Office of the Chief Engineer LSGD

CONSTRUCTION OF MODERN GAS CREMATORIUM -PERMANENT PITCHED & FLAT ROOF TYPE (MODEL ESTIMATE)

Detailed Estimate

(Cost Index Applied for this estimate is 50.98%)

SI No	Description	No	150	В	D	CF	Quantity	Remark
		1 APPENI	DIX A - CREI	MATORIUN	BUILDING			
1	2.8.1 Earth work in excavation trenches or drains (not ramming of bottoms, lift excavated soil as directions).	exceedin t up to 1.	g 1.5 m in w 5 m, includin	idth or 10 s	sqm on plan ut the exca), including	dressing of	f sides a
	4			Foundation				
	A - coloumn	18	1.400	1.400	1.150		40.572	
	B - All round	-r1 =	52.900	0.800	0.750	-	31.741	
	c - Longitudinal (L&R) long wall	2	2.500	0.800	0.750	y	3.000	
	D do - do - short wal	2	0.900	0.800	0.750		1.080	
	E- Cross wall (Long wall)	2	5.200	0.800	0.750		6.240	
	F - do (short wall)	2	0.800	0.800	0.750		0.961	
	G - steps	1	3.600	0.700	0.300		0.756	
				deduction				
	pillar portion	16	1.200	0.800	0.750		-11.520	
					Tota	al Quantity	84.350 cur	m
				To	otal Deducte	d Quantity	-11.520 cu	ım
					Net Tota	al Quantity	72.830 cur	m
			Say	/ 72.830 cu	m @ Rs 251	.23 / cum	Rs 182	297.08
2	4.1.8 Providing and laying in shuttering - All work up nominal size)	•		•	•	•		•
				Foundation				
	A - coloumn	18	1.400	1.400	0.200		7.056	

	B - all round wall	1	52.900	0.800	0.150	6.348	
	C - Longitudinal (L&R)	2	2.500	0.800	0.150	0.600	
	D - Longitudinal (L&R)	2	0.900	0.800	0.150	0.217	
	E - Cross wall	1	5.200	0.800	0.150	0.624	
	F - Cross wall	2	0.800	0.800	0.150	0.193	
	G - steps	1	3.600	0.700	0.100	0.252	
		D	× 90	Flooring			
	porch	1	3.150	3.200	0.075	0.756	
	varandha	1	10.350	3.750	0.075	2.911	
	hall	1	5.550	12.050	0.075	5.016	
	o f f i c E &Gas	2	1.150	1.250	0.075	0.216	
	LSG	D E	naine	deduction	Wina		
	pillar portion	16	1.200	0.800	0.150	-2.304	
) L) [Total Quantity	24.189 cum	
				To	tal Deducted Quantity	-2.304 cum	
					tai Beadelea Quariity		
					Net Total Quantity		
			Say		·		6.89
3	4.3.1 Centering and shutterin footings, bases for colu	_	•	21.885 cum	Net Total Quantity @ Rs 6761.11 / cum	21.885 cum Rs 14796	
3	Centering and shuttering	_	•	21.885 cum	Net Total Quantity @ Rs 6761.11 / cum	21.885 cum Rs 14796	
3	Centering and shutterin footings, bases for colu	mns	ng strutting,	21.885 cum propping etc	Net Total Quantity @ Rs 6761.11 / cum	21.885 cum Rs 14796 m work for:Foun	
3	Centering and shutterin footings, bases for coluction	mns 18*4	ng strutting,	21.885 cum propping etc	Net Total Quantity @ Rs 6761.11 / cum	21.885 cum Rs 14796 m work for:Foun 25.920	
3	Centering and shutterin footings, bases for coluction	mns 18*4	ng strutting,	21.885 cum propping etc 0.300 0.650	Net Total Quantity @ Rs 6761.11 / cum c. and removal of form	21.885 cum Rs 14796 m work for:Foun 25.920 33.930	
3	Centering and shutterin footings, bases for coluction	mns 18*4	ng strutting,	21.885 cum propping etc 0.300 0.650	Net Total Quantity @ Rs 6761.11 / cum c. and removal of form Total Quantity	21.885 cum Rs 14796 m work for:Foun 25.920 33.930 59.850 sqm	
3	Centering and shutterin footings, bases for coluction	mns 18*4	1.200 1.45/2	21.885 cum propping etc 0.300 0.650	Net Total Quantity @ Rs 6761.11 / cum c. and removal of fore Total Quantity tal Deducted Quantity	21.885 cum Rs 14796 m work for:Foun 25.920 33.930 59.850 sqm 0.000 sqm	dation
4	Centering and shutterin footings, bases for coluction	mns 18*4 18*4 position sishing and	1.200 1.45/2 Sagspecified grad reinforcement	21.885 cum propping etc 0.300 0.650 Tot y 59.850 sqn ade of reinfoent - All work	Net Total Quantity @ Rs 6761.11 / cum c. and removal of fore Total Quantity tal Deducted Quantity Net Total Quantity Net Total Quantity n @ Rs 292.83 / sqm orced cement concret	21.885 cum Rs 14796 m work for:Foun 25.920 33.930 59.850 sqm 0.000 sqm 59.850 sqm Rs 17525	dation
	Centering and shuttering footings, bases for column footing - do- 5.1.2 Providing and laying in centering, shuttering, finite	mns 18*4 18*4 position sishing and	1.200 1.45/2 Say	21.885 cum propping etc 0.300 0.650 Tot y 59.850 sqn ade of reinfoent - All work	Net Total Quantity @ Rs 6761.11 / cum c. and removal of form Total Quantity tal Deducted Quantity Net Total Quantity n @ Rs 292.83 / sqm orced cement concret up to plinth level:1:1:5	21.885 cum Rs 14796 m work for:Foun 25.920 33.930 59.850 sqm 0.000 sqm 59.850 sqm Rs 17525	dation

	18x1.0sqx0.45sqx0.65	18	1.2025/2		0.650		7.035	
					Tota	al Quantity	14.811 cu	m
				To	otal Deducte	d Quantity	0.000 cum	1
					Net Tota	al Quantity	14.811 cu	m
			Say	14.811 cum	n @ Rs 9383	3.94 / cum	Rs 138	3985.54
5	7.1.1 Random rubble mason concrete 1:6:12 (1 cemelevel with:Cement mortal	ent : 6 coa	arse sand : 12	graded sto	one aggrega	_		
	D. all and all	87	50,000	Foundation	1777		40.044	
	B - all round wall C - Longitudinal (L&R)	2	2.500	0.600	0.600		19.044	
	D - Longitudinal (L&R)	2	0.900	0.600	0.600	q	0.648	
	E - Cross wall	1	5.200	0.600	0.600		1.872	
	F - Cross wall	2	0.800	0.600	0.600		0.576	
	G - steps	1	3.600	0.600	0.200		0.433	
				Basement				
	B - all round wall	1	52.900	0.450	0.450		10.713	
	C - Longitudinal (L&R)	2	2.600	0.450	0.450		1.054	
	D - Longitudinal (L&R)	2	1.250	0.450	0.450		0.507	
	E - Cross wall	1	5.550	0.450	0.450		1.124	
	F - Cross wall	2	1.150	0.450	0.450		0.466	
				Deductoin				
	Pillar portion foundation	16	1.200	0.600	0.300		-3.456	
	- do -	16	1.45/2	1.45/2	0.650		-5.466	
	Column at basement	16	0.300	0.200	0.450		-0.432	
					Tota	al Quantity	38.237 cu	m
				To	otal Deducte	d Quantity	-9.354 cur	n
					Net Tota	al Quantity	28.883 cu	m
			Sav	 28.883 cum	n @ Rs 5987	7.64 / cum	Rs 172	2941.01

