

MEASUREMENTS for VOC NAGAR ANGANWADI

Sl.No	Name Of Materials	L	B	D	TOT	Qty	Tot Qty	Unit
I	Sub Structure							
	Earth work Excavation	1.5	1.5	1.5	3.375	12	40.500	CUM
	Footing PCC 1:4:8 M7.5	1.15	1.15	0.1	0.132	12	1.587	CUM
	Reinforcement 10mm for footing SIZE 1 x 1. x 0.3 = 12 nos. spacing both ways 0.200 m	1.39			1.390	112	138.382	KG
	Column Reinforcement 12mm No. of Rods 12 and 6 L 40 X D	5.11			5.110	48	218.027	KG
	Column Size 0.230 X 0.230 Rings using 8 mm Dia bar spacing is 0.150 cover 0.035 MM	0.704			0.704	362	100.681	KG
	Footing RCC 1:1.5:3 M20 GRADE	1	1	0.3	0.300	12	3.600	CUM
	Column Concreate M 20	0.23	0.23	1.1	0.058	12	0.698	CUM
	Soil back filling	0.85	0.85	1.3	0.939	12	11.271	CUM
	Excavation for PCC	39.928	0.65	0.1	2.595	1	2.595	CUM
	Plinth Beam PCC	39.928	0.38	0.1	1.517	1	1.517	CUM
	Plint Beam Reinforcement Main Bar 12 MM Beam Size 0.23 X 0.300 using cover 0.35	50.828			50.828	4	180.722	KG
	Plinth Beam Reinforcement ring 8 MM beam size 0.230 X 0.300 Using Cover 0.35 and spacing 0.150 M	0.924			0.924	321	117.177	KG
	Plinth Beam Total Weight						297.899	KG
	Plinth Beam RCC M 20	45.923	0.23	0.3	3.169	1	3.169	CUM
	Column Concreate M20 GRADE	0.23	0.23	3	0.159	12	1.904	CUM
	Gravel filling INNER AREA	9.61	4.847	0.4	18.632	1	18.632	CUM
	ATT Chemical using	9.61	4.847		46.580	1	46.580	Sqmt
	Flooring PCC 1:4:8 m 7.5 grade Ramp also included	9.61	4.847	0.1	4.658	1	4.658	CUM
II	Super Structure							
	Brick Work (200x100x75mm) 1:4 outer wall	28.564	0.2	3	17.138	1	17.138	Cum
	Deduction 1) Steel Door	1.299	0.2	2.173	0.565	1	0.565	Sqmt
	2) Window 3 no	0.918	0.2	1.299	0.238	9	2.146	Sqmt
	Total				16.335	1	16.335	CUM
	Deduction Partition wall with Door & Window	8.945			8.945	1	8.945	Sqmt
	Plastering - a) Outer	32.408		3.6	116.669	1	116.669	Sqmt
		1.219		2.133	2.600	1	2.600	Sqmt
		0.914		1.219	1.114	9	10.027	Sqmt
	Total Outer Plastering						104.041	
	b) Inner Side and Partition Wall	51.678		2.95	152.450	1	152.450	Sqmt
	c) Ceiling	9.61	4.847		46.580	1	46.580	Sqmt
	Sill concrete RCC m20 ratio	36.29	0.23	0.05	0.417	1	0.417	CUM
	Sill mat Reinforcement 8 mm main bar	36.249			36.249	2	20.894	KG

