

Detailed Estimate

OD/344/3283/115747/403921/00066661 : const of vss building at Gurujang

Block : Talacher, Gram Panchayat : Gurujanga

Created By: arunima

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									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column	9.000	1.200	1.200	1.200	0.000	15.552	-	
ii	L/W	2.000	6.550	0.600	0.600	0.000	4.716	-	
iii	S/W	3.000	5.250	0.600	0.600	0.000	5.670	-	
iv	Ded. Col	9.000	1.200	0.600	0.600	0.000	-	3.888	
v	septictank	1.000	1.800	1.800	1.800	0.000	5.832	-	
Total Quantity					27.882 cum (cum)		27.882 Cum (Cubic Meter)		
Amount					27.882 X 240.77592		6713.31		
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.									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Col	9.000	1.200	1.200	0.100	0.000	1.296	-	
ii	L/W	2.000	6.550	0.600	0.100	0.000	0.786	-	
iii	S/W	3.000	5.250	0.600	0.100	0.000	0.945	-	
iv	Room inside	1.000	3.850	2.100	0.500	0.000	4.043	-	
v		1.000	1.500	2.100	0.500	0.000	1.575	-	

vi		1.000	5.600	3.250	0.500	0.000	9.100	-
vii	ded .col	9.000	1.200	0.600	0.100	0.000	-	0.648
viii	septictank	1.000	1.800	1.800	0.150	0.000	0.486	-
Total Quantity					17.5825 cum (cum)		17.5825 Cum (Cubic Meter)	
Amount					17.5825 X 887.389232		15602.52	

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	col	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	L/W	2.000	6.500	0.600	0.150	0.000	1.170	-
iii	S/W	3.000	5.250	0.600	0.150	0.000	1.418	-
iv	Room inside	1.000	3.850	2.100	0.100	0.000	0.809	-
v		1.000	3.250	5.600	0.100	0.000	1.820	-
vi		1.000	1.500	2.100	0.100	0.000	0.315	-
vii	Ded col	9.000	1.200	0.600	0.100	0.000	-	0.648
viii	septic tank	1.000	1.800	1.800	0.150	0.000	0.486	-
Total Quantity					7.313 cum (cum)		7.313 Cum (Cubic Meter)	
Amount					7.313 X 5895.87751288		43116.55	

4. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	1st L/W	2.000	6.450	0.500	0.300	0.000	1.935	-	
ii	S/W	3.000	5.350	0.500	0.300	0.000	2.408	-	
iii	2nd L/W	2.000	6.300	0.375	0.600	0.000	2.835	-	
iv	S/W	3.000	5.480	0.375	0.600	0.000	3.699	-	
v	ded col	9.000	0.500	0.500	0.300	0.000	-	0.675	
vi		9.000	0.375	0.375	0.600	0.000	-	0.759	
vii	Septictank	2.000	1.800	0.250	1.800	0.000	1.620	-	
viii		2.000	1.300	0.250	1.800	0.000	1.170	-	
Total Quantity					12.232125 cum (cum)		12.232125 Cum (Cubic Meter)		
Amount					12.232125 X 5096.858241384		62345.41		

5. 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/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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	6.200	0.250	2.800	0.000	8.680	-
ii		1.000	1.550	0.250	2.800	0.000	1.085	-
iii	S/W	3.000	5.600	0.250	2.800	0.000	11.760	-
iv	Ded col	9.000	0.250	0.250	2.800	0.000	-	1.575
v	Door	1.000	1.200	0.250	2.100	0.000	-	0.630
vi		1.000	1.050	0.250	2.100	0.000	-	0.551
vii		1.000	0.750	0.250	2.100	0.000	-	0.394
viii	window	3.000	1.350	0.250	1.350	0.000	-	1.367

Total Quantity	17.008125 cum (cum)	17.008125 Cum (Cubic Meter)
Amount	17.008125 X 5130.188241384	87254.88

