	1.000	54.000	1.670	0.250	0.000	22.545	-
Total Quantity					820.29625 Cft (Cubic Foot)		23.228164852 Cum (Cubic Meter)	
Amount					23.228164852 X 7118.0240611338		165338.64	

**6. 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	HYSD	1.000	22.820	0.000	1.300	0.000	29.666	-
Total Quantity					29.666 Qntl (Quintal)		29.666 Qntl (Quintal)	
Amount					29.666 X 9551.6467095		283359.15	

**7. 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	Column	10.000	4.000	3.000	0.750	0.000	90.000	-
ii	Column	10.000	4.000	2.000	0.750	0.000	60.000	-
Total Quantity					150 Sft (Square Foot)		13.93545 Sqm (Square Meter)	
Amount					13.93545 X 216.55039071844		3017.73	

**8. R.C.C. Work (AR0410e) : 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. Lintels Data for 7.8 sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	2.000	2.000	21.330	0.670	0.000	57.164	-
ii	Room	2.000	2.000	12.500	0.670	0.000	33.500	-
Total Quantity					90.6644 Sft (Square Foot)		8.4229947532 Sqm (Square Meter)	
Amount					8.4229947532 X 500.00130144795		4211.51	

**9. 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	Cnolum	10.000	4.000	0.750	3.080	0.000	92.400	-
ii	Cnolum	10.000	4.000	0.750	10.500	0.000	315.000	-
iii	Wall beam	2.000	2.000	21.330	0.670	0.000	57.164	-
iv	Roof beam	1.000	1.000	13.170	2.830	0.000	37.271	-
Total Quantity					501.8355 Sft (Square Foot)		46.6220234565 Sqm (Square Meter)	
Amount					<b>46.6220234565 X 1048.1531500562</b>		<b>48867.02</b>	

**10. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas**

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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof slab	1.000	54.000	13.000	0.000	0.000	702.000	-
ii	Sides	2.000	54.000	0.375	0.000	0.000	40.500	-
iii	Sides	2.000	13.000	0.375	0.000	0.000	9.750	-
iv	Chajja	1.000	54.000	1.670	0.000	0.000	90.180	-
v	Wall beam	2.000	53.000	0.750	0.000	0.000	-	79.500
vi	Roof beam	3.000	10.500	0.750	0.000	0.000	-	23.625
Total Quantity					739.305 Sft (Square Foot)		68.683652415 Sqm (Square Meter)	
Amount					<b>68.683652415 X 663.90898015022</b>		<b>45599.69</b>	

**11. Flooring (AR0820) : 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips**

2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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	Room	1.000	51.500	10.500	0.000	0.000	540.750	-
Total Quantity							540.75 Sft (Square Foot)	50.23729725 Sqm (Square Meter)
Amount							50.23729725 X 377.0563395244	18942.29

**12. Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)**

4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specifaicon and direction of Engineer-in charge. (Old Work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	54.000	13.000	0.000	0.000	702.000	-
ii	Side	2.000	54.000	0.375	0.000	0.000	40.500	-
iii	Side	2.000	13.000	0.375	0.000	0.000	9.750	-
Total Quantity							752.25 Sft (Square Foot)	69.88628175 Sqm (Square Meter)
Amount							69.88628175 X 796.3297952382	55652.53

**13. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside**

12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	1.000	1.000	53.500	10.000	0.000	535.000	-
ii	SW	2.000	1.000	12.500	2.330	0.000	58.250	-
iii	Chajja	1.000	54.000	1.670	0.000	0.000	90.180	-
Total Quantity							683.43 Sft (Square Foot)	63.49269729 Sqm (Square Meter)

<b>Amount</b>							<b>63.49269729 X 188.8303452588</b>	<b>11989.35</b>
<b>14. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	1.000	51.500	0.000	10.000	0.000	515.000	-
ii	SW	2.000	12.500	0.000	2.330	0.000	58.250	-
Total Quantity					573.25 Sft (Square Foot)		53.25664475 Sqm (Square Meter)	
<b>Amount</b>					<b>53.25664475 X 266.880016198</b>		<b>14213.13</b>	
<b>15. Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
20mm thick cement Plaster in CM (1:6) for stone work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth	2.000	54.000	2.580	0.000	0.000	278.640	-
ii	Plinth	2.000	13.000	2.580	0.000	0.000	67.080	-
Total Quantity					345.72 Sft (Square Foot)		32.11842516 Sqm (Square Meter)	
<b>Amount</b>					<b>32.11842516 X 282.520008002</b>		<b>9074.10</b>	
<b>16. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Beam	3.000	10.500	0.000	2.830	0.000	89.145	-
Total Quantity					89.145 Sft (Square Foot)		8.281837935 Sqm (Square Meter)	

<b>Amount</b>	<b>8.281837935 X 199.4894833192</b>	<b>1652.14</b>
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**17. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)**

Finishing wall two coats with distemper of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	1.000	51.050	0.000	10.000	0.000	510.500	-
ii	SW	2.000	12.500	0.000	2.330	0.000	58.250	-
iii	Beam	3.000	10.500	0.000	2.830	0.000	89.145	-
Total Quantity					657.895 Sft (Square Foot)		61.120419185 Sqm (Square Meter)	
<b>Amount</b>					<b>61.120419185 X 78.865539425</b>		<b>4820.29</b>	

**18. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)**

Finishing wall with two coat weather coat paint of approved shade in the outer surface of old 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	LW	1.000	53.000	0.000	10.000	0.000	530.000	-
ii	SW	2.000	12.000	0.000	2.330	0.000	55.920	-
Total Quantity					585.92 Sft (Square Foot)		54.43372576 Sqm (Square Meter)	
<b>Amount</b>					<b>54.43372576 X 87.8807022125</b>		<b>4783.67</b>	

**Total Amount (A) : 990989.77**

**Additional Components**

#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.4010	-	4010

2	Display Citizen Board @ Rs.5000	-	5000
Additional Components Amount (F) : 9010			
Grand Total Amount (A + F) : 999999.77232262			

**CHAKRADHAR PURTY**  
**JE**  
G.Udayagiri Block

**ASIT KUMAR SETHY**  
**AEE**  
G.Udayagiri Block

**Satyanarayan Mishra**  
**BDO**  
G.Udayagiri Block