6	5.9.6 Centering and shutteri Abutments, Posts and		ng strutting	յ, etc. and ı	removal of	form for:C	olumns, Pil	lars, Pier		
				Pillar						
	Column at basement	16*1	1.000	0.450			7.200			
	Column above basement	16*1	1.000	3.600			57.600			
	- do -	2*1	1.000	2.100			4.200			
		100	3 60	500	Tot	al Quantity	69.000 sq	m		
	(0.000 sqm	1							
	.),	69.000 sq	m							
	3.5	Id Late	Sa	y 69.000 sqr	m @ Rs 706	6.36 / sqm	Rs 48	738.84		
	Columns at basement	16	0.300	Columns 0.200	0.450		0.432			
	excluding cost of centers 3 graded stone aggrega	_	_	_	rcement :1:	1.5:3(1 cer	ment : 1.5 cc	arse san		
	Columns at basement	16	0.300		0.450		0.432			
	Columns above basement	16	0.300	0.200	3.600		3.456			
	- do - porch	2	0.250	0.250	2.100		0.263			
					Tot	al Quantity	4.151 cum	1		
	Total Deducted Quantity 0.000 cum									
		4.151 cum	1							
	Net Total Quantity 4.151 cum Say 4.151 cum @ Rs 10788.73 / cum									
8	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position as binding all complete upto plinth levelThermo - Mechanically Treated bars									
	Reinforcement									
	binding all complete up		R	teinforcemer	IL					
	As per item No 4 - 1 4 . 8 1 1 cu.mx110kg/cu.m	1	R	teinforcemer	п	1629.21	1629.210			

	As per item No.13 & 14 - 30.345 cu.mx90kg/cm.m	1				2731.05	2731.050	
					Tota	al Quantity	4775.360	kilogram
				To	otal Deducte	d Quantity	0.000 kilo	gram
					Net Tota	al Quantity	4775.360	kilogram
		Ş	Say 4775.360	0 kilogram (@ Rs 85.45 /	/ kilogram	Rs 408	3054.51
9	50.6.1.2 Solid block masonry us size confirming to IS 2 above in: CM 1:6 (1 c	185 part I	of 1979 for	super struc	ture up to fl			
	2.	55 11	SI	uper structu	re		T	Г
	B - all round wall	1	52.900	0.200	3.600		38.088	
	C - Longitudinal (L&R)	2	2.850	0.200	3.600		4.105	
	D - Longitudinal (L&;R)	2	1.500	0.200	3.600	g	2.161	
	E - Cross wall	1	5.800	0.200	3.600	-100	4.176	
	F - cross wall	1	1.400	0.200	3.000		0.840	
	G - Step	1	3.600	0.600	3.600		7.777	
	G - steps ii nd	1	3.600	0.300	0.150		0.162	
	parapet	2	9.250	0.100	0.500		0.925	
	- do -	1	5.800	0.100	0.500		0.290	
	Gabble portion (front)	1	1/2*1.70	0.200	0.850		0.145	
	Extra heigh for pitched roof portion -all round wall	1	30.400	0.200	0.450		2.736	
				Deduction				
	pillar portion	16	0.300	0.200	3.000		-2.880	
	Rolling shutter	1	3.450	0.200	2.100		-1.449	
	Door	2	0.900	0.200	2.100		-0.756	
	Door 2	2	0.800	0.200	2.100		-0.672	
	window	5	1.500	0.200	1.500		-2.250	
	window 2	2	1.100	0.200	1.500		-0.660	
	varandha portion sides	2	4.000	0.200	1.500		-2.400	

	varandha portion front	2	3.200	0.200	1.500	-1.920
	-do-porch portion	1	3.400	0.200	2.100	-1.428
	- do -	1	3.400	0.200	2.000	-1.360
	Lintel	1	66.000	0.200	0.150	-1.980
	pillor portion	16	0.300	0.200	0.150	-0.144
			0_0		Total Quantity	61.405 cum
			MAR	То	tal Deducted Quantity	-17.899 cum
		1	- 2 ALL	153	Net Total Quantity	43.506 cum
	6	1 5	Say	43.506 cum	@ Rs 5878.27 / cum	Rs 255740.01
10	5.9.5 Centering and shuttering girders bressumers and	I4. 14		275A	oval of form for:Linte	els, beams, plinth be
		- 79	Robert S	Shuttering		
	Lintel outr	1	46.600	0.150	Wina	6.990
	- do - inner	J14 L	68.000	0.150	vvilig	10.200
	Beam	3	5.800	1.000		17.400
	varandha beam	2*2	4.000	1.000		16.000
	- do -	2	10.600	1.000		21.200
	porch -do -	2*2	3.500	1.000		14.000
	- do -	2	3.400	1.000		6.800
	Sunshade-front	2	4.200	0.600		5.040
	-do- sides	2	7.450	0.600		8.940
	sunshade - back sides	2	9.250	0.600		11.100
	-do-	1	7.400	0.600		4.440
					Total Quantity	y 122.110 sqm
				То	tal Deducted Quantity	y 0.000 sqm
					Net Total Quantity	/ 122.110 sqm
			Say	122.110 sqr	m @ Rs 517.71 / sqm	Rs 63217.57
11	5.9.3 Centering and shutteri landings, balconies an	_	•	, etc. and r	emoval of form for:	Suspended floors, ro
				shuttering		
	Roof slab (Pitched)	2	(12.2+6.6)	3.150		59.220