6. 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 base	9.000	1.200	1.200	0.300	0.000	3.888	-
ii	col base	9.000	0.600	0.600	0.300	0.000	0.972	-
iii	col base	9.000	0.375	0.375	0.650	0.000	0.823	-
iv	Plinth L/W	2.000	6.200	0.250	0.250	0.000	0.775	-
v	S/W	3.000	5.600	0.250	0.250	0.000	1.050	-
vi	Lintel	2.000	6.200	0.250	0.150	0.000	0.465	-
vii		1.000	1.550	0.250	0.150	0.000	0.058	-
viii	S/W	3.000	5.600	0.250	0.150	0.000	0.630	-
ix	Col &b wall beam	9.000	0.250	0.250	2.800	0.000	1.575	-
x	L/W	2.000	6.200	0.250	0.150	0.000	0.465	-
xi		1.000	1.550	0.250	0.150	0.000	0.058	-
xii		1.000	3.250	0.250	0.150	0.000	0.122	-
xiii	S/W	3.000	5.600	0.250	0.150	0.000	0.630	-
xiv	Slab	1.000	6.500	6.400	0.125	0.000	5.200	-
xv	Chajja W	3.000	1.650	0.600	0.070	0.000	0.208	-

xvi	front	1.000	11.000	0.600	0.070	0.000	0.462	-
xvii	Staircase waist slab	1.000	6.600	0.900	0.100	0.000	0.594	-
xviii	step	12.000	0.900	0.250	0.150	0.000	0.405	-
xix	Landing	1.000	1.200	1.200	0.100	0.000	0.144	-
xx	Septic tank slab	1.000	2.100	2.100	0.100	0.000	0.441	-
Total Quantity					18.96468125 cum (cum)		18.96468125 Cum (Cubic Meter)	
Amount					18.96468125 X 6033.9686354776		114432.29	
7. 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	base col	36.000	1.200	0.000	0.450	0.000	19.440	-
ii		36.000	0.600	0.000	0.300	0.000	6.480	-
iii		36.000	0.375	0.000	0.650	0.000	8.775	-
iv	Plith beam	6.000	6.200	0.000	0.250	0.000	9.300	-
v		6.000	5.600	0.000	0.250	0.000	8.400	-
Total Quantity					52.395 Sqm (Sqm)		52.395 Sqm (Square Meter)	
Amount					52.395 X 216.23489289764		11329.63	
8. 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	4.000	6.200	0.000	0.150	0.000	3.720	-
ii		2.000	1.550	0.000	0.150	0.000	0.465	-
iii		6.000	5.600	0.000	0.150	0.000	5.040	-
Total Quantity					9.225 Sqm (Sqm)		9.225 Sqm (Square Meter)	
Amount					9.225 X 499.15267251462		4604.68	

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	36.000	0.250	0.000	2.850	0.000	25.650	-
ii	Beam	4.000	6.200	0.000	0.150	0.000	3.720	-
iii		2.000	1.550	0.000	0.150	0.000	0.465	-
iv		2.000	3.250	0.000	0.150	0.000	0.975	-
v		6.000	5.250	0.000	0.150	0.000	4.725	-
Total Quantity					35.535 Sqm (Sqm)		35.535 Sqm (Square Meter)	
Amount					35.535 X 1047.3822930467		37218.73	

10. 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	6.500	6.400	0.000	0.000	41.600	-

ii		2.000	6.500	0.125	0.000	0.000	1.625	-	
iii		2.000	6.400	0.125	0.000	0.000	1.600	-	
iv	chajja	1.000	11.000	0.600	0.000	0.000	6.600	-	
v	w	3.000	1.650	0.600	0.000	0.000	2.970	-	
vi	waist slab	1.000	6.600	1.000	0.000	0.000	6.600	-	
vii	step	21.000	0.900	0.150	0.000	0.000	2.835	-	
viii	slab	1.000	1.800	1.800	0.000	0.000	3.240	-	
Total Quantity					67.07 Sqm (Sqm)		67.07 Sqm (Square Meter)		
Amount					67.07 X 662.689943368		44446.61		

11. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	MS ROD	16.670	0.000	0.000	0.000	0.000	16.670	-	
Total Quantity					16.67 Qntl (Quintal)		16.67 Qntl (Quintal)		
Amount					16.67 X 8640.6246087		144039.21		

12. Plastering (AR1004) : 12mm thick cement plaster (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	Outside	2.000	6.200	0.000	3.900	0.000	48.360	-
ii		2.000	6.100	0.000	3.900	0.000	47.580	-
iii	Chajja	2.000	11.000	0.000	0.600	0.000	13.200	-

