

## Detailed Estimate

**OD/365/3490/120105/389086/00013476 : CONSTRUCTION OF RURAL HATA AT CHHENADHUA HATA**

**Block : Baripada, Gram Panchayat : Laxmiposi**

**Created By: BHIM CHARAN TUDU**

<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	LW	6.000	24.000	1.500	2.000	0.000	432.000	-
ii	SW	6.000	4.160	1.500	2.000	0.000	74.880	-
iii	at pillar	24.000	1.500	1.500	2.500	0.000	135.000	-
<b>Total Quantity</b>					641.88 Cft (Cubic Foot)		18.175987584 Cum (Cubic Meter)	
<b>Amount</b>					18.175987584 X 240.77592		4376.34	
<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	lw	6.000	28.330	1.500	0.330	0.000	84.140	-
ii	sw	6.000	6.330	1.500	0.330	0.000	18.800	-
iii	inside	3.000	28.330	6.330	2.000	0.000	1075.970	-
iv	middle passage	2.000	30.000	7.000	0.500	0.000	210.000	-
<b>Total Quantity</b>					1388.9136 Cft (Cubic Foot)		39.32958862848 Cum (Cubic Meter)	

<b>Amount</b>	<b>39.32958862848 X 1203.004132</b>	<b>47313.66</b>
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**3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal**

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	lw	6.000	29.160	1.500	1.000	0.000	262.440	-	
ii	sw	6.000	7.160	1.500	1.000	0.000	64.440	-	
iii	room	3.000	28.330	6.330	0.330	0.000	177.536	-	
iv	lw	6.000	29.160	1.000	3.000	0.000	524.880	-	
v	sw	6.000	7.160	1.000	3.000	0.000	128.880	-	
vi	middle passage wall	4.000	7.000	1.000	1.500	0.000	42.000	-	
vii	passage	2.000	30.000	7.000	0.330	0.000	138.600	-	
viii	column	24.000	1.000	1.000	3.000	0.000	-	72.000	
ix	steps	18.000	2.500	1.250	0.500	0.000	28.125	-	
Total Quantity					1294.900611 Cft (Cubic Foot)		36.667441621565 Cum (Cubic Meter)		
<b>Amount</b>					<b>36.667441621565 X 6464.4107468</b>		<b>237033.40</b>		

**4. Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum**

Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	24.000	1.000	1.000	4.000	0.000	96.000	-
ii	passage	2.000	30.000	7.000	0.330	0.000	138.600	-

iii	top of wall	6.000	30.000	1.000	0.500	0.000	90.000	-
iv	sw	6.000	6.000	1.000	0.500	0.000	18.000	-
v	steps	18.000	2.500	1.250	0.330	0.000	18.563	-
Total Quantity					361.1625 Cft (Cubic Foot)		10.22696628 Cum (Cubic Meter)	
Amount					10.22696628 X 7774.4920286		79509.47	
<b>5. Plastering (AR1006) : 12mm thick cement plaster (1:4) over brickwork in inside</b>								
12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, 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	6.000	30.000	2.330	0.000	0.000	419.400	-
ii	sw	6.000	8.000	2.330	0.000	0.000	111.840	-
Total Quantity					531.24 Sft (Square Foot)		49.35378972 Sqm (Square Meter)	
Amount					49.35378972 X 207.366262108		10234.31	
<b>6. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips</b>								
2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor	3.000	30.000	8.000	0.000	0.000	720.000	-
Total Quantity					720 Sft (Square Foot)		66.89016 Sqm (Square Meter)	
Amount					66.89016 X 385.588917656		25792.10	
<b>7. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks</b>								

Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	rafter	24.000	6.000	2.500	0.000	0.000	360.000	-
ii	purlin	18.000	30.000	2.500	0.000	0.000	1350.000	-
iii	king post	12.000	3.000	2.500	0.000	0.000	90.000	-
iv	queen post	24.000	2.500	2.500	0.000	0.000	150.000	-
v	stand pipe	24.000	16.000	4.000	0.000	0.000	1536.000	-
vi	beam	12.000	8.000	3.000	0.000	0.000	288.000	-
Total Quantity					3774 Kg (Kilo Gram)		37.74 Qntl (Quintal)	
Amount					37.74 X 13972.212428252		527311.30	

**8. Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties**

Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ON TOP OF ROOF	6.000	30.000	6.000	0.000	0.000	1080.000	-
Total Quantity					1080 Sft (Square Foot)		100.33524 Sqm (Square Meter)	
Amount					100.33524 X 521.52718361032		52327.56	
Total Amount							983898.14	

**Addition**

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							9838.98	

Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	1262.00
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>16100.98</b>
<b>Grand Net Total Amount</b>	<b>999999.12</b>

**BHIM CHARAN TUDU**  
**JE**  
**Baripada Block**

**BHARAT CHANDRA BEHERA**  
**AEE**  
**Baripada Block**

**Debendra Prasad Bal**  
**BDO**  
**Baripada Block**