	_ do - (sides)	2	(5.6+0)/2	3.150			17.640	
	-do- Porch (Pitched)	2	2.740	4.500			24.661	
	- do - (Rear flat roof trolley & furnace room)	1	6.600	12.700			83.820	
	-do- office & gas store room	2	3.450	2.400			16.560	
	Toilet	2	1.600	1.700			5.440	
		-6	3 46	Deduction				
	wall thickness	1	61.600	0.200	1.1		-12.320	
	- do -	2	2.200	0.200	1.6		-0.880	
	- do -	2	1.400	0.200			-0.559	
					Tota	al Quantity	207.341 s	qm
			Von Highla II	To	tal Deducte	d Quantity	-13.759 s	qm
	LSG	3D E	naine	erinc	Net Tota	al Quantity	193.582 s	qm
			Say	193 582 sar	m @ Rs 637	7.59 / sqm	Rs 123	3425.95
12	5.9.16.1 Centering and shuttering floors and wallsUnder 2	_	ng strutting, e				of slabs an	d break
12	Centering and shuttering floors and wallsUnder 2	0 cm wic	ng strutting, e le					d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main	0 cm wic	ng strutting, e				24.400	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do-	0 cm wid	ng strutting, ede 12.200 5.600				24.400	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch	2 2 2	ng strutting, ede 12.200 5.600 4.450				24.400 11.200 8.900	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do-	0 cm wid	ng strutting, ede 12.200 5.600				24.400	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do-	0 cm wid 2 2 2 2	ng strutting, ede 12.200 5.600 4.450 2.740				24.400 11.200 8.900 5.480	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof	2 2 2 2 2 2	12.200 5.600 4.450 2.740 12.500				24.400 11.200 8.900 5.480 25.000	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -do-	2 2 2 2 2 1	12.200 5.600 4.450 2.740 12.500 6.600				24.400 11.200 8.900 5.480 25.000 6.600	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -dodo-	2 2 2 2 2 1 2 2	12.200 5.600 4.450 2.740 12.500 6.600 2.400				24.400 11.200 8.900 5.480 25.000 6.600 4.800	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -dodo- Toilets	2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12.200 5.600 4.450 2.740 12.500 6.600 2.400 (1.60+1.70				24.400 11.200 8.900 5.480 25.000 6.600 4.800	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -do- Toilets Sunshade front	2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12.200 5.600 4.450 2.740 12.500 6.600 2.400 (1.60+1.70)				24.400 11.200 8.900 5.480 25.000 6.600 4.800 6.600 8.400	d break
12	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -do- Toilets Sunshade front -do- sides	0 cm wide 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12.200 5.600 4.450 2.740 12.500 6.600 2.400 (1.60+1.70) 4.200 7.450				24.400 11.200 8.900 5.480 25.000 6.600 4.800 6.600 8.400 14.900	d break
	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -dodo- Toilets Sunshade front -do- sides Sunshade-back sides	0 cm wide 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12.200 5.600 4.450 2.740 12.500 6.600 2.400 (1.60+1.70) 4.200 7.450 9.250		noval of form		24.400 11.200 8.900 5.480 25.000 6.600 4.800 6.600 8.400 14.900 18.500	
	Centering and shuttering floors and wallsUnder 2 Pitched main -do- Porch -do- Flat roof -dodo- Toilets Sunshade front -do- sides Sunshade-back sides	0 cm wide 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12.200 5.600 4.450 2.740 12.500 6.600 2.400 (1.60+1.70) 4.200 7.450 9.250	tc. and rem	noval of form	n for:Edges	24.400 11.200 8.900 5.480 25.000 6.600 4.800 6.600 8.400 14.900 18.500 7.400	netre

			Say 142	2.180 metre	@ Rs 184.50) / metre	Rs 26	232.21
13	5.3 Reinforced cement con balconies, shelves, chaj five level excluding the 1.5 coarse sand (Zone	jas, lintels cost of cer	, bands, plai ntering, shut	n window si tering, finish	lls, staircases ing and reinf	s and spira orcement,	al stair cases	up to flo
	Lintel outer	1	45.800	0.200	0.150		1.374	
	Lintel inner	1	9.200	0.200	0.150		0.276	
	Beam	3	6.200	0.200	0.400		1.489	
	- do - varandha	2	4.000	0.200	0.400		0.641	
	- dodo -	3	3.400	0.200	0.400		0.817	
	- do - porch	2	3.450	0.200	0.400		0.552	
	- do - beam	1	3.400	0.200	0.400		0.272	
	Sunshade -front	2	4.200	0.600	0.075		0.378	
	-do- sides	2	7.450	0.600	0.075		0.671	
	sunshade - back sides	2	9.250	0.600	0.075	9	0.833	avg
	- do - rear	1	7.400	0.600	0.075		0.333	avg
	- do - (Rear flat roof)	1	6.600	12.700	0.120		10.059	
	-do- office & gas roo	2	3.450	2.400	0.120		1.988	
	- do - Toilet	2	1.600	1.700	0.120		0.653	
				Deduction				
	Lintel (pillar portion)	16	0.300	0.200	0.150		-0.144	
					Total	Quantity	20.336 cu	m
				To	tal Deducted	Quantity	-0.144 cur	n
					Net Total	Quantity	20.192 cu	m
			Say 2	0.192 cum	@ Rs 11158.0	63 / cum	Rs 225	315.06
14	5.5 Reinforced cement cond slope more than 15 up reinforcement with 1:1. nominal size)	to floor	five level ex	cluding the	cost of cen	itering, sh	uttering, fin	ishing a
			i	Pitched Roo	f			
	Roof slab (Pitched)	2	(12.2+6.6)	3.150	0.100		5.922	
	- do - sides (Pitched)	2	(5.6+0)/2	3.150	0.100		1.764	

	- do - porch (Pitched)	2	2.740	4.500	0.100		2.467	
					Tot	al Quantity	10.153 cu	ım
				To	tal Deducte	d Quantity	0.000 cun	n
					Net Tot	al Quantity	10.153 cu	ım
			Say 1	0.153 cum	@ Rs 11613	3.31 / cum	Rs 11	7909.94
15	50.2.25.1 Filling with contractor's on not exceeding 20 cm in 50 m and lift up to 1.5 n	depth, co	nsolidating e	ach deposi	ted layer by			•
	6	1 3	ba	asement filli	ng	T.		
	varendha	1	10.350	3.750	0.450		17.466	
	hall	1	5.550	12.050	0.450		30.095	
	O f f i c e & Gas	2	1.950	2.600	0.450		4.564	
	Toilet	2	1.150	1.250	0.450	a	1.294	
			rigine	CHILIC	Tot	al Quantity	53.419 cu	ım
) I	T	To	otal Deducte	d Quantity	0.000 cun	n
			< I		Net Tot	al Quantity	53.419 cu	ım
			Sa	, 53 /10 cui	m @ Rs 469	9.93 / cum	Rs 25	103 10
				y 55.419 Cui	11 @ 110 400			103.13
16	50.9.1.1 Providing wood work in and fixed in position with dash fastener shall be p	h hold fast	doors, windo	ows, cleresto dash faste	ory windows	and other tuired dia & l	frames, wro	ught fran
16	Providing wood work in and fixed in position with	h hold fast	doors, windo	ows, cleresto dash faste	ory windows ners of requality Anjili v	and other tuired dia & l	frames, wro	ught fran
16	Providing wood work in and fixed in position with	h hold fast	doors, windo	ows, cleresto dash faste ing good qu	ory windows ners of requality Anjili v	and other tuired dia & l	frames, wro	ught fran
16	Providing wood work in and fixed in position wit dash fastener shall be pure to be provided by the provided by	h hold fast	doors, windo t lugs or with parately), us	ows, clereston dash faste ing good qu wood work	ory windows ners of requality Anjili v	and other tuired dia & l	frames, wro	ught fran
16	Providing wood work in and fixed in position with dash fastener shall be purely before the poor Size 0.90 x 2.10 mts V.F	h hold fasi paid for se 2*2	doors, windo t lugs or with parately), us 0.100	ows, clereston dash fasten ing good qu wood work 0.075	ory windows ners of requ uality Anjili v 2.100	and other tuired dia & l	frames, wrongength (hold wood)	ught fran
16	Providing wood work in and fixed in position with dash fastener shall be purely because the provided by the pr	h hold fasi paid for se 2*2 2*2	doors, windout lugs or with parately), us	ows, clereston dash faste ing good qui wood work 0.075	ory windows ners of requ uality Anjili v 2.100 0.900	and other tuired dia & l	frames, wromength (hold wood) 0.063 0.027	ught fran
16	Providing wood work in and fixed in position with dash fastener shall be provided by the provi	2*2 2*2 2*2	doors, windon tlugs or with parately), us 0.100 0.100 0.100	ws, clereston dash faste ing good que wood work 0.075 0.075	2.100	and other tuired dia & l	frames, wromength (hold wood) 0.063 0.027 0.063	ught fran
16	Providing wood work in and fixed in position with dash fastener shall be provided by the provi	2*2 2*2 2*2 2*2	doors, windout lugs or with parately), us 0.100 0.100 0.100 0.100	ows, clereston dash faste ing good que wood work 0.075 0.075 0.075	2.100 0.900 2.100 0.800	and other tuired dia & l	0.063 0.063 0.027 0.063	ught fran
16	Providing wood work in and fixed in position with dash fastener shall be provided by the provi	2*2 2*2 2*2 2*4 2*4	doors, windo t lugs or with parately), us 0.100 0.100 0.100 0.100	ows, clereston dash faste ing good que wood work 0.075 0.075 0.075 0.075	2.100 0.900 2.100 0.800 1.500	and other tuired dia & l	0.063 0.027 0.063 0.024	ught fran