iv		3.000	1.650	0.000	0.600	0.000	2.970	-
v	ded Door	0.500	1.200	0.000	2.100	0.000	-	1.260
vi		0.500	1.050	0.000	2.100	0.000	-	1.103
vii		0.500	0.750	0.000	2.100	0.000	-	0.788
viii	window	1.500	1.350	0.000	1.350	0.000	-	2.734
Total Quantity					106.22625 Sqm (Sqm)		106.22625 Sqm (Square Meter)	
Amount					106.22625 X 171.3068289776		18197.28	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside	2.000	2.100	0.000	3.050	0.000	12.810	-
ii		2.000	3.850	0.000	3.050	0.000	23.485	-
iii		2.000	1.500	0.000	3.050	0.000	9.150	-
iv		2.000	2.100	0.000	3.050	0.000	12.810	-
v		2.000	3.250	0.000	3.050	0.000	19.825	-
vi		2.000	5.600	0.000	3.050	0.000	34.160	-
vii	ded door	0.500	1.200	0.000	2.100	0.000	-	1.260
viii		0.500	1.000	0.000	2.100	0.000	-	1.050
ix		0.500	0.750	0.000	2.100	0.000	-	0.788
x	window	1.500	1.350	0.000	1.350	0.000	-	2.734
Total Quantity					106.40875 Sqm (Sqm)		106.40875 Sqm (Square Meter)	

Amount						106.40875 X 245.848816296	26160.47	
14. 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 room	1.000	2.100	3.850	0.000	0.000	8.085	-
ii	meeting hall	1.000	3.250	5.650	0.000	0.000	18.363	-
iii	toilet	1.000	1.500	2.100	0.000	0.000	3.150	-
iv		2.000	2.100	0.000	0.150	0.000	0.630	-
v		2.000	3.850	0.000	0.150	0.000	1.155	-
vi		2.000	3.250	0.000	0.150	0.000	0.975	-
vii		2.000	5.650	0.000	0.150	0.000	1.695	-
Total Quantity					34.0525 Sqm (Sqm)		34.0525 Sqm (Square Meter)	
Amount						34.0525 X 1525.184426001	51936.34	
15. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer								
Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty 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	qty same as 12mm plaster	149.786	0.000	0.000	0.000	0.000	149.786	-
Total Quantity					149.786 Sqm (Sqm)		149.786 Sqm (Square Meter)	
Amount						149.786 X 156.86604451751	23496.34	

16. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

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	16mm plaster	106.408	0.000	0.000	0.000	0.000	106.408	-
Total Quantity					106.408 Sqm (Sqm)		106.408 Sqm (Square Meter)	
Amount					106.408 X 94.76013415		10083.24	

17. Painting (AR0902a) : Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (inside)

Painting one coat of enamel paint with a coat of wood primer on new wood work in inner 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.(inside).

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		1.000	1.050	0.000	2.100	2.250	4.961	-
iii		1.000	0.750	0.000	2.100	2.250	3.544	-
iv	Window	3.000	1.350	0.000	1.350	2.750	15.036	-
Total Quantity					29.210625 Sqm (Sqm)		29.210625 Sqm (Square Meter)	
Amount					29.210625 X 176.65895462516		5160.32	

18. 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	30.000	75.600	-
ii		1.000	1.050	0.000	2.100	30.000	66.150	-

iii		1.000	0.750	0.000	2.100	30.000	47.250	-
iv	window	3.000	1.350	0.000	1.350	35.000	191.363	-
Total Quantity					380.3625 Kg (Kilo Gram)		3.803625 Qntl (Quintal)	
Amount					3.803625 X 15973.330001087		60756.56	

19. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet	2.000	1.500	0.000	2.100	0.000	6.300	-
ii		2.000	2.100	0.000	2.100	0.000	8.820	-
iii	Ded.door	1.000	0.750	0.000	2.100	0.000	-	1.575
Total Quantity					13.545 Sqm (Sqm)		13.545 Sqm (Square Meter)	
Amount					13.545 X 872.269926001		11814.90	

20. Masonry Brick Work (AR0603bi) : First floor

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/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	2.000	6.500	0.250	0.900	0.000	2.925	-
ii	S/W	2.000	5.600	0.250	0.900	0.000	2.520	-
Total Quantity					5.445 cum (cum)		5.445 Cum (Cubic Meter)	
Amount					5.445 X 5459.218971384		29725.45	

21. Plastering (AR1004) : First Floor

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	2.000	6.500	0.000	0.900	2.000	23.400	-
ii		2.000	5.600	0.000	0.900	2.000	20.160	-
Total Quantity					43.56 Sqm (Sqm)		43.56 Sqm (Square Meter)	
Amount					43.56 X 175.3706649776		7639.15	
Total Amount							816073.87	
Addition								
Provision for PH Work (+) @							13265.00	
Provision for EI Work (+) @							10500.00	
Provision for Contingency (+) @							8160.74	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							33925.74	
Grand Net Total Amount							849999.60	

arunima
JE
Talacher Block

subashratha
AEE
Talacher Block

SUSHANT KUMAR BARAL
BDO
Talacher Block