

## Detailed Estimate

**OD/345/3292/115928/421465/00063627 : CONST OF VANA SURAKSHA SAMITI BUILDING AT DANGABANJI**  
**Block : Muribahal, Gram Panchayat : Malisira**  
**Created By:GITANJALI SAHU**

<b>1. 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	l/w	2.000	6.250	0.600	0.100	0.000	0.750	-
ii	s/w	3.000	6.150	0.600	0.100	0.000	1.107	-
iii	s/w	1.000	2.550	0.600	0.100	0.000	0.153	-
iv	col	9.000	1.200	1.200	0.150	0.000	1.944	-
v	room	4.100	2.300	0.100	0.000	0.000	0.943	-
vi	toilet	1.550	2.300	0.100	0.000	0.000	0.357	-
vii	hall	5.900	3.450	0.100	0.000	0.000	2.036	-
viii	septic tank	1.800	1.800	0.100	0.000	0.000	0.324	-
ix	col	9.000	1.200	0.600	0.100	0.000	-	0.648
Total Quantity					6.965 cum (cum)		6.965 Cum (Cubic Meter)	
Amount					6.965 X 5028.36400826		35022.56	
<b>2. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								
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	office	2.000	6.400	3.300	1.000	0.000	42.240	-

ii	office	2.000	6.500	3.600	1.000	0.000	46.800	-	
iii	window	3.000	0.750	1.050	0.000	0.000	-	2.363	
iv	door	1.000	0.900	2.000	0.000	0.000	-	1.800	
v	v	4.000	0.450	0.300	0.000	0.000	-	0.540	
Total Quantity					84.3375 Sqm (Sqm)		84.3375 Sqm (Square Meter)		
Amount					84.3375 X 165.0717593752		13921.74		

### 3. 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	lintel bend	2.000	2.000	6.500	0.150	0.000	3.900	-	
ii	lintel ben	2.000	3.000	5.650	0.150	0.000	5.085	-	
iii	lintel ben	2.000	2.300	0.150	0.000	0.000	0.690	-	
Total Quantity					9.675 Sqm (Sqm)		9.675 Sqm (Square Meter)		
Amount					9.675 X 499.15267251462		4829.30		

### 4. 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	slab	1.000	7.300	7.600	1.000	0.000	55.480	-	
ii	Chajja	1.000	6.400	0.450	1.000	0.000	2.880	-	
Total Quantity					58.36 Sqm (Sqm)		58.36 Sqm (Square Meter)		

<b>Amount</b>				<b>58.36 X 662.689943368</b>			<b>38674.59</b>	
<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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Rcc work	1.000	1.000	1.000	18.090	0.000	18.090	-
Total Quantity					18.09 Qntl (Quintal)		18.09 Qntl (Quintal)	
<b>Amount</b>				<b>18.09 X 8408.3256995</b>			<b>152106.61</b>	
<b>6. 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)</b>								
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	office	1.000	4.100	2.300	1.000	1.000	9.430	-
ii	toilet	1.000	1.550	2.300	1.000	1.000	3.565	-
iii	hall	1.000	5.900	3.450	1.000	1.000	20.355	-
Total Quantity					33.35 Sqm (Sqm)		33.35 Sqm (Square Meter)	
<b>Amount</b>				<b>33.35 X 1514.475939886</b>			<b>50507.77</b>	
<b>7. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor</b>								
Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	toilet	2.000	5.000	1.000	4.000	0.093	3.720	-

ii	toilet	2.000	7.500	1.000	4.000	0.093	5.580	-	
Total Quantity					9.3 Sqm (Sqm)		9.3 Sqm (Square Meter)		
Amount					9.3 X 1168.9522151888		10871.26		
<b>8. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	col	9.000	1.200	1.200	1.000	0.200	2.592	-	
ii	col	9.000	0.250	0.250	1.000	3.900	2.194	-	
iii	PB L/W	2.000	6.500	0.250	1.000	0.250	0.813	-	
iv	PB S/W	3.000	6.400	0.250	1.000	0.250	1.200	-	
v	S/W	1.000	2.300	0.250	1.000	0.250	0.144	-	
vi		9.000	0.250	0.250	0.250	1.000	-	0.141	
vii	LB L/W	2.000	6.500	0.250	0.150	1.000	0.488	-	
viii	LB S/W	3.000	6.400	0.250	0.150	1.000	0.720	-	
ix	S/W	1.000	2.300	0.250	0.250	1.000	0.144	-	
x	COL	9.000	0.250	0.250	0.150	1.000	-	0.084	
xi	WALL BEAM L/W	2.000	6.500	0.250	0.150	1.000	0.488	-	
xii	S/W	3.000	6.400	0.250	0.150	1.000	0.720	-	
xiii	S/W	1.000	2.300	0.250	0.150	1.000	0.086	-	
xiv	COL	9.000	0.250	0.250	0.150	1.000	-	0.084	
xv	ROOR BEAM	1.000	3.950	0.250	0.250	1.000	0.247	-	