Sl.No	Name Of Materials	L	B	D	TOT	Qty	Tot Qty	Unit
	Lintel Reinforcement 1.2 x 0.23 x 0.200 using main bar 10 mm lintel for Door and Window	1.15			1.15	4	2.840	KG
	Lintel Rings using 8mm Dia bar for Door and Window spacing 0.150 Distributer	0.684			0.684	8	2.162	KG
	Lintel Overall Bar Weight						5.001	KG
	Lintel concrete for window m20 grade	1.2	0.23	0.2	0.055	10	0.552	CUM
	Sunshade Reinforcement main bar 8 mm 0.100 spacing COVER 25 MM	0.63			0.63		1.493	KG
	Sunshade Reinforcement distributer 8 mm 0.100 spacing	1.15			1.15		2.726	KG
	Sunshade Rod Weight 1 No						4.219	KG
	Sunshade for Window	1.2	0.45	0.075	0.041	9	0.365	CUM
	Sunshade for Door	1.5	0.6	0.075	0.068	1	0.068	CUM
	Eaves Beam Reinforcement Main Bar 12MM Beam Size 0.230 X 0.300 TYPE 1 USING COVER 0.35	56.405			56.405	4	200.551	KG
	Eaves Beam Reinforcement Ring 8MM Beam Size 0.300 X 0.230 Type 1 Using Cover 0.35 and Spacing 0.150 M	0.924			0.924	358	130.683	KG
	Eaves Beam Rod Weight						331.234	KG
	Eaves Beam RCC 1:1:2 M25 0.230 X 0.3	47.219	0.23	0.3	3.258	1	3.258	CUM
III	Roof							
	Roof RCC Reinforcement Details Main Bar 10 MM 0.150	5.687			5.687	36	126.378	KG
	Roof RCC Reinforcement Details Main Bar 8 MM 0.150 Spacing Shutter Span	10.817			10.817	70	299.137	KG
	Roof Rod Total Weight						425.515	KG
	Over all Binding Wire						10.000	KG
	Shuttering for Roof	10.667	5.537		59.063	1	59.063	Sqmt
	Roof RCC M 20 Grade	9.61	4.847	0.15	6.987	1	6.987	CUM
	Parapet wall Brick Work	31.488	0.2	0.6	3.779	1	3.779	CUM
	Parapet wall Plastering Outer Tk-20mm	32.408		0.83	26.899	1	26.899	Sqmt
	Parapet wall Plastering Inner	30.568		0.6	18.341	1	18.341	Sqmt
	Total						45.239	Sqmt
	Compaction	10.207	5.077		51.821	1	51.821	Sqmt
	Water tank plat form	2	2	0.2	0.800	1	0.800	CUM
	Weathering Corser	10.207	5.077		51.821	1	51.821	Sqmt
	DPC Coat	10.207	5.077		51.821	1	51.821	Sqmt
IV	INNER STRUCTURE							
Iva	Hall							
	M- Sand levelling	5.486	5.106	0.05	1.401	1	1.401	
	Vitrify Tiles 600mmx600mmx8mm	5.586	5.206		29.081	1	29.081	Sqmt
Iv b	Kitchen							
	Inner Structure for kitchen work Cuddapha stone slab	4.876	0.609		2.969	1	2.969	Sqmt
	B/W using support legs for kitchen slab	0.609	0.2	0.7	0.085	6	0.512	CUM
	Plastering for Solid Block work for kitchen	1.618		0.7	1.133	6	6.796	Sqmt

Sl.No	Name Of Materials	L	B	D	TOT	Qty	Tot Qty	Unit
	Kitchen Cuddapha Slaps w-2' L-4' Thk-50 mm	1.219	0.609		0.742	4	2.969	Sqmt
	B/W kitchen Self leg portion	0.4	0.2	1.8	0.144	2	0.288	CUM
	Plastering for B/W work for kitchen	1.2		1.8	2.160	2	4.320	Sqmt
	Cuddapha Slab for Self Kitchen	0.4	0.914	1.8	0.658	4	2.632	Sqmt
	Kitchen sink Set 1No.				1	LS	1	LS
	Water Tab				1	1	1	Ls
	M- Sand levelling	3.05	2.45	0.05	0.374	1	0.374	
	Vitrify Tiles 600mmx600mmx8mm	3.2	2.6		8.320	1	8.320	Sqmt
IV c	Store Room							
	Store room B/W for Platform slab	0.609		0.306	0.186	6	1.118	Sqmt
	Store room B/W for Platform plastering	1.618		0.306	0.495	6	2.971	Sqmt
	Store room Cuddapha slab for Platform	1.219	0.609		0.742	4	2.969	Sqmt
	M- Sand levelling	3.05	2.45	0.05	0.374	1	0.374	
	Vitrify Tiles 600mmx600mmx8mm	3.2	2.6		8.320	1	8.320	Sqmt
IV d	Staff Room							
	Self B/W for Cuddapha slab	0.609	0.2	1.8	0.219	2	0.438	CUM
	B/W for self Plastering	1.618		1.8	2.912	2	5.825	Sqmt
	Cuddapha slab for Self	1.219	0.609		0.742	4	2.969	Sqmt
	M- Sand levelling	1.23	2.75	0.05	0.169	1	0.169	
	Vitrify Tiles 600mmx600mmx8mm	1.38	2.9		4.002	1	4.002	Sqmt
IV e	Toilet and Urinals							
	Earth Excavation	1	1	1	1	2	2.000	CUM
	Soak pit 2no	1	1	1	1	2	2.000	CUM
	Toilet area platform for Indian Toilet	0.914	1.219	0.45	0.501	1	0.501	CUM
	Platform for steps	1.525	1.219	0.15	0.279	2	0.558	CUM
	Soil filling for urinal	0.914	1.219	0.45	0.501	1	0.501	CUM
	Toilet urinal platform	1.5	0.23	0.15	0.052	1	0.052	Sqmt
	IWC Oriya pan				1	1	1.000	No.
	M- Sand levelling	2.438	1.219	0.05	0.149	1	0.149	CUM
	Tiles a) Floor	1.29	2.438		3.145	1	3.145	Sqmt
	b) Wall	8.55		1.4	11.970	1	11.970	Sqmt
	Hand wash Basin	LS			LS	LS	1.000	nos
	Jally	0.3		0.3	0.090	2	0.180	Sqmt
V	Pluming work							
	Water Tank 500 Litres with 0.5 HP Motor-1 No.				LS	LS	1.000	nos
	1 inch PVC pipe	130			130	1	130.000	RM
	3 inch PVC pipe	15			15	1	15.000	RM
	Water tap	4			4	1	4.000	Nos.
VI	Electrical Work							
	Ceiling Fan -2 & Kitchen Exhaust fan-1, Light-5 and Electrical wire, Switches, Wiring Pipe, Clip & Niles				LS	LS	LS	LS
VII	Door Details: a) Steel Door	1.219		2.133	2.600	1	2.600	Sqmt
	b) Door for Kitchen & Store & Toilet	0.914		2.133	1.950	4	7.798	Sqmt