					Tota	al Quantity	0.616 cum	1
				То	tal Deducte	d Quantity	0.000 cum	1
					Net Tota	al Quantity	0.616 cum	1
			Say 0	.616 cum @	Rs 103455	5.59 / cum	Rs 63	728.64
17	9.53 Providing 40x5 mm f and wooden plugs a coarse sand : 6 gra	and embeddin	gs in cemei	nt concrete	block 30x1			
		22	3 88	S. Car			22.000	
		117	10	M	Tota	al Quantity	22.000 ea	ch
		15-41	THE .	То	tal Deducte	d Quantity	0.000 eac	h
		01.4	(all		Net Tota	al Quantity	22.000 ea	ch
			Say	22.000 each	n @ Rs 179	.06 / each	Rs 39	39.32
	Providing and fixing round bars etc. incluwelding							•
	Window	5*14	1.500			0.89	93.450	
	- do -	2*14	1.100			0.89	27.413	
					Tota	al Quantity	120.863 k	g
				То	tal Deducte	d Quantity	0.000 kg	
					Net Tota	al Quantity	120.863 k	g
			5	Sav 120.863	kg @ Rs 1	58 00 / ka	Rs 19	
40	50.9.2.1 Providing and fixing paneled and glazed shutters for doors, windows and clere thick shutters including ISI marked M.S. pressed butt hinges bright finished necessary screws, excluding panelling which will be paid for separately, all com Engineerin - charge.using Anjili/ Jack wood						113 13	096.35
19	Providing and fixing thick shutters include necessary screws, e	ding ISI mark xcluding pane	ted M.S. problems	tters for doc	ors, window hinges brig	s and clere	estory windo	ws, 35 m d size w
19	Providing and fixing thick shutters include necessary screws, e	ding ISI mark xcluding pane	ted M.S. problems	tters for doc	ors, window hinges brig	s and clere	estory windo	ws, 35 m d size wi
19	Providing and fixing thick shutters incluencessary screws, e Engineerin - charge.	ding ISI mark excluding pane using Anjili/ Ja	ed M.S. problems which wack wood	tters for doc essed butt will be paid	ors, window hinges brig	s and clere	estory windo d of require plete as per	ws, 35 m d size w
19	Providing and fixing thick shutters incluencessary screws, e Engineerin - charge. Door shutter	ding ISI mark excluding pane using Anjili/ Ja	ed M.S. programmer with the second of the se	tters for doc essed butt will be paid 1.960	ors, window hinges brig	s and clere	estory windo d of require olete as per 3.019	ws, 35 m d size w
19	Providing and fixing thick shutters incluencessary screws, e Engineerin - charge. Door shutter -do -	ding ISI mark excluding pane using Anjili/ Ja 2 2	ed M.S. programmer with the control of the control	tters for doc essed butt will be paid 1.960	ors, window hinges brig	s and clere	estory windo d of require plete as per 3.019 2.588	ws, 35 m d size w
19	Providing and fixing thick shutters incluencessary screws, e Engineerin - charge. Door shutter -do - window shutter	ding ISI mark excluding pane using Anjili/ Ja 2 2 5*3	ed M.S. probling which wack wood 0.770 0.660 0.450	tters for doc essed butt will be paid 1.960 1.350	ors, window hinges brig for separate	s and clere	story windo d of require olete as per 3.019 2.588 9.113	ws, 35 m d size w direction
19	Providing and fixing thick shutters incluencessary screws, e Engineerin - charge. Door shutter -do - window shutter	ding ISI mark excluding pane using Anjili/ Ja 2 2 5*3	ed M.S. probling which wack wood 0.770 0.660 0.450	tters for doc essed butt will be paid 1.960 1.350 1.350	ors, window hinges brig for separate	rs and clere ght finished ely, all comp	story windo d of require olete as per 3.019 2.588 9.113 2.430	ws, 35 m d size wi direction
	Providing and fixing thick shutters incluencessary screws, e Engineerin - charge. Door shutter -do - window shutter	ding ISI mark excluding pane using Anjili/ Ja 2 2 5*3	ed M.S. probling which wack wood 0.770 0.660 0.450	tters for doc essed butt will be paid 1.960 1.350 1.350	ors, window hinges brig for separate Tota tal Deducte	rs and clere ght finished ely, all comp	3.019 2.588 9.113 2.430 17.150 sq	ws, 35 m d size wi direction

	50.9.15.1 Supplying and fi	xing 200 mm Aluminium	aldrop	
	Doors	4		4.000
			Total Qua	ntity 4.000 no
			Total Deducted Qua	ntity 0.000 no
			Net Total Qua	ntity 4.000 no
		//	Say 4.000 no @ Rs 171.49	no Rs 685.96
21	50.9.15.5 Providing and fix	king iron hooks and eyes	s: 100 mm	
		LITE	Windows	
	W1	5*3*2		30.000
	W2	2*2*2		8.000
			Total Qua	ntity 38.000 no
			Total Deducted Qua	ntity 0.000 no
		LSGD Eng	Net Total Qua	ntity 38.000 no
			Say 38.000 no @ Rs 12.38	no Rs 470.44
	etc. complete:25 Doors	2*4		8.000
			Total Qua	ntity 8.000 no
			Total Deducted Qua	ntity 0.000 no
			Net Total Qua	ntity 8.000 no
			Say 8.000 no @ Rs 96.63	no Rs 773.04
23	J	68) transparent or dy	, ISI marked, anodised (anodic coatined to required colour or shade, v	•
23	Providing and fix as per IS: 180	68) transparent or dy	•	•
23	Providing and fix as per IS: 186 complete:125 i	68) transparent or dyo	•	4.000
23	Providing and fix as per IS: 186 complete:125 i	68) transparent or dyo	ed to required colour or shade, v	4.000 antity 4.000 no
23	Providing and fix as per IS: 186 complete:125 i	68) transparent or dyo	ed to required colour or shade, v	4.000 httity 4.000 no httity 0.000 no
23	Providing and fix as per IS: 186 complete:125 i	68) transparent or dyo	ed to required colour or shade, v Total Qua Total Deducted Qua	4.000 Attity 4.000 no Attity 0.000 no Attity 4.000 no

