

## Detailed Estimate

**OD/361/3453/119490/385941/00069436 : CONSTRUCTION OF NEW HAAT PINDI AT KHAMUA WEEKLY HAAT**  
**Block : Patana, Gram Panchayat : Saraskola**  
**Created By:NIHAR RANJAN NAYAK**

<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	For vertical post	10.000	2.000	2.000	2.500	0.000	100.000	-
ii	Long wall	2.000	42.750	2.000	2.000	0.000	342.000	-
iii	Short wall	2.000	11.750	2.000	2.000	0.000	94.000	-
iv	Steps	2.000	15.000	4.000	1.000	0.000	120.000	-
<b>Total Quantity</b>						656 Cft (Cubic Foot)	18.5758208 Cum (Cubic Meter)	
<b>Amount</b>						<b>18.5758208 X 240.77592</b>	<b>4472.61</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	For vertical post	10.000	2.000	2.000	0.500	0.000	20.000	-
ii	Long wall	2.000	42.750	2.000	0.500	0.000	85.500	-
iii	Short wall	2.000	11.750	2.000	0.500	0.000	23.500	-
iv	Room	1.000	47.500	12.500	2.000	0.000	1187.500	-
v	step	2.000	15.000	4.000	0.500	0.000	60.000	-

Total Quantity	1376.5 Cft (Cubic Foot)	38.9780752 Cum (Cubic Meter)
Amount	<b>38.9780752 X 508.497832</b>	<b>19820.27</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	For vertical post	10.000	2.000	2.000	0.330	0.000	13.200	-
ii	Long wall	2.000	42.750	2.000	0.330	0.000	56.430	-
iii	Short wall	2.000	11.750	2.000	0.330	0.000	15.510	-
iv	Room	1.000	47.500	12.500	0.330	0.000	195.938	-
v	steps Base	2.000	15.000	4.000	0.330	0.000	39.600	-

Total Quantity	320.6775 Cft (Cubic Foot)	9.080560632 Cum (Cubic Meter)
Amount	<b>9.080560632 X 5356.64593032</b>	<b>48641.35</b>

### 4. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	For vertical post	10.000	1.500	1.500	2.000	0.000	45.000	-
ii		10.000	1.250	1.250	2.000	0.000	31.250	-

Total Quantity	76.25 Cft (Cubic Foot)	2.159156 Cum (Cubic Meter)
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Amount						2.159156 X 6430.8702028929	13885.25	
<b>5. R.C.C. Work (AR0404Ab) : 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 Plinth band)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth band	2.000	49.580	0.830	0.500	0.000	41.151	-
ii		2.000	12.920	0.830	0.500	0.000	10.724	-
Total Quantity					51.875 Cft (Cubic Foot)		1.468934 Cum (Cubic Meter)	
Amount						1.468934 X 7187.6923280346	10558.25	
<b>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</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth Band	1.000	1.470	0.000	0.000	0.850	1.250	-
Total Quantity					1.2495 Qntl (Quintal)		1.2495 Qntl (Quintal)	
Amount						1.2495 X 9292.4948697	11610.97	
<b>7. 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.								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	1st Footing	2.000	44.250	1.500	1.500	0.000	199.125	-
ii		2.000	12.250	1.500	1.500	0.000	55.125	-
iii	2nd Footing	2.000	45.000	1.250	2.000	0.000	225.000	-
iv		2.000	12.500	1.250	2.000	0.000	62.500	-
v	step	2.000	15.000	4.000	0.500	0.000	60.000	-
vi		2.000	15.000	3.250	0.500	0.000	48.750	-
vii		2.000	15.000	2.500	0.500	0.000	37.500	-
viii		2.000	15.000	1.750	0.500	0.000	26.250	-
ix		2.000	15.000	1.000	0.500	0.000	15.000	-
Total Quantity					729.25 Cft (Cubic Foot)		20.6500264 Cum (Cubic Meter)	
Amount					20.6500264 X 4962.679861776		102479.47	
<b>8. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.</b>								
12mm thick cement plaster (1:6) over Brick work in outside 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	2.000	50.000	2.830	0.000	0.000	283.000	-
ii	short wall	2.000	15.000	2.830	0.000	0.000	84.900	-
iii	steps	10.000	16.000	1.250	0.000	0.000	200.000	-
Total Quantity					567.9 Sft (Square Foot)		52.7596137 Sqm (Square Meter)	
Amount					52.7596137 X 167.1302960464		8817.73	

**9. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips**

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pindi	1.000	50.000	15.000	0.000	0.000	750.000	-
ii	steps	10.000	16.000	1.250	0.000	0.000	200.000	-
Total Quantity					950 Sft (Square Foot)		88.25785 Sqm (Square Meter)	
Amount					88.25785 X 368.2917536464		32504.64	

**10. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

Priming one coat with inner 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	qty from 12mm plaster	1.000	567.900	0.000	0.000	0.000	567.900	-
Total Quantity					567.9 Sft (Square Foot)		52.7596137 Sqm (Square Meter)	
Amount					52.7596137 X 71.83753306751		3790.12	

**11. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	qty from 12mm plaster	1.000	567.900	0.000	0.000	0.000	567.900	-
Total Quantity					567.9 Sft (Square Foot)		52.7596137 Sqm (Square Meter)	

<b>Amount</b>					<b>52.7596137 X 87.87319665</b>	<b>4636.16</b>		
<b>12. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	MS Iron Sqr Pipe for Pillars- 100mmx100mmx5mm size	1.000	36.590	0.000	0.000	11.250	411.638	-
ii	MS Iron Sqr Pipe 80mmx80mmx4mm size	1.000	22.870	0.000	0.000	9.500	217.265	-
iii	MS Iron Truss 50mmx50mm dia	1.000	123.080	0.000	0.000	4.950	609.246	-
iv	(150x150x6)mm top	10.000	0.000	0.000	0.000	1.200	12.000	-
v	(300x300x6)mm in foun	10.000	0.000	0.000	0.000	2.200	22.000	-
<b>Total Quantity</b>					<b>1272.1485 Kg (Kilo Gram)</b>		<b>12.721485 Qntl (Quintal)</b>	
<b>Amount</b>					<b>12.721485 X 14055.241498252</b>		<b>178803.54</b>	
<b>13. Roofing (AR1132i) : Supplying, feeting &amp; fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties</b>								
Supplying, fitting & fixing of G.C.I. Sheet (0.40mm 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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pindi	1.000	50.000	15.000	0.000	0.000	750.000	-
ii	Add 20%	0.200	750.000	0.000	0.000	0.000	150.000	-
<b>Total Quantity</b>					<b>900 Sft (Square Foot)</b>		<b>83.6127 Sqm (Square Meter)</b>	

<b>Amount</b>	83.6127 X 537.51755491832	44943.29
<b>Total Amount</b>		484963.65
<b>Addition</b>		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		5000.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		5036.00
Provision for survey investigation and quality control (+) @		
<b>Total Addition</b>		<b>15036.00</b>
<b>Grand Net Total Amount</b>		<b>499999.65</b>

**JE**  
**Patana Block**

**SUSMITA BEHERA**  
**AEE**  
**Patana Block**

**KendujharPatanaBDO**  
**BDO**  
**Patana Block**