

## Detailed Estimate

**OD/350/3333/116873/398721/00063759 : DEVELOPMENT OF RURAL HAAT AT MAHAKALIPITHA**

**Block : Badamba, Gram Panchayat : Dasarathipur**

**Created By: AEBibhudattaroutray**

<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	Column Foundation	12.000	1.200	1.200	1.500	0.000	25.920	-
ii	wall foundation long Side	2.000	11.650	0.400	0.400	0.000	3.728	-
iii	wall foundation Short Side	6.000	3.350	0.400	0.400	0.000	3.216	-
iv	Column Foundation	12.000	0.400	0.400	0.400	0.000	-	0.768
<b>Total Quantity</b>					<b>32.096 cum (cum)</b>		<b>32.096 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>32.096 X 240.77592</b>		<b>7727.94</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	Column Foundation	12.000	1.200	1.200	0.050	0.000	0.864	-
ii	wall foundation long Side	2.000	11.650	0.400	0.050	0.000	0.466	-
iii	wall foundation Short Side	6.000	3.350	0.400	0.050	0.000	0.402	-
iv	Column Foundation	12.000	0.400	0.400	0.050	0.000	-	0.096
v	Inside Room filling	3.000	2.850	2.600	0.050	0.000	1.112	-

vi	Inside Room filling	2.000	2.850	0.900	0.050	0.000	0.257	-
Total Quantity					3.004 cum (cum)		3.004 Cum (Cubic Meter)	
Amount					3.004 X 1543.889232		4637.84	
<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 Foundation	12.000	1.200	1.200	0.150	0.000	2.592	-
ii	wall foundation long Side	2.000	11.650	0.400	0.150	0.000	1.398	-
iii	wall foundation Short Side	6.000	3.350	0.400	0.150	0.000	1.206	-
iv	Column Foundation	12.000	0.400	0.400	0.150	0.000	-	0.288
v	Inside Room filling	3.000	2.850	2.600	0.150	0.000	3.335	-
vi	Inside Room filling	2.000	2.850	0.900	0.150	0.000	0.770	-
Total Quantity					9.012 cum (cum)		9.012 Cum (Cubic Meter)	
Amount					9.012 X 6035.35891486		54390.65	
<b>4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
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 ±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	wall foundation long Side	2.000	11.650	0.250	0.300	0.000	1.748	-
ii	wall foundation Short Side	6.000	3.350	0.250	0.300	0.000	1.508	-

iii	Column Foundation	12.000	0.250	0.250	0.300	0.000	-	0.225
Total Quantity					3.03 cum (cum)		3.03 Cum (Cubic Meter)	
Amount					3.03 X 5306.400847048		16078.39	
<b>5. Masonry Brick Work (AR0603bi) : First floor</b>								
Brickwork with Flyash Bricks of size (25cm x 12cm 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 ±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	wall	6.000	1.250	0.125	0.600	0.000	0.563	-
ii	wall	6.000	1.000	0.125	0.600	0.000	0.450	-
iii	middle portion wall	4.000	0.600	0.125	0.600	0.000	0.180	-
iv	middle portion wall	4.000	1.900	0.125	0.600	0.000	0.570	-
Total Quantity					1.7625 cum (cum)		1.7625 Cum (Cubic Meter)	
Amount					1.7625 X 5668.761577048		9991.19	
<b>6. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column Foundation	12.000	1.200	1.200	0.300	0.000	5.184	-
ii	Column upto PL	12.000	3.140	0.040	0.900	0.000	1.356	-
Total Quantity					6.54048 cum (cum)		6.54048 Cum (Cubic Meter)	
Amount					6.54048 X 6532.5574367687		42726.06	

**7. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Grade beam	2.000	11.650	0.250	0.300	0.000	1.748	-
ii	Grade beam	6.000	3.350	0.250	0.300	0.000	1.508	-
Total Quantity					3.255 cum (cum)		3.255 Cum (Cubic Meter)	
<b>Amount</b>					<b>3.255 X 7289.3795619104</b>		<b>23726.93</b>	

**8. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column From Plinth beam To wall beam bottom-	1.000	12.000	3.143	0.023	2.550	2.164	-
ii	Grade Roof Bootom beam	2.000	11.650	0.250	0.300	0.000	1.748	-
iii	Roof Bootom beam	6.000	3.350	0.250	0.300	0.000	1.508	-
iv	Roof inverted coner beam	12.000	2.300	0.250	0.200	0.000	1.380	-
v	Column From 1st roof top to 2nd roof bottom-	12.000	3.143	0.010	0.600	0.000	0.226	-
vi	Column From 1st roof top to 2nd roof bottom-	8.000	3.143	0.010	0.600	0.000	0.151	-