	and pull operation com springs manufactured f and M.S. top cover of r top cover	rom high	tensile steel v	vire of ade		ning to IS: 4454 - p
	Rolling shutter	1	3.600	2.100		7.561
			00		Total Quantity	7.561 sqm
			1932	To	otal Deducted Quantity	0.000 sqm
			· 2 W.	15/20	Net Total Quantity	7.561 sqm
	1	1 45	Say	7.561 sqm	n @ Rs 3496.85 / sqm	Rs 26439.68
25	13.17 6 mm cement plaster 1 coat of Lime wash on to	op of wall	s when dry for	bearing of	J100 that 20 June 1	ms.
	Beam (hall)	3	5.800	0.800		13.920
	- do - (varandha)	2	4.000	1.000	VAT:	8.000
	- do -	314 E	10.600	1.000	vving	10.600
	- do - (porch)	2	3.450	1.000		6.900
	_ do -	11	3.400	1.000		3.400
	pillor	16	0.400	3.600		23.041
	pillor	2	0.800	2.100		3.361
	Lintel	2	66.000	0.150		19.800
	Open verandah (Pitched roof)	2	(12.2+6.6) /2	3.150		59.220
	- do - (sides)	2	(5.6+0)/2	3.150		17.640
	- do - office ∧ gas	2	2.600	3.250		16.901
	Toilet - do -	2	1.600	1.700		5.440
	sunshade - do -	1	49.200	1.275		62.730
	porch - do -	2	2.740	4.500		24.661
	- do - flat roof (trolley & furnace area)	1	6.600	12.500		82.500
	Slab edges Pitched roof	1	41.580		0.100	4.158
	slab edges -flat roof	1	43.000		0.125	5.375

	- do do -	1	10.600	0.200			-2.120	
	-do-	2	5.550	0.200			-2.220	
					Tota	I Quantity	367.647 s	qm
				To	otal Deducted	d Quantity	-13.700 so	ηm
					Net Tota	I Quantity	353.947 s	qm
			Say	353.947 sq	m @ Rs 291	.24 / sqm	Rs 103	3083.52
26	13.1.1 12 mm cement plaster of	of mix:1:4 (1 cement : 4	fine sand)	-			
	7	10	7 98	plastering	13			
	outer	K 1/1	46.800	3.450	21		161.460	
	office & Gas (inner)	2	10.100	3.450	LOL		69.690	
	Trolley and furnace area	影	36.200	3.450			124.891	
	Verandah cross wall	1	10.600	3.450	Z2:2022		36.570	
	Toilet	2	5.800	3.450	l VV in	g .	40.020	
	half wall (front)	2	4.000	2.000			16.000	
	- do -	2	3.400	2.000			13.600	
	parapet - outer	2	9.350	1.200			22.440	
	- do - inner	1	5.800	1.200			6.960	
	step	2	3.600	0.450			3.240	
	Gabble portion	2*1/2	1.700	0.850			1.445	
	Extra height for pitched roof -outer	1	30.800	0.450			13.861	
	-do- inner all around	1	29.600	0.450			13.320	
				deduction	,			ı
	Rolling shutter	1	3.400	2.100			-7.140	
	Door	2	0.900	2.100			-3.780	
	- do -	2	0.800	2.100			-3.360	
	window	5	1.500	1.500			-11.250	
	dadoing walls (toilet)	2	5.800	1.500			-17.400	
					Tota	I Quantity	523.497 s	qm
				To	otal Deducted	d Quantity	-42.930 so	mp
					Net Tota	I Quantity	480.567 s	qm
			Sav	480.567 sq	m @ Rs 261	.12 / sqm	Rs 125	5485.66

27	12.20 Providing and laying		, ,		•			
	size) on roofs jointed proofing compound, I finished neat complet	aid over a b		•				•
				Roof tiles				
	Roof slab (kura)	2	(12.2+6.6) /2	3.150			59.220	
	_ do - (sides)	2	(5.8+0)/2	3.150			18.270	
	porch	2	2.740	4.500	1		24.661	
		1 1	MA	1/2/1	Tota	al Quantity	102.151 s	qm
	- 2	5	JA Se	To	otal Deducte	d Quantity	0.000 sqn	า
	d	社会主		2756	Net Tota	al Quantity	102.151 s	qm
		-71	Say	102.151 sq	m @ Rs 661	.97 / sqm	Rs 67	620.90
	pointing the joints wit	2	5.800	Wall tiles			17.400	
					Tota	al Quantity	17.400 sq	m
				To	otal Deducte	d Quantity	0.000 sqn	า
					Net Tota	al Quantity	17.400 sq	m
			Say	17.400 sqm	n @ Rs 1039).27 / sqm	Rs 18	083.30
29	11.38 Providing and laying manufacturer), of lst white, Ivory, Grey, FCoarse sand), include	quality confo	orming to IS : Brown, laid or	15622, of n 20 mm tl	approved m	ake, in all c cement mo	colours, sha rtar 1:4 (1	des, exc cement
				Flooring				
	Toilet floor	2	1.400	1.500			4.200	
	porch - do -	1	3.800	3.850			14.630	
					Tota	al Quantity	18.830 sq	m
				To	otal Deducte	d Quantity	0.000 sqn	า
					NI-CT-C		40.000	
					Net Lota	al Quantity	18.830 sq	m