xvi	CHHAJA	2.000	1.000	0.450	0.080	1.000	0.072	-
xvii	CHHAJA FRONT	1.000	6.400	0.450	0.080	1.000	0.230	-
xviii	ROOF SLAB	1.000	7.300	7.600	0.125	0.000	6.935	-
xix	septic tank slab	1.000	1.800	1.800	0.080	0.000	0.259	-
xx	waist slab	1.000	7.800	0.900	0.150	0.000	1.053	-
xxi	step	20.000	0.500	0.900	0.150	0.000	1.350	-
xxii	waist slab beam	3.000	0.900	0.250	0.250	0.000	0.169	-
Total Quantity					19.59285 cum (cum)		19.59285 Cum (Cubic Meter)	
Amount					19.59285 X 5184.7917639402		101584.85	
<b>9. Earth Work (AR0122Aia) : Earthwork in all kinds of soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift</b>								
Earthwork in all kinds of soil in foundation and 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 direction of the Engineer-in-charge								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.250	0.600	0.600	0.000	4.500	-
ii		3.000	6.150	0.600	0.600	0.000	6.642	-
iii		1.000	2.550	0.600	0.600	0.000	0.918	-
iv	col	9.000	1.200	1.200	1.200	0.000	15.552	-
v	st	1.000	1.800	1.800	1.500	0.000	4.860	-
vi	col	9.000	1.200	0.600	0.600	0.000	-	3.888
Total Quantity					28.584 cum (cum)		28.584 Cum (Cubic Meter)	
Amount					28.584 X 265.152522096		7579.12	

**10. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

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  $\pm 8$  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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	l/w	2.000	6.500	0.230	2.850	0.000	8.522	-
ii	s/w	3.000	6.400	0.230	2.850	0.000	12.586	-
iii	s/w	1.000	2.300	0.230	2.850	0.000	1.508	-
iv	col	9.000	0.250	0.250	2.850	0.000	-	1.603
v	w	3.000	0.750	1.050	0.230	0.000	-	0.543
vi	door	1.000	2.000	0.230	1.000	0.000	-	0.460
vii	door	1.000	0.900	2.000	0.230	0.000	-	0.414
viii	door	1.000	0.750	2.000	0.230	0.000	-	0.345
ix	parapet wall	0.000	7.300	0.230	0.600	0.000	1.007	-
x		2.000	6.500	0.230	0.600	0.000	1.794	-
xi	ralling	1.000	7.800	0.125	0.750	0.000	0.731	-
Total Quantity					22.7819 cum (cum)		22.7819 Cum (Cubic Meter)	
Amount					22.7819 X 5005.379348168		114032.05	

**11. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	office	1.000	5.900	3.450	1.000	0.000	20.355	-

ii	hall	1.000	4.100	2.300	1.000	0.000	9.430	-
iii	toilet	1.000	1.550	2.300	1.000	0.000	3.565	-
Total Quantity					33.35 Sqm (Sqm)		33.35 Sqm (Square Meter)	
Amount					33.35 X 185.5701902968		6188.77	
<b>12. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	office	2.000	5.900	3.000	1.000	0.000	35.400	-
ii	office	2.000	3.450	3.000	1.000	0.000	20.700	-
iii	hall	2.000	4.100	3.000	0.000	0.000	24.600	-
iv	hall	2.000	2.300	3.000	0.000	0.000	13.800	-
v	toilet	2.000	1.550	3.000	0.000	0.000	9.300	-
vi	toilet	2.000	2.300	3.000	0.000	0.000	13.800	-
vii	window	3.000	0.750	1.050	0.000	0.000	-	2.363
viii	door	1.000	0.900	2.000	0.000	0.000	-	1.800
ix	door	1.000	1.000	2.000	0.000	0.000	-	2.000
x	door	1.000	0.750	2.000	0.000	0.000	-	1.500
xi	vent	4.000	0.450	0.300	0.000	0.000	-	0.540
Total Quantity					109.3975 Sqm (Sqm)		109.3975 Sqm (Square Meter)	
Amount					109.3975 X 238.107756742		26048.39	
<b>13. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)</b>								

