

## Detailed Estimate

**OD/369/3539/120953/409540/00066893 : CONST. OF KITCHEN HOUSE GARUDESWAR TEMPLE**

**Block : Gop, Gram Panchayat : Sutan**

**Created By: LOJISMITA MOHAPATRO**

<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	Col	6.000	1.200	1.200	1.200	0.000	10.368	-
ii	Wall	4.000	1.950	0.450	0.600	0.000	2.106	-
iii	wall	2.000	2.700	0.450	0.600	0.000	1.458	-
Total Quantity					13.932 cum (cum)		13.932 Cum (Cubic Meter)	
Amount					13.932 X 240.77592		3354.49	
<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	col	6.000	1.200	1.200	0.100	0.000	0.864	-
ii	wall	4.000	1.950	0.450	0.100	0.000	0.351	-
iii	wall	2.000	2.700	0.450	0.100	0.000	0.243	-
iv	Inside	1.000	6.050	3.650	0.160	0.000	3.533	-
Total Quantity					4.9912 cum (cum)		4.9912 Cum (Cubic Meter)	
Amount					4.9912 X 579.955332		2894.67	
<b>3. Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal</b>								

Cement concrete (1:4:8) 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	COL	6.000	1.200	1.200	0.100	0.000	0.864	-
ii	WALL	4.000	1.950	0.450	0.100	0.000	0.351	-
iii	WALL	2.000	2.700	0.450	0.100	0.000	0.243	-
iv	INSIDE	1.000	6.050	3.650	0.100	0.000	2.208	-
Total Quantity					3.66625 cum (cum)		3.66625 Cum (Cubic Meter)	
Amount					3.66625 X 5910.69350992		21670.08	

**4. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	6.000	1.200	1.200	0.300	0.000	2.592	-
ii	col	6.000	0.900	0.900	0.300	0.000	1.458	-
iii	col	6.000	0.250	0.250	0.400	0.000	0.150	-
iv	col	6.000	0.250	0.250	0.500	0.000	0.188	-
v	Col(upto slab)	6.000	0.250	0.250	2.700	0.000	1.013	-
vi	Plinth	4.000	2.900	0.250	0.250	0.000	0.725	-
vii	Plinth	2.000	3.650	0.250	0.250	0.000	0.456	-
viii	lintel	4.000	2.900	0.250	0.300	0.000	0.870	-
ix	lintel	2.000	3.650	0.250	0.300	0.000	0.548	-

x	Roof Slab	1.000	6.850	4.350	0.100	0.000	2.980	-
Total Quantity					10.9785 cum (cum)		10.9785 Cum (Cubic Meter)	
Amount					10.9785 X 6693.0918378988		73480.11	
<b>5. 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	steel	9.020	0.000	0.000	0.000	0.000	9.020	-
Total Quantity					9.02 Qntl (Quintal)		9.02 Qntl (Quintal)	
Amount					9.02 X 7957.328127		71775.10	
<b>6. Masonry Brick Work (AR0602d) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in foundation and plinth</b>								
Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) 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	Wall	4.000	1.950	0.380	0.400	0.000	1.186	-
ii	Wall	2.000	2.700	0.380	0.400	0.000	0.821	-
iii	Wall	4.000	2.900	0.225	0.250	0.000	0.653	-
iv	wall	2.000	3.650	0.225	0.250	0.000	0.411	-
Total Quantity					3.069525 cum (cum)		3.069525 Cum (Cubic Meter)	
Amount					3.069525 X 5260.9946055		16148.75	
<b>7. Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure</b>								

Brickwork with C.B. 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  $\pm 8$  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	Walls	4.000	2.900	0.225	2.700	0.000	7.047	-
ii	Walls	2.000	3.650	0.225	2.700	0.000	4.435	-
iii	Door	1.000	1.350	0.225	2.100	0.000	-	0.638
iv	WINDOW	2.000	1.200	0.225	1.200	0.000	-	0.648
v	WINDOW	4.000	0.600	0.225	0.600	0.000	-	0.324
Total Quantity					9.871875 cum (cum)		9.871875 Cum (Cubic Meter)	
Amount					9.871875 X 5294.3246055		52264.91	

**8. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	6.000	3.600	0.300	0.000	0.000	6.480	-
ii	Col	6.000	1.000	0.900	0.000	0.000	5.400	-
iii	Plinth	8.000	2.900	0.250	0.000	0.000	5.800	-
iv	Plinth	4.000	3.650	0.150	0.000	0.000	2.190	-
Total Quantity					19.87 Sqm (Sqm)		19.87 Sqm (Square Meter)	
Amount					19.87 X 216.39264180804		4299.72	

**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	Col	6.000	1.000	0.000	2.700	0.000	16.200	-
Total Quantity					16.2 Sqm (Sqm)		16.2 Sqm (Square Meter)	
Amount					16.2 X 1047.9038224181		16976.04	

**10. 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	Wall	8.000	2.900	0.000	0.300	0.000	6.960	-
ii	Wall	4.000	3.650	0.000	0.300	0.000	4.380	-
Total Quantity					11.34 Sqm (Sqm)		11.34 Sqm (Square Meter)	
Amount					11.34 X 499.57698698128		5665.20	

**11. 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	6.850	4.350	0.000	0.000	29.798	-
Total Quantity					29.7975 Sqm (Sqm)		29.7975 Sqm (Square Meter)	
Amount					29.7975 X 663.29946175911		19764.67	

**12. 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	wall	2.000	6.550	0.000	3.000	0.000	39.300	-
ii	wall	2.000	4.150	0.000	3.000	0.000	24.900	-
iii	door	0.500	1.350	0.000	2.100	0.000	-	1.418
iv	Window	1.000	1.200	0.000	1.200	0.000	-	1.440
v	Window	2.000	0.600	0.000	0.600	0.000	0.720	-
Total Quantity					62.0625 Sqm (Sqm)		62.0625 Sqm (Square Meter)	
<b>Amount</b>					<b>62.0625 X 173.7066951488</b>		<b>10780.67</b>	

**13. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.**

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	wall	2.000	6.050	0.000	2.700	0.000	32.670	-
ii	wall	2.000	3.650	0.000	2.700	0.000	19.710	-
iii	door	0.500	1.200	0.000	2.100	0.000	-	1.260
iv	Window	2.000	1.200	0.000	1.200	0.000	-	2.880
v	Window	2.000	0.600	0.600	0.000	0.000	-	0.720
Total Quantity					47.52 Sqm (Sqm)		47.52 Sqm (Square Meter)	
<b>Amount</b>					<b>47.52 X 248.731038348</b>		<b>11819.70</b>	
<b>Total Amount</b>							<b>310894.12</b>	
<b>Addition</b>								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3192.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	119.00
<b>Total Addition</b>	<b>8311.00</b>
<b>Grand Net Total Amount</b>	<b>319205.12</b>

**LOJISMITA MOHAPATRO**  
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**ASHOK KUMAR PRUSTI**  
**AEE**  
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**Gop Block**