

Detailed Estimate

**OD/345/3292/115929/421451/00063602 : Const of Vana Suraksha Suraksha Samiti (VSS) Building at Banbahal
Muribahal GP**

Block : Muribahal, Gram Panchayat : Muribahal

Created By:DEBANANDA MEHER

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
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	column	9.000	4.000	4.000	4.000	0.028	16.301	-
ii	L/W	3.000	11.500	2.500	2.500	0.028	6.102	-
iii	S/W	2.000	8.500	2.500	2.500	0.028	3.007	-
iv	P/W	1.000	4.330	2.500	2.500	0.028	0.766	-
v	SEPTIK TANK	1.000	6.000	6.000	6.000	0.028	6.113	-
Total Quantity					32.28853125 cum (cum)		32.28853125 Cum (Cubic Meter)	
Amount					32.28853125 X 240.77592		7774.30	
2. 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	COLUMNM	9.000	4.000	4.000	0.500	0.028	2.038	-
ii	L/W	3.000	2.500	2.500	0.500	0.028	0.265	-
iii	S/W	2.000	2.500	2.500	0.500	0.028	0.177	-
iv	P/W	1.000	2.500	2.500	0.500	0.028	0.088	-

v	OFFICE	1.000	12.500	7.080	2.000	0.028	5.009	-
vi	TOILET	1.000	4.500	7.080	2.000	0.028	1.803	-
vii	HALL	1.000	18.250	10.910	2.000	0.028	11.270	-
viii	SEPTIC TANK	1.000	6.000	6.000	0.500	0.028	0.509	-
Total Quantity					21.1594855 cum (cum)		21.1594855 Cum (Cubic Meter)	
Amount					21.1594855 X 449.756232		9516.61	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	9.000	4.000	4.000	0.500	0.028	2.038	-
ii	L/W	3.000	11.500	2.500	0.500	0.028	1.220	-
iii	S/W	2.000	8.490	2.500	0.500	0.028	0.601	-
iv	P/W	1.000	4.330	2.500	0.500	0.028	0.153	-
v	OFFICE	1.000	12.500	7.080	0.330	0.028	0.827	-
vi	TOILET	1.000	4.500	7.080	0.330	0.028	0.298	-
vii	HALL	1.000	18.250	10.910	0.330	0.028	1.859	-
viii	SEPTIK TANK	1.000	6.000	6.000	0.330	0.028	0.336	-
Total Quantity					7.3315897325 cum (cum)		7.3315897325 Cum (Cubic Meter)	
Amount					7.3315897325 X 5273.72548986		38664.79	

4. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1ST FOOTING L.W	3.000	16.160	1.660	1.500	0.028	3.416	-
ii	S/W	2.000	17.160	1.660	1.500	0.028	2.418	-
iii	P/W	1.000	6.660	1.660	1.500	0.028	0.469	-
iv	2ND FOOTINGL/W	3.000	16.500	1.250	2.000	0.028	3.502	-
v	S/W	2.000	17.580	1.250	2.000	0.028	2.488	-
vi	P/W	1.000	7.080	1.250	2.000	0.028	0.501	-
Total Quantity					12.79458282 cum (cum)		12.79458282 Cum (Cubic Meter)	
Amount					12.79458282 X 5106.986406648		65341.76	

5. 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	14.000	8.580	1.000	0.093	11.159	-
ii	TOILET	1.000	6.000	8.580	1.000	0.093	4.782	-
iii	HALL	1.000	19.750	12.410	1.000	0.093	22.770	-
Total Quantity					38.71119775 Sqm (Sqm)		38.71119775 Sqm (Square Meter)	
Amount					38.71119775 X 188.7000578848		7304.81	

6. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside

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	OFFICE	2.000	14.000	1.000	10.000	0.093	26.012	-
ii	OFFICE	2.000	8.580	1.000	10.000	0.093	15.942	-
iii	TOILET	2.000	6.000	1.000	10.000	0.093	11.148	-
iv	TOILET	2.000	8.580	1.000	10.000	0.093	15.942	-
v	HALL	2.000	19.750	1.000	10.000	0.093	36.696	-
vi	HALL	2.000	12.410	1.000	10.000	0.093	23.058	-
vii	DOOR	1.000	4.000	1.000	7.000	0.093	-	2.601
viii	DOOR	2.000	3.000	1.000	7.000	0.093	-	3.902
ix	WINDOW	3.000	5.000	1.000	4.000	0.093	-	5.574
x	WINDOW	1.000	3.500	1.000	4.000	0.093	-	1.301
xi	VENTILATER	1.000	1.500	1.000	1.000	0.093	-	0.139
Total Quantity					115.27961 Sqm (Sqm)		115.27961 Sqm (Square Meter)	
Amount					115.27961 X 168.9370618972		19475.00	

7. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUTSIDE	2.000	20.250	1.000	12.000	0.093	45.149	-
ii	OUTSIDE	2.000	21.240	1.000	12.000	0.093	47.357	-
iii	DOOR	1.000	4.000	1.000	7.000	0.093	-	2.601

iv	WINDOW	3.000	5.000	1.000	4.000	0.093	-	5.574	
v	WINDOW	1.000	3.500	0.000	4.000	0.093	-	1.301	
vi	VENTILATER	1.000	1.500	1.000	1.000	0.093	0.139	-	
Total Quantity					83.169654 Sqm (Sqm)		83.169654 Sqm (Square Meter)		
Amount					83.169654 X 243.006329462		20210.75		

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	COLUMN	9.000	3.500	2.000	0.750	0.093	4.390	-	
ii	L/W	3.000	18.000	2.000	0.830	0.093	8.328	-	
iii	S/W	2.000	19.000	2.000	0.830	0.093	5.860	-	
iv	P/W	1.000	7.580	2.000	0.830	0.093	1.169	-	
Total Quantity					19.74615512 Sqm (Sqm)		19.74615512 Sqm (Square Meter)		
Amount					19.74615512 X 216.23489289764		4269.81		

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, girder and bressmer, etc. Data for 4.2sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN	9.000	2.500	4.000	1.500	0.093	12.542	-
ii	COLUMN	9.000	1.250	4.000	2.500	0.093	10.451	-
iii	COLUMN	9.000	0.750	4.000	9.000	0.093	22.575	-

iv	WALL BEAM L/W	3.000	18.000	2.000	0.500	0.093	5.017	-	
v	S/W	2.000	19.000	2.000	0.500	0.093	3.530	-	
vi	P/W	1.000	7.580	2.000	0.500	0.093	0.704	-	
Total Quantity					54.818432 Sqm (Sqm)		54.818432 Sqm (Square Meter)		
Amount					54.818432 X 1047.3822930467		57415.86		

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	L/W	3.000	18.000	2.000	0.500	0.093	5.017	-	
ii	S/W	2.000	19.000	2.000	0.500	0.093	3.530	-	
iii	P/W	1.000	7.580	2.000	0.500	0.093	0.704	-	
Total Quantity					9.250982 Sqm (Sqm)		9.250982 Sqm (Square Meter)		
Amount					9.250982 X 499.15267251462		4617.65		

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	SLAB	1.000	21.250	22.500	1.000	0.093	44.418	-
ii	DUCK SLAB	1.000	14.000	3.500	1.000	0.093	4.552	-
iii	SEPTIK TANK	1.000	6.750	6.750	1.000	0.093	4.233	-

Total Quantity	53.20266875 Sqm (Sqm)	53.20266875 Sqm (Square Meter)
Amount	53.20266875 X 662.689943368	35256.87

12. 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	RCC WORK	1.000	1.000	1.000	19.500	1.000	19.500	-
Total Quantity					19.5 Qntl (Quintal)		19.5 Qntl (Quintal)	
Amount					19.5 X 8898.9456629		173529.44	

13. 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	OFFICE	1.000	14.000	8.580	1.000	0.093	11.159	-
ii	TOILET	1.000	6.000	8.580	1.000	0.093	4.782	-
iii	HALL	1.000	19.750	12.410	1.000	0.093	22.770	-
Total Quantity					38.71119775 Sqm (Sqm)		38.71119775 Sqm (Square Meter)	
Amount					38.71119775 X 1527.603998666		59135.38	

14. 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

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	3.716	-
ii	TOILET	2.000	7.580	1.000	4.000	0.093	5.633	-
Total Quantity					9.349456 Sqm (Sqm)		9.349456 Sqm (Square Meter)	
Amount					9.349456 X 1189.4960220168		11121.14	

15. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

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	26.012	-
ii	OFFICE	2.000	8.580	1.000	10.000	0.093	15.942	-
iii	TOILET	2.000	6.000	1.000	10.000	0.093	11.148	-
iv	TOILET	2.000	8.580	1.000	10.000	0.093	15.942	-
v	HALL	2.000	19.750	1.000	10.000	0.093	36.696	-
vi	HALL	2.000	12.410	1.000	10.000	0.093	23.058	-
vii	DOOR	1.000	4.000	1.000	7.000	0.093	-	2.601
viii	DOOR	2.000	3.000	1.000	7.000	0.093	-	3.902
ix	WINDOW	3.000	5.000	1.000	4.500	0.093	-	6.271
x	WINDOW	1.000	3.500	1.000	4.500	0.093	-	1.463
xi	VWNTILATER	2.000	1.500	1.000	1.000	0.093	-	0.279
Total Quantity					114.280935 Sqm (Sqm)		114.280935 Sqm (Square Meter)	
Amount					114.280935 X 78.865539425		9012.83	

16. 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	COLUMN	9.000	4.000	4.000	0.500	0.028	2.038	-
ii	COLUMN	9.000	3.500	3.500	0.750	0.028	2.340	-
iii	COLUMN	9.000	2.500	2.500	1.500	0.028	2.388	-
iv	COLUMN	9.000	1.250	1.250	2.500	0.028	0.995	-
v	COLUMN	9.000	0.750	0.750	9.500	0.028	1.361	-
vi	WALL BEAM	3.000	18.000	0.750	0.500	0.028	0.573	-
vii	S/W	2.000	19.000	0.750	0.500	0.028	0.403	-
viii	P/W	1.000	7.580	0.750	0.500	0.028	0.080	-
ix	LINTEL L/W	3.000	18.000	0.750	0.500	0.028	0.573	-
x	S/W	2.000	19.000	0.750	0.500	0.028	0.403	-
xi	P/W	1.000	7.580	0.750	0.500	0.028	0.080	-
xii	PLINTH L/W	3.000	18.000	0.750	0.830	0.028	0.951	-
xiii	S/W	2.000	19.000	0.750	0.830	0.028	0.669	-
xiv	P/W	1.000	7.580	0.750	0.830	0.028	0.134	-
xv	SLAB	1.000	21.330	22.500	0.410	0.028	5.569	-
xvi	DUCK SLAB	1.000	14.000	3.500	0.500	0.028	0.693	-
xvii	SEPTIK TANK	1.000	6.000	6.000	0.410	0.028	0.418	-
Total Quantity					19.66893299 cum (cum)		19.66893299 Cum (Cubic Meter)	

Amount	19.66893299 X 5520.7999407722	108588.24
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17. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

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/cm² 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	L/W	3.000	18.000	0.750	10.000	0.028	11.462	-
ii	S/W	2.000	19.000	0.750	10.000	0.028	8.066	-
iii	P/W	1.000	7.580	0.750	10.000	0.028	1.609	-
iv	SEPTIK TANK	2.000	6.000	0.750	10.000	0.028	2.547	-
v	SEPTIK TANK	2.000	5.250	0.750	10.000	0.028	2.229	-
vi	DOOR	1.000	4.000	0.750	7.000	0.028	-	0.594
vii	DOOR	2.000	3.000	0.750	7.000	0.028	-	0.891
viii	WINDOW	3.000	5.000	0.750	4.000	0.028	-	1.274
ix	WINDOW	1.000	3.500	0.750	4.000	0.028	-	0.297
x	VENTIO;LATER	1.000	1.500	0.750	1.000	0.028	-	0.032

Total Quantity	22.8232425 cum (cum)	22.8232425 Cum (Cubic Meter)
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Amount	22.8232425 X 5152.530781048	117597.46
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18. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)

Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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
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i	OUTSIDE	2.000	20.250	1.000	12.000	0.093	45.149	-	
ii	OUTSIDE	2.000	21.240	1.000	12.000	0.093	47.357	-	
iii	DOOR	1.000	4.000	1.000	7.000	0.093	-	2.601	
iv	WINDOW	3.000	5.000	1.000	4.000	0.093	-	5.574	
v	WINDOW	1.000	3.500	1.000	4.000	0.093	-	1.301	
vi	VENTILATER	1.000	1.500	1.000	1.000	0.093	-	0.139	
Total Quantity					82.890954 Sqm (Sqm)		82.890954 Sqm (Square Meter)		
Amount					82.890954 X 57.639917259774		4777.83		
Total Amount							753610.53		
Addition									
Provision for PH Work (+) @							18000.00		
Provision for EI Work (+) @							14533.00		
Provision for Contingency (+) @							7536.11		
Display Citizen Board (+) @							3500.00		
Any Other Lumpsum (+) @							52820.00		
Provision for survey investigation and quality control (+) @									
Total Addition							96389.11		
Grand Net Total Amount							849999.63		

DEBANANDA MEHER
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Muribahal Block

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