Finishing wall two coats with distemper of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes 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	office	2.000	14.000	1.000	10.000	0.093	26.040	-
ii	office	2.000	8.580	1.000	10.000	0.093	15.959	-
iii	toilet	2.000	6.000	1.000	10.000	0.093	11.160	-
iv	toilet	2.000	8.580	1.000	10.000	0.093	15.959	-
v	hall	2.000	19.750	1.000	10.000	0.093	36.735	-
vi	hall	2.000	12.410	1.000	10.000	0.093	23.083	-
vii	door	1.000	4.000	1.000	7.000	0.093	2.604	-
viii	door	2.000	3.000	1.000	7.000	0.093	3.906	-
ix	window	3.000	5.000	1.000	4.500	0.093	6.278	-
x	window	1.000	3.500	1.000	4.500	0.093	1.465	-
xi	v	2.000	1.500	1.000	1.000	0.093	0.279	-
Total Quantity					143.46645 Sqm (Sqm)		143.46645 Sqm (Square Meter)	
Amount					143.46645 X 78.835517175		11310.25	

**14. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips**

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1	7.300	7.600	0.000	0.000	0.000	55.480	-
Total Quantity					55.48 Sqm (Sqm)		55.48 Sqm (Square Meter)	
Amount					55.48 X 336.3187370052		18658.96	

**15. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed**

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	l/w	2.000	6.250	0.600	0.100	0.000	0.750	-
ii	s/w	3.000	6.150	0.600	0.100	0.000	1.107	-
iii	s/w	1.000	2.550	0.600	0.100	0.000	0.153	-
iv	col	9.000	1.200	1.200	0.100	0.000	1.296	-
v	room	1.000	4.100	2.300	0.150	0.000	1.415	-
vi	toilet	1.000	1.550	2.330	0.150	0.000	0.542	-
vii	hall	1.000	3.450	5.900	0.150	0.000	3.053	-
viii	septic tank	1.000	1.800	1.800	0.100	0.000	0.324	-
ix	col	9.000	1.200	0.600	0.100	0.000	-	0.648
Total Quantity					7.991475 cum (cum)		7.991475 Cum (Cubic Meter)	
Amount					7.991475 X 518.537232		4143.88	

**16. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth**

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  $\pm 8$  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	long wall	2.000	6.620	0.375	0.600	0.000	2.979	-
ii		3.000	5.770	0.375	0.600	0.000	3.895	-
iii	PB	4.000	6.620	0.125	0.250	0.000	0.828	-
iv		6.000	5.770	0.125	0.250	0.000	1.082	-

v	ST	2.000	1.800	0.230	1.900	0.000	1.573	-	
vi		2.000	1.340	0.230	1.900	0.000	1.171	-	
vii	col	9.000	0.250	0.250	0.600	0.000	-	0.338	
Total Quantity					11.189985 cum (cum)		11.189985 Cum (Cubic Meter)		
Amount					11.189985 X 4959.240023168		55493.82		

**17. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Roof beam	4.000	6.500	0.000	0.150	0.000	3.900	-	
ii		6.000	5.650	0.000	0.150	0.000	5.085	-	
iii		2.000	2.300	0.000	0.150	0.000	0.690	-	
iv		3.000	3.950	0.000	0.250	0.000	2.963	-	
v	Col	36.000	0.250	0.000	3.750	0.000	33.750	-	
Total Quantity					46.3875 Sqm (Sqm)		46.3875 Sqm (Square Meter)		
Amount					46.3875 X 1047.3822930467		48585.45		

**18. 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	Wall	1.000	0.000	0.000	0.000	254.000	254.000	-	
Total Quantity					254 Sqm (Sqm)		254 Sqm (Square Meter)		

<b>Amount</b>				254 X 71.83248932951			18245.45	
<b>19. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)</b>								
Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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	W	3.000	0.750	1.050	0.000	0.000	2.363	-
ii		3.000	0.750	2.250	0.000	0.000	5.063	-
iii	D	1.000	2.000	2.250	0.000	0.000	4.500	-
iv		1.000	0.900	2.250	0.000	0.000	2.025	-
Total Quantity					13.95 Sqm (Sqm)		13.95 Sqm (Square Meter)	
<b>Amount</b>				13.95 X 164.22772665202			2290.98	
<b>20. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>								
Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes 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	wall	1.000	0.000	0.000	0.000	254.000	254.000	-
Total Quantity					254 Sqm (Sqm)		254 Sqm (Square Meter)	
<b>Amount</b>				254 X 94.7526285875			24067.17	
<b>Total Amount</b>							744162.96	
<b>Addition</b>								
Provision for PH Work (+) @							23800.00	
Provision for EI Work (+) @							29000.00	
Provision for Contingency (+) @							8500.00	
Display Citizen Board (+) @							4500.00	

Any Other Lumpsum (+) @	40000.00
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>105800.00</b>
<b>Grand Net Total Amount</b>	<b>849962.96</b>

**GITANJALI SAHU**  
**JE**  
**Muribahal Block**

**Abinash Mudi**  
**AEE**  
**Muribahal Block**

**Basanti Sethy**  
**BDO**  
**Muribahal Block**