vii	Roof inverted side beam at top portion	6.000	1.450	0.150	0.150	0.000	0.196	-
viii	Roof inverted side beam at top portion	6.000	1.180	0.150	0.150	0.000	0.159	-
ix	Roof inverted coner beam at top portion	6.000	1.450	0.150	0.150	0.000	0.196	-
x	Roof inverted coner beam at top portion	6.000	1.180	0.150	0.150	0.000	0.159	-
xi	Roof inverted coner beam at top portion	6.000	0.900	0.150	0.150	0.000	0.122	-
xii	Roof inverted coner beam at top portion	6.000	0.900	0.150	0.150	0.000	0.122	-
xiii	Roof inverted coner beam at top portion	4.000	1.200	0.150	0.150	0.000	0.108	-
xiv	Roof inverted coner beam at top portion	4.000	1.200	0.150	0.150	0.000	0.108	-
Total Quantity					8.3452155 cum (cum)		8.3452155 Cum (Cubic Meter)	
Amount					8.3452155 X 14588.310824089		121742.60	
<b>9. 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	Roof Roof slabside beam at top portion	4.000	1.850	2.500	0.150	0.000	2.775	-
ii	Roof Roof slabconer beam at top portion	4.000	2.100	2.500	0.150	0.000	3.150	-
iii	Roof slabRoof inverted coner beam at top portion	2.000	1.650	2.500	0.150	0.000	1.238	-

iv	Roof Roof slabconer beam at top portion	2.000	2.100	2.500	0.150	0.000	1.575	-	
v	Roof Top Roof slabconer beam at top portion	6.000	1.000	1.000	0.150	0.000	0.900	-	
vi	Roof Top Roof slabconer beam at top portion	6.000	1.000	1.000	0.150	0.000	0.900	-	
vii	Roof Top Roof slabconer beam at top portion	4.000	1.000	1.000	0.150	0.000	0.600	-	
viii	Top Roof slab	4.000	0.500	1.000	0.150	0.000	0.300	-	
Total Quantity					11.4375 cum (cum)		11.4375 Cum (Cubic Meter)		
Amount					11.4375 X 12834.441841159		146793.93		

**10. 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 BAR FOR PLINTH, COLUMN,RAFT JALI,,WALL BEAM 7ROOF SLAB	1.000	34.020	0.000	0.000	0.000	34.020	-	
Total Quantity					34.02 Qntl (Quintal)		34.02 Qntl (Quintal)		
Amount					34.02 X 8553.5630733		290992.22		

**11. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.**

20mm thick cement Plaster in CM (1:4) over 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
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i	Outside portion	1.000	11.650	0.650	0.000	0.000	7.573	-
ii	Outside portion	2.000	3.350	0.300	0.000	0.000	2.010	-
iii	Column	12.000	0.900	2.550	0.000	0.000	27.540	-
iv	Roof Beam	2.000	11.650	0.900	0.000	0.000	20.970	-
v	Roof Beam	6.000	3.350	0.900	0.000	0.000	18.090	-
vi	Roof Slab Top Portion	4.000	1.850	2.500	0.000	0.000	18.500	-
vii	Roof Slab Top Portion	4.000	2.100	2.500	0.000	0.000	21.000	-
viii	Roof SlabRoof Slab Top PortionTop Portion	2.000	1.650	2.500	0.000	0.000	8.250	-
ix	Roof Slab Top Portion	2.000	2.100	2.500	0.000	0.000	10.500	-
x	Top portion Slab	6.000	1.450	0.600	0.000	0.000	5.220	-
xi	Top Roof slab	6.000	1.150	0.600	0.000	0.000	4.140	-
xii	Top portion Slab	4.000	1.500	0.600	0.000	0.000	3.600	-
xiii	Top portion Slab	4.000	0.900	0.600	0.000	0.000	2.160	-
xiv	Gaziba Floor Aera	1.000	11.650	3.350	0.000	0.000	39.028	-
xv	Roof Slab Ceaing Portion	4.000	1.850	2.500	0.000	0.000	18.500	-
xvi	Roof Slab Ceaing Portion	4.000	2.100	2.500	0.000	0.000	21.000	-
xvii	Roof Slab Ceaing Portion	2.000	1.650	2.500	0.000	0.000	8.250	-
xviii	Roof Slab Ceaing Portion	2.000	2.100	2.500	0.000	0.000	10.500	-
xix	ORANAMENTAL PLASTER	1.000	246.830	0.000	0.000	0.000	246.830	-

Total Quantity				493.6599999 Sqm (Sqm)	493.6599999 Sqm (Square Meter)			
Amount				493.6599999 X 284.6706623696	140530.52			
<b>12. 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 specifaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Gajib	1.000	11.650	3.350	0.100	0.000	3.903	-
Total Quantity				3.90275 cum (cum)		3.90275 Cum (Cubic Meter)		
Amount				3.90275 X 7514.19000282		29326.01		
<b>13. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer</b>								
Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, 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	Gaziba	1.000	11.650	3.350	0.000	0.000	39.028	-
ii	Plastered Area	1.000	246.830	0.000	0.000	0.000	246.830	-
Total Quantity				285.8574999 Sqm (Sqm)		285.8574999 Sqm (Square Meter)		
Amount				285.8574999 X 160.71529806685		45941.67		
<b>Total Amount</b>						<b>934605.96</b>		
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							9346.06	

Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	51047.98
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>65394.04</b>
<b>Grand Net Total Amount</b>	<b>1000000.00</b>

**AEBibhudattaroutray**  
**JE**  
**Badamba Block**

**AEsatyanarayan**  
**AEE**  
**Badamba Block**

**CHITARANJAN DAS**  
**BDO**  
**Badamba Block**