	11.39 Providing and laying reconspecified by the manufold White, Ivory, Grey, fume including grouting the jo	acturer), e Red Bro	of 1st quality wn, laid on 2	conforming	g to IS: 156 cement mor	622, of app tar 1:4 (1 ce	roved make ement : 4 Co	in colou
				Flooring	313	, ,		
	varandha	1	10.800	4.200			45.361	
	- do - top	2	4.600	0.200			1.840	
	Hall	16	6.000	12.500			75.000	
	O f f i c e & Gas	2	2.400	3.050	11		14.640	
	step (side)	2	0.600	0.150	500		0.180	
	step - do-	2	0.300	0.150			0.090	
	step	1	3.600	1.050			3.781	
	100		1000	Acres .	Tota	al Quantity	140.892 s	qm
	L26	ם ענ	ingine	To	otal Deducte	d Quantity	0.000 sqm	1
		N F	\ T		Net Tota	al Quantity	140.892 s	qm
		2	Say 1	40.892 sqm	ı @ Rs 1241	.74 / sqm	Rs 174	1951.23
31	13.43.1 Applying one coat of v		nnable ceme	-				
31	Applying one coat of v		nnable ceme	-				
31	Applying one coat of v surface:Water thinnable	le cemen	nnable ceme	-		brand and	d manufactu	
31	Applying one coat of v surface:Water thinnabl As per item No.25	le cemen	nnable ceme	-	of approved	brand and 353.95	353.947	ure on w
31	Applying one coat of v surface:Water thinnabl As per item No.25	le cemen	nnable ceme	nt primer c	of approved	353.95 480.57 al Quantity	353.947 480.570	ure on w
31	Applying one coat of v surface:Water thinnabl As per item No.25	le cemen	nnable ceme	nt primer c	of approved Total	353.95 480.57 al Quantity	353.947 480.570 834.517 s	ure on w
31	Applying one coat of v surface:Water thinnabl As per item No.25	le cemen	nnable ceme	nt primer o	of approved Total	353.95 480.57 al Quantity d Quantity al Quantity	353.947 480.570 834.517 s 0.000 sqm	ure on w
31	Applying one coat of v surface:Water thinnabl As per item No.25	te cemen	nnable ceme	nt primer o	Tota tal Deducte Net Tota qm @ Rs 55	353.95 480.57 al Quantity d Quantity al Quantity 5.79 / sqm	353.947 480.570 834.517 s 0.000 sqm 834.517 s Rs 46	qm qm 557.70
	Applying one coat of v surface:Water thinnabl As per item No.25 As per item No.26 13.60.1 Wall painting with acrylic	te cemen	nnable ceme	nt primer o	Tota tal Deducte Net Tota qm @ Rs 55	353.95 480.57 al Quantity d Quantity al Quantity 5.79 / sqm	353.947 480.570 834.517 s 0.000 sqm 834.517 s Rs 46	qm qm 557.70
	Applying one coat of visurface:Water thinnable As per item No.25 As per item No.26 13.60.1 Wall painting with acrylic or more coats on new with acrylic or more coats or new with acrylic or new with acrylic or more coats or new with acrylic	te cemen 1 1 c emulsio	nnable ceme	nt primer o	Tota tal Deducte Net Tota qm @ Rs 55	353.95 480.57 al Quantity d Quantity al Quantity 7.79 / sqm	353.947 480.570 834.517 s 0.000 sqm 834.517 s Rs 46	qm qm 557.70
	Applying one coat of visurface:Water thinnable As per item No.25 As per item No.26 13.60.1 Wall painting with acrylic or more coats on new with As per item No.25	te cemen 1 1 c emulsio	nnable ceme	nt primer o	Total Deducte Net Total qm @ Rs 55	353.95 480.57 al Quantity d Quantity al Quantity 7.79 / sqm facture to g	353.947 480.570 834.517 s 0.000 sqm 834.517 s Rs 46 ive an even	qm qm 557.70
	Applying one coat of visurface:Water thinnable As per item No.25 As per item No.26 13.60.1 Wall painting with acrylic or more coats on new with As per item No.25	te cemen 1 1 c emulsio	nnable ceme	To y 834.517 so	Total Deducte Net Total qm @ Rs 55	353.95 480.57 al Quantity al Quantity 5.79 / sqm facture to g 353.95 480.57	353.947 480.570 834.517 s 0.000 sqm 834.517 s Rs 46 ive an even 353.947 480.570	qm 557.70 shade:T
	Applying one coat of visurface:Water thinnable As per item No.25 As per item No.26 13.60.1 Wall painting with acrylic or more coats on new with As per item No.25	te cemen 1 1 c emulsio	nnable ceme	To y 834.517 so	Total Deducte Net Total qm @ Rs 55 d and manu Total Total	353.95 480.57 al Quantity al Quantity 5.79 / sqm facture to g 353.95 480.57	353.947 480.570 834.517 s 0.000 sqm 834.517 s Rs 46 ive an even 353.947 480.570 834.517 s	qm shade:T

33	13.46.1 Finishing walls with A @ 1.67 ltr/10 sqm ove	•	•	•		,		
			C	Over roof tile	е			
	Roof slab (kura)	2	(12.2+6.6)	3.150			59.220	
	_ do - (sides)	2	(5.8+0)/2	3.150			18.270	
	porch	2	2.740	4.500			24.661	
		10	3 40	500	Tota	al Quantity	102.151 s	sqm
			MA	To	otal Deducte	d Quantity	0.000 sqr	n
	.)	AT			Net Tota	al Quantity	102.151 s	sqm
	3.		Say	102.151 sq	m @ Rs 145	5.02 / sqm	Rs 14	1813.94
	approved brand and Door - do - window	2 2 5	0.900 0.800 1.500	2.100 2.100 1.500	2.250 2.250 1.500		8.505 7.561 16.875	
	- do -	2	1.100	1.500	1.500		4.950	
					Tota	al Quantity	37.891 sc	mp
				To	otal Deducte	d Quantity	0.000 sqr	n
					Net Tota	al Quantity	37.891 sc	mp
35	13.48.3 Finishing with Delux manufacturers specification or more coat appaperoved brand and specifications.	cations:Pair olied @ 0.90	face paint s iting Steel wo) ltr/10 sqm o	ystem for	uxe Multi Sı	nd exterior urface Paint	s using pri	even sha
	Rolling shutter	2	3.600	2.100			15.121	
	- do - (Top)	1	3.600	0.600			2.160	
					Tota	al Quantity	17.281 sc	mp
				To	otal Deducte	d Quantity	0.000 sqr	n
					Net Tota	al Quantity	17.281 sc	m
			Sou	[,] 17.281 sq	— —		Bo 2	211.28

	17.2.1 Providing and fixing vand lid, 10 litre low levice (handle lever), making good the wall and lid	evel white P conforming t	.V.C. flushii to IS : 7231,	ng cistern, i with all fittin	ncluding flu	ish pipe, wi	th manually e, including	controlle
	W.c pan	2					2.000	
			(Getal)	Λ.	Tota	al Quantity	2.000 eac	h
		2		То	tal Deducte	d Quantity	0.000 eac	h
		1	2 9R	SU	Net Tota	al Quantity	2.000 eac	h
			Say	2.000 each	@ Rs 5161.	55 / each	Rs 10	323.10
	Providing and placing with cover and suitab pipes but without fitting Storage water tank	ole locking ar	rangement	and making		•		
	No. or 1000Litter1	GD E	ngine	ering	Win	1000.0	1000.000	
	9	\cap \vdash) T	-		al Quantity	1000.000	
		\sim \sim	\leftarrow	То	tal Deducte	d Quantity	0.000 Litre)
	li li				Net Tota	al Quantity	1000.000	Litre
			Say	1000.000 Li	tre @ Rs 10	.95 / Litre	Rs 10	950.00
38	50.18.7.2.2 Providing and fixing includes jointing of pi	pes & fittings	-			-	-	acing. Th
	per direction of Engir	eer -in-Char	ge 20 mm d	lia 10 Kgf/cr				
	per direction of Engli	eer -in-Char 2	ge 20 mm d 6.000	lia 10 Kgf/cr				
	per direction of Engli		l	lia 10 Kgf/cr			osed on wa	
	per direction of Engli	2	6.000	lia 10 Kgf/cr			12.000	
	per direction of Engli	2 2	6.000 8.000	lia 10 Kgf/cr	m2- Internal		12.000 16.000	II
	per direction of Engli	2 2	6.000 8.000		m2- Internal	work - Exp	12.000 16.000 14.000	etre
	per direction of Engli	2 2	6.000 8.000		m2- Internal Tota	work - Exp	12.000 16.000 14.000 42.000 me	etre re
	per direction of Engli	2 2	6.000 8.000 7.000		Tota tal Deducte Net Tota	work - Exp al Quantity d Quantity al Quantity	12.000 16.000 14.000 42.000 met 42.000 met	etre re
39	50.18.7.5.2 Providing and fixing includes jointing of piper direction of Engir	2 2 2 PVC pipes, 1 pes & fittings	6.000 8.000 7.000 Say 4:	Z.000 metre	Total Deducte Net Total @ Rs 188.6 the pipe with vent cement	work - Exp al Quantity d Quantity al Quantity 68 / metre h clamps a t and testin	12.000 16.000 14.000 42.000 met 42.000 met 42.000 met 42.000 me	etre re etre 24.56 acing. Th

