

## Detailed Estimate

**OD/356/3397/275267/401175/00072543 : Const Of Bhagabat Tungi At Kumar Ward No-4**  
**Block : Dharmasala, Gram Panchayat : Kumari**  
**Created By: SANTOSHI PANDA**

<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	L walll	2.000	3.950	0.375	0.450	0.000	1.333	-	
iii	S wall	2.000	2.700	0.375	0.450	0.000	0.911	-	
iv	Step	1.000	1.800	0.750	0.300	0.000	0.405	-	
<b>Total Quantity</b>					<b>13.017375 cum (cum)</b>		<b>13.017375 Cum (Cubic Meter)</b>		
<b>Amount</b>					<b>13.017375 X 240.77592</b>		<b>3134.27</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	Col	6.000	1.200	1.200	0.150	0.000	1.296	-	
ii	L walll	2.000	5.850	0.375	0.100	0.000	0.439	-	
iii	S wall	2.000	3.650	0.375	0.100	0.000	0.274	-	
iv	Step	1.000	1.800	0.750	0.100	0.000	0.135	-	
v	Inside	1.000	6.100	3.650	0.600	0.000	13.359	-	
<b>Total Quantity</b>					<b>15.5025 cum (cum)</b>		<b>15.5025 Cum (Cubic Meter)</b>		

<b>Amount</b>			<b>15.5025 X 721.547232</b>				<b>11185.79</b>	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	6.000	1.200	1.200	0.150	0.000	1.296	-
ii	L walll	2.000	5.850	0.375	0.100	0.000	0.439	-
iii	S wall	2.000	3.650	0.375	0.100	0.000	0.274	-
iv	Step	1.000	1.800	0.750	0.100	0.000	0.135	-
v	Inside	1.000	6.100	3.650	0.100	0.000	2.227	-
Total Quantity					4.37 cum (cum)		4.37 Cum (Cubic Meter)	
<b>Amount</b>			<b>4.37 X 5690.74356166</b>				<b>24868.55</b>	
<b>4. 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	Col	6.000	1.200	1.200	0.250	0.000	2.160	-
ii	col	6.000	0.600	0.600	0.200	0.000	0.432	-
Total Quantity					2.592 cum (cum)		2.592 Cum (Cubic Meter)	
<b>Amount</b>			<b>2.592 X 6248.0512272047</b>				<b>16194.95</b>	
<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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth L wall	2.000	6.600	0.250	0.250	0.000	0.825	-
ii	S wall	2.000	3.650	0.250	0.250	0.000	0.456	-
Total Quantity					1.28125 cum (cum)		1.28125 Cum (Cubic Meter)	
Amount					1.28125 X 7004.8733523464		8974.99	

**6. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	6.000	0.250	0.250	3.600	0.000	1.350	-
ii	L wall	2.000	6.600	0.250	0.200	0.000	0.660	-
iii	S wall	2.000	3.650	0.250	0.200	0.000	0.365	-
iv	R beam	1.000	3.650	0.250	0.200	0.000	0.183	-
Total Quantity					2.5575 cum (cum)		2.5575 Cum (Cubic Meter)	
Amount					2.5575 X 14303.804614525		36581.98	

**7. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	L wall	2.000	1.500	0.250	0.150	0.000	0.113	-
Total Quantity					0.1125 cum (cum)		0.1125 Cum (Cubic Meter)	
Amount					0.1125 X 12912.335455735		1452.64	
<b>8. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	7.200	4.750	0.100	0.000	3.420	-
Total Quantity					3.42 cum (cum)		3.42 Cum (Cubic Meter)	
Amount					3.42 X 12549.935631595		42920.78	
<b>9. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	L wall	2.000	5.850	0.375	0.250	0.000	1.097	-
ii	S wall	2.000	3.650	0.375	0.250	0.000	0.684	-
iii	2nd layer	2.000	5.850	0.250	0.450	0.000	1.316	-
iv	S wall	2.000	3.650	0.250	0.450	0.000	0.821	-
v	Step	1.000	1.800	0.750	0.300	0.000	0.405	-
vi	Step	1.000	1.800	0.500	0.150	0.000	0.135	-
vii	Step	1.000	1.800	0.250	0.150	0.000	0.068	-
Total Quantity					4.52625 cum (cum)		4.52625 Cum (Cubic Meter)	

Amount						4.52625 X 4849.910060288	21951.91	
<b>10. 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 ±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	L wall	2.000	2.700	0.250	2.850	0.000	3.848	-
ii	S wall	2.000	3.650	0.250	2.850	0.000	5.201	-
iii	Ded Door	1.000	1.200	0.250	2.100	0.000	-	0.630
iv	Window	1.000	1.200	0.250	1.200	0.000	-	0.360
Total Quantity					8.05875 cum (cum)		8.05875 Cum (Cubic Meter)	
Amount						8.05875 X 4883.240060288	39352.81	
<b>11. 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	L wall	2.000	3.650	0.000	2.850	0.000	20.805	-
ii	S wall	2.000	2.450	0.000	2.850	0.000	13.965	-
iii	Ded Door	1.000	1.200	0.000	2.100	0.500	-	1.260
iv	Window	1.000	1.200	0.000	1.200	0.500	-	0.720
Total Quantity					32.79 Sqm (Sqm)		32.79 Sqm (Square Meter)	
Amount						32.79 X 243.796458522	7994.09	
<b>12. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								