Sl.No	Name Of Materials	L	B	D	TOT	Qty	Tot Qty	Unit
	c) Toilet PVC Door	0.914		3.4	3.108	1	3.108	Sqmt
	d) Steel Windows	0.914		1.219	1.114	9	10.027	Sqmt
	Steps for Brick work	1.5	0.3	0.15	0.068	3	0.203	CUM
	Steps - Plastering	1.8		0.15	0.270	3	0.810	sqmt
	Outer side Platform PCC M7.5 Grade	23.741	0.6	0.1	1.424	1	1.424	CUM
VIII	Painting inner & outer							
	1 cote White wash, 2 cote Emulsion	As Per Plastering			369.031	1	369.031	Sqmt
	Enamel Paint Door & Windows 2 side				22.089	1	22.089	Sqmt
IX	RAIN WATER HARVERSTING							
	Earthwork Excavation	0.6	0.6	0.6	0.216	1	0.216	CUM
	Rings	0.6	0.6	0.6	0.216	1	0.216	CUM
	Sand	0.3	0.3	0.3	0.027	1	0.027	CUM
	Jelly 40mm	0.3	0.3	0.3	0.027	1	0.027	CUM
X	Compound Wall							
	Earth work Excavation	16.761	0.6	0.775	7.793	1	7.793	Cum
	RR MASONARY PCC BOTTOM	16.761	0.6	0.075	0.754	1	0.754	Cum
	RR MASONARY WORK	16.761	0.45	0.6	4.525	1	4.525	Cum
	Plinth Beam PCC	16.761	0.45	0.1	0.754	1	0.754	Cum
	Plinth Beam RCC M20	16.761	0.3	0.23	1.156	1	1.156	Cum
	Colum for brick work	0.3	0.3	1.5	0.135	7	0.945	Cum
	Brick Work Wall	12.49	0.23	1.5	4.309	1	4.309	Cum
	Sill Concreate	12.49	0.23	0.075	0.215	1	0.215	Cum
	Plastering Outer	15.261		2.105	32.124	1	32.124	Sqmt
	Plastering Inner	16.701		1.875	31.314	1	31.314	Sqmt
	Main Gate Steel	1.5		1.5	2.25	1	2.25	Sqmt
	Painting 1 cote white 2 cote Emulsion	AS PER PLASTERING				1	63.438	Sqmt
	Reinforcement for Plinth Beam 10 MM Dia Bar	17.241				4	42.570	KG
	Reinforcement for Ring 8 MM Spacing 175	0.924				94	34.31348	KG
	Reinforcement for Sill Concreate Using 8 MM	15.261				2	12.058	KG