		2	8.000				16.000	
					Tot	al Quantity	32.000 m	etre
				To	tal Deducte	ed Quantity	0.000 met	re
					Net Tot	al Quantity	32.000 m	etre
			Say 3	2.000 metre	@ Rs 288.	06 / metre	Rs 92	217.92
40	51.19.ST1 Supplying and installing the level below groun CC/RCC/Sand/06mm 1. Below 15 flush capac	d level as aggregate	specified a	s per the d	irection of	engineer in	charge (P	
	Septick tank	£141	NEW /	KAY	21		1.000	
	1/2	51 1		554	Tot	al Quantity	1.000 eac	h
	4			To	tal Deducte	ed Quantity	0.000 eac	h
		200	Series .	212-227 anth	Net Tot	al Quantity	1.000 eac	h
	1.5/	CD E	Say 1	1.000 each @	® Rs 17116	5.00 / each	Rs 17	116.00
	Providing and fixing Providing & testing of join		te as per di		ngineer in	•		
	(A) 110mm dia pvc pipe 4kg/sq.cm	4	4.000				16.000	
					Tot	al Quantity	16.000 m	etre
				To	tal Deducte	ed Quantity	0.000 met	re
					Net Tot	al Quantity	16.000 m	etre
			Say 1	6.000 metre	@ Rs 404.	77 / metre	Rs 64	176.32
42	50.18.9.22.3 Providing and fixing PV solvent cement-110 mr		•	cessories fo	r Rigid PV(C pipes, incl	uding jointin	g with P\
	(B) 110mm pvc door elbow	4					4.000	
					Tot	al Quantity	4.000 no	
				To	tal Deducte	ed Quantity	0.000 no	
					Net Tot	al Quantity	4.000 no	
				Say 4.000	no @ Rs 1	30.45 / no	Rs 5	21.80
43	50.18.9.22.4 Providing and fixing P\	/C moulded	I fittings/ ac	cessories fo	r Rigid PV(C pipes, incl	uding jointin	g with P\

	solvent cement- 110 mm	i dia Bend					I	
	(C) 110 mm PVC plain bend	4					4.000	
					Tota	l Quantity	4.000 no	
				To	tal Deducte	d Quantity	0.000 no	
					Net Tota	l Quantity	4.000 no	
			/(dtg)	Say 4.000	no @ Rs 15	59.51 / no	Rs 6	38.04
44	50.18.9.22.8 Providing and fixing PV0 solvent cement -110 mm			ccessories fo	r Rigid PVC	pipes, incl	uding jointin	g with P
	(D) 110mm pvc vent cowl	4			The		4.000	
	-40		200	5.68	Tota	l Quantity	4.000 no	
			Victoria.	To	tal Deducte	d Quantity	0.000 no	
	1.50	DE	nain	eerine	Net Tota	l Quantity	4.000 no	
			19111	Say 4.000	no @ Rs 12	22.29 / no	Rs 4	89.16
	(E) 440 E	4						
	(E) 110mmpvc Lee						4.000	
	(E) 110mmpvc Tee				Tota	al Quantity	4.000 no	
	(E) 110mmpvc Tee		1	To	Tota			
	(E) 110mmpvc Tee	-		To	tal Deducte		4.000 no	
	(E) 110mmpvc Tee	7			tal Deducte	d Quantity	4.000 no 0.000 no 4.000 no	92.52
46	50.18.7.4.1 Providing and fixing PV includes jointing of pipe per direction of Enginee	/C pipes, t	s with one	Say 4.000 uding fixing f step PVC sol	Net Tota no @ Rs 17 the pipe wit	d Quantity al Quantity 73.13 / no h clamps a t and testin	4.000 no 0.000 no 4.000 no Rs 6	acing. T
46	50.18.7.4.1 Providing and fixing PV includes jointing of pipe	/C pipes, t	s with one	Say 4.000 uding fixing f step PVC sol	Net Tota no @ Rs 17 the pipe wit	d Quantity al Quantity 73.13 / no h clamps a t and testin	4.000 no 0.000 no 4.000 no Rs 6	acing. T
46	50.18.7.4.1 Providing and fixing PV includes jointing of pipe per direction of Enginee (F) 32mm pvc pipe	/C pipes, t s & fittings er-in-Charg	s with one	Say 4.000 uding fixing f step PVC sol	Net Tota Net Tota no @ Rs 17 the pipe wit vent cemen 2- Internal v	d Quantity al Quantity 73.13 / no h clamps a t and testin	4.000 no 0.000 no 4.000 no Rs 6 t 1.00 m sp g of joints of sed on wall	acing. T
46	50.18.7.4.1 Providing and fixing PV includes jointing of pipe per direction of Enginee (F) 32mm pvc pipe	/C pipes, t s & fittings er-in-Charg	s with one	Say 4.000 uding fixing the step PVC solution of the step in the s	Net Tota Net Tota no @ Rs 17 the pipe wit vent cemen 2- Internal v	d Quantity d Quantity 73.13 / no h clamps a t and testin york - Expo	4.000 no 0.000 no 4.000 no Rs 6 t 1.00 m sp g of joints o sed on wall	acing. Tomplete
46	50.18.7.4.1 Providing and fixing PV includes jointing of pipe per direction of Enginee (F) 32mm pvc pipe	/C pipes, t s & fittings er-in-Charg	s with one	Say 4.000 uding fixing the step PVC solution of the step in the s	Net Tota Net Tota no @ Rs 17 the pipe wit vent cemen 2- Internal v Tota stal Deducted	d Quantity d Quantity 73.13 / no h clamps a t and testin york - Expo	4.000 no 0.000 no 4.000 no Rs 6 t 1.00 m sp g of joints c sed on wall 15.000	acing. Tomplete
46	50.18.7.4.1 Providing and fixing PV includes jointing of pipe per direction of Enginee (F) 32mm pvc pipe	/C pipes, t s & fittings er-in-Charg	s with one s	Say 4.000 uding fixing the step PVC solution of the step in the s	Net Tota Net Tota no @ Rs 17 the pipe wit vent cemen 2- Internal v Tota stal Deducted Net Tota	d Quantity Il Quantity 73.13 / no h clamps a t and testin vork - Expo	4.000 no 0.000 no 4.000 no 4.000 no Rs 6 t 1.00 m sp g of joints c sed on wall 15.000 me 0.000 me 15.000 me	acing. Tomplete