12mm thick cement plaster (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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L wall	2.000	4.150	0.000	3.050	0.000	25.315	-
ii	S wall	2.000	2.950	0.000	3.050	0.000	17.995	-
iii	Ded Door	1.000	1.200	0.000	2.100	0.500	-	1.260
iv	Window	1.000	1.200	0.000	1.200	0.500	-	0.720
Total Quantity					41.33 Sqm (Sqm)		41.33 Sqm (Square Meter)	
Amount					41.33 X 169.5958077332		7009.39	

### 13. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Ceiling	1.000	6.600	4.150	0.000	0.000	27.390	-
ii	Beam	2.000	3.650	0.250	0.000	0.000	1.825	-
iii	Slab Carnish	2.000	7.200	0.250	0.000	0.000	3.600	-
iv	Slab	2.000	4.450	0.250	0.000	0.000	2.225	-
v	Col	6.000	0.250	3.000	4.000	0.000	18.000	-
Total Quantity					53.04 Sqm (Sqm)		53.04 Sqm (Square Meter)	
Amount					53.04 X 188.8528632088		10016.76	

### 14. Other Building Items. (AR1901Ba) : First floor

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	6.100	3.650	0.000	0.000	22.265	-
ii	Step	3.000	1.800	0.250	0.000	0.000	1.350	-
Total Quantity					23.615 Sqm (Sqm)		23.615 Sqm (Square Meter)	
Amount					23.615 X 1053.7476008226		24884.25	

**15. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)**

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	6.000	0.250	0.250	0.000	4.000	1.500	-
ii	Step	3.000	1.800	0.150	0.000	0.000	0.810	-
Total Quantity					2.31 Sqm (Sqm)		2.31 Sqm (Square Meter)	
Amount					2.31 X 1524.026828136		3520.50	

**16. 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	Qty	9.850	0.950	0.000	0.000	0.000	9.358	-
Total Quantity					9.3575 Qntl (Quintal)		9.3575 Qntl (Quintal)	
Amount					9.3575 X 8429.867838		78882.49	

**17. Other Building Items. (AR1902) : cement based wall putty (water based)**

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside	1.000	6.100	3.650	0.000	0.000	22.265	-
Total Quantity					22.265 Sqm (Sqm)		22.265 Sqm (Square Meter)	
Amount					22.265 X 79.21834		1763.80	

**18. Painting (AR0922b) : Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside)**

Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty 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	inside	2.000	3.650	0.000	2.850	0.000	20.805	-
ii	Inside	2.000	2.450	0.000	2.850	0.000	13.965	-
iii	ceiling	1.000	6.600	0.000	4.150	0.000	27.390	-
iv	ded Door	1.000	1.200	0.000	2.100	0.500	-	1.260
v	Window	1.000	1.200	0.000	1.200	0.500	-	0.720
vi	Tiles	2.000	3.650	0.000	0.150	0.000	-	1.095
vii	Tile	2.000	2.450	0.000	0.150	0.000	-	0.735
Total Quantity					58.35 Sqm (Sqm)		58.35 Sqm (Square Meter)	
Amount					58.35 X 150.37700530451		8774.50	

**19. Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).**

Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer 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)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	out side	2.000	4.150	0.000	3.050	0.000	25.315	-

ii	Out side	2.000	2.950	0.000	3.050	0.000	17.995	-	
iii	Door	1.000	1.200	0.000	2.100	0.000	-	2.520	
iv	Window	1.000	1.200	0.000	1.200	0.000	-	1.440	
Total Quantity					39.35 Sqm (Sqm)		39.35 Sqm (Square Meter)		
Amount					39.35 X 162.6076363475		6398.61		

#### 20. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours 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	Door	1.000	1.200	0.000	2.100	35.000	88.200	-	
ii	Window	1.000	1.200	0.000	1.200	45.000	64.800	-	
Total Quantity					153 Kg (Kilo Gram)		1.53 Qntl (Quintal)		
Amount					1.53 X 15772.609267087		24132.09		

#### 21. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface

Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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	Door	1.000	1.200	0.000	2.100	2.250	5.670	-	
ii	Window	1.000	1.200	0.000	1.200	2.750	3.960	-	
Total Quantity					9.63 Sqm (Sqm)		9.63 Sqm (Square Meter)		
Amount					9.63 X 229.57454532053		2210.80		
Total Amount							382205.94		

#### Addition

Provision for PH Work (+) @

Provision for EI Work (+) @	9794.00
Provision for Contingency (+) @	4000.00
Display Citizen Board (+) @	4000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>17794.00</b>
<b>Grand Net Total Amount</b>	<b>399999.94</b>

**SANTOSHI PANDA**  
**JE**  
**Dharmasala Block**

**RAJAT KUMAR MOHAPATRA**  
**AEE**  
**Dharmasala Block**

**Jyotirmaya Kar**  
**BDO**  
**Dharmasala Block**