ESTIMATE for V.O.C NAGAR ANGANWADI

Sl. No.	Description Of Work	Qty	Unit	Amount	Total Amount
I	Sub Structure				
	Earthwork Mass Excavation	40.500	CUM		
	Footing PCC 1:4:8 M7.5	1.587	CUM		
	Footing RCC 1:1.5:3	3.600	CUM		
	Column Concreate	0.698	CUM		
	Soil filling for Column	11.271	CUM		
	Excavation for Plinth Beam	2.595	CUM		
	Plinth Beam PCC 1:4:8 M7.5 100 tk	1.517	CUM		
	Plinth Beam RCC M25 Grade	3.169	CUM		
	Column Concreate	1.904	CUM		
	Gravel Filling inner	18.638	CUM		
	ATT Chemical using	46.58	sqmt		
	PCC Flooring	4.658	CUM		
III	Super Structure				
	Brick Work	16.335	CUM		
	Sill concrete RCC M20 ratio	0.417	CUM		
	Plastering	303.071	sqmt		
	Lintel RCC 1:1:2 Tk-200mm	0.552	CUM		
	Sunshade Door & Windows 1:1.5:3 Tk-75mm	0.432	CUM		
	Eaves Beam RCC 1:1.5:3	3.258	CUM		
III	Roof				
	Shuttering	59.063	sqmt		
	Slab RCC 1:1.5:3 M20	6.986	CUM		
	Parapet wall BRICK WORK	3.779	CUM		
	Parapet wall Plastering Tk -20mm	45.239	sqmt		
	Compaction	51.821	sqmt		
	Water tank plat form	0.800	CUM		
	Weathering Corser	51.821	sqmt		
	DPC coat	51.821	sqmt		
	Over all Binding wire	10.00	Kgs		
IV	INNER STRUCTURE				
	Hall				
	M- Sand levelling	1.4			
	Vitrify Tiles 600mmx600mmx8mm	29.08	sqmt		
lv a	Kitchen				
	B/W using support legs for slab	0.799	CUM		
	Cuddapha stone slab w-2' L-4' Thk-50 mm	2.969	sqmt		
	Plastering for B/W	11.115	sqmt		
	Cuddapha Slaps w-1' L-4' Thk-50 mm	2.969	sqmt		
	Cuddapha Slab for Self	2.632	sqmt		
	Sink Set 1No.	1	Set		
	Water Tab	1	No		

Sl. No.	Description Of Work	Qty	Unit	Amount	Total Amount
	M- Sand levelling	0.373			
	Vitrify Tiles 600mmx600mmx8mm	8.32	sqmt		
IV b	Store Room				
	B/W for Platform slab	0.438	CUM		
	B/W for Platform plastering	5.824	sqmt		
	Cuddapha slab Tk-2"	2.969	sqmt		
	M- Sand levelling	0.374			
	Vitrify Tiles 600mmx600mmx8mm	8.32	sqmt		
IV c	Staff Room				
	Self B/W for Cuddapha slab	0.438	CUM		
	B/W for self Plastering	5.824	sqmt		
	Cuddapha slab for Self	2.969	sqmt		
	M- Sand levelling	0.169			
	Vitrify Tiles 600mmx600mmx8mm	4.002	sqmt		
IV d	Toilet and Urinals				
	Earth Excavation	2	CUM		
	Soak pit 2no	2	CUM		
	Toilet area platform for Indian Toilet	0.501	CUM		
	Platform for steps	0.558	CUM		
	Soil filling for urinal	0.501	CUM		
	Toilet urinal platform	0.052	Sqmt		
	IWC Oriya pan	1	No.		
	M- Sand levelling	0.148	CUM		
	Tiles a) Floor	3.145	Sqmt		
	b) Wall	11.970	Sqmt		
	Wash Basin	1	nos		
	Jally	0.180	Sqmt		
V	Pluming work				
	Water Tank 500 Ltrs with 0.5 HP Motor-1 No. 1 inch PVC pipe-130 RM, 3 inch PVC pipe-15 RM &Water tap- 4Nos.	LS	LS		
VI	Electrical Work				
	Ceiling Fan -2 & Kitchen Exhaust fan-1, Light-5 and Electrical wire, Switches, Wiring Pipe, Clip & Niles	LS	LS		
VII	Door Details: a) Steel Door	2.600	Sqmt		
	b) Door for Kitchen & Store & Toilet	7.798	Sqmt		
	c) Toilet PVC Door	3.108	Sqmt		
	d) Steel Windows	10.027	Sqmt		
	Steps for Brick work	0.203	CUM		
	Steps - Plastering	0.810	sqmt		
	Outer side Platform PCC M7.5 Grade	1.424	CUM		
VIII	Painting inner & outer				
	1 cote White wash, 2 cote Emulsion	369.031	Sqmt		

Sl. No.	Description Of Work	Qty	Unit	Amount	Total Amount
	Enamel Paint Door & Windows 2 side	22.089	Sqmt		
IX	RAIN WATER HARVERSTING	LS	LS		
	Total A				
5	COMPOUND WALLL				
	Earth work Excavation	7.794			
	PCC for RR Masonry	0.754			
	RR Masonry	4.525			
	Plinth Beam PCC	0.754			
	Plinth Beam RCC	1.156			
	Column for Brick work	0.945			
	Brick work wall	4.309			
	Sill concrete	0.215			
	Plastering	63.438			
	Main Gate MS	2.25	sqm		
	Painting 1 cote Whit, 2 cote Emulsion	63.438			
	Total B				
	Total A+ B				