50	Supplying and fixing complete as per the (I) soap dish 50.17.1.4 Supplying and fixing and fixing complete as per the complet	2	of site Engineer-i	Total Deductor Net Total 2.000 no @ Rs	cal Quantity ed Quantity cal Quantity 66.93 / no	2.000 no 2.000 no 0.000 no 2.000 no Rs 1	33.86
50	complete as per th	ne direction o	of site Engineer-i	Total Deduct	al Quantity ed Quantity al Quantity	2.000 no 2.000 no 0.000 no 2.000 no	
50	complete as per th	ne direction o		n-charge. To	al Quantity	2.000 2.000 no 0.000 no	harge
50	complete as per th	ne direction o		n-charge.	al Quantity	2.000 2.000 no	harges
50	complete as per th	ne direction o		n-charge.		2.000	harges
50	complete as per th	ne direction o		· ·	materials a		harges
50	,	•		· ·	materials a	nd labour d	harges
	50.17.1.1	na Stainlaga	steel soan dish i				
			Sa	ay 2.000 no @ Rs			74.68
					tal Quantity	2.000 no	
				Total Deduct		0.000 no	
	(n) rowerroa			To	al Quantity	2.000 no	
49	50.17.1.2 Supplying and fixin labour charges etc (H)Towel rod					2.000	aterials
		SGD E	Say 2.0	00 each @ Rs 392	2.70 / each	Rs 7	85.40
	100	con r	MINI MAG	Net To	al Quantity	2.000 eac	h
			Common Party	Total Deduct	ed Quantity	0.000 eac	h
				To	al Quantity	2.000 eac	h
		2	DELLA	IL TOP		2.000	
48	18.15.1 Providing and fixing	brass bib coo	k of approved qua	lity:15 mm nomin	al bore		
		-6	Say 25.000	metre @ Rs 212	73 / metre	Rs 5	318.25
			/689/\	Net To	al Quantity	25.000 m	etre
			co. (c)	Total Deduct	ed Quantity	0.000 me	re
				То	al Quantity	25.000 m	etre
	- do -	1	15.000			15.000	
	PVC pipe	1	10.000			10.000	

					Tota	al Quantity	2.000 no	
				To	tal Deducte	d Quantity	0.000 no	
					Net Tota	al Quantity	2.000 no	
				Say 2.000	no @ Rs 7	58.03 / no	Rs 15	516.06
						Service	e Tax Amou	nt Rs 0.
					Total v	with Servic	e Tax Rs 2	2762230.4
SI No	Description	No	1/2/50	В	D	CF	Quantity	Remark
		2 APP	PENDIX B - V	VATCHMAN	SHED			
1	2.8.1 Earth work in excavation trenches or drains (not ramming of bottoms, line excavated soil as directions).	exceeding	g 1.5 m in w 5 m, includin	idth or 10 s	eqm on planut the exca	ı), including	dressing o	f sides an
		79	Charles o	Foundation				
	A - All round	1	15.600	0.800	0.750		9.360	
	B- Cross wall	914 E	0.600	0.800	0.750	g	0.360	
	C - Septic Tank (block)	D1 [2.900	1.900	2.000		11.020	
			/ T		Tota	al Quantity	20.740 cu	m
				To	tal Deducte	d Quantity	0.000 cum	1
					Net Tota	al Quantity	20.740 cu	
					1101 1010		20.740 00	m
			Say	/ 20.740 cur	n @ Rs 251			m 2 10.51
2	4.1.8 Providing and laying in shuttering - All work up nominal size)	•	ement concre level:1:4:8 (ete of speci	n @ Rs 251 fied grade e	.23 / cum	Rs 52	210.51 ntering ar
2	Providing and laying in shuttering - All work up	•	ement concre level:1:4:8 (ete of speci	n @ Rs 251 fied grade e	.23 / cum	Rs 52	210.51 ntering ar
2	Providing and laying in shuttering - All work up nominal size)	to plinth	ement concre level:1:4:8 (1	ete of speci I cement : 4 Foundation	m @ Rs 251 fied grade e 4 coarse sa	.23 / cum	Rs 52 e cost of ce ed stone ag	210.51 ntering ar
2	Providing and laying in shuttering - All work up nominal size) A - All round	to plinth	ement concrete level:1:4:8 (1	ete of speci I cement : 4 Foundation 0.800	m @ Rs 251 fied grade e 4 coarse sa 0.150	.23 / cum	e cost of ce ed stone ag	210.51 ntering ar
2	Providing and laying in shuttering - All work up nominal size) A - All round B- Cross wall C - Septic Tank	to plinth	ement concre level:1:4:8 (1 15.600 0.600	ete of speci I cement : 4 Foundation 0.800 0.800	m @ Rs 251 fied grade 6 footnote coarse sa 0.150 0.150	.23 / cum	e cost of ce ed stone ag	210.51 ntering ar
2	Providing and laying in shuttering - All work up nominal size) A - All round B- Cross wall C - Septic Tank (block)bottom	1 1 1	15.600 0.600 2.900	Foundation 0.800 0.800 1.900	m @ Rs 251 fied grade e 4 coarse sa 0.150 0.150 0.200	.23 / cum	1.872 0.072	210.51 ntering ar
2	Providing and laying in shuttering - All work up nominal size) A - All round B- Cross wall C - Septic Tank (block)bottom Fooring Toilet	1 1 1	15.600 0.600 2.900	Foundation 0.800 0.800 1.900 1.000	n @ Rs 251 fied grade e 4 coarse sa 0.150 0.150 0.200 0.075 0.075	.23 / cum	1.872 0.072 1.102	ntering argregate 4
2	Providing and laying in shuttering - All work up nominal size) A - All round B- Cross wall C - Septic Tank (block)bottom Fooring Toilet	1 1 1	15.600 0.600 2.900	ete of speci I cement : 4 Foundation 0.800 0.800 1.900 1.000 2.800	n @ Rs 251 fied grade e 4 coarse sa 0.150 0.150 0.200 0.075 0.075	.23 / cum excluding the nd: 8 grad	1.872 0.072 1.102 0.075 0.588	ntering ar

			Say	/ 3.709 cum	@ Rs 6761	.11 / cum	Rs 25	076.96
3	7.1.1 Random rubble masor concrete 1:6:12 (1 cemelevel with:Cement mortal)	ent : 6 coar	rse sand : 12	graded sto	•	ŭ	Ο.	
				Foundation				
	A - All round	1	15.600	0.600	0.600		5.616	
	B- Cross wall	1	0.800	0.600	0.600		0.288	
		-6	3 80	Basement				
	A. all round	117	15.600	0.400	0.400		2.497	
	B.Cross wall	15-11	1.000	0.400	0.400		0.161	
	1/3				Tota	al Quantity	8.562 cun	า
				To	otal Deducte	d Quantity	0.000 cun	า
			Von Biothy 3	rill .	Net Tota	al Quantity	8.562 cun	n
	150	GD F	Say	/ 8.562 cum	@ Rs 5987	7.64 / cum	Rs 51	266.17
4	50.2.25.1 Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in the second sec	depth, co	nsolidating e	ach deposi	ted layer by -in-charge			•
4	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in the second	n depth, coi m as per d	nsolidating e irection of si	each deposi te Engineer asement filli	ted layer by -in-charge ng		nd watering	•
4	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room	n depth, coom as per d	nsolidating eirection of si ba	each deposi te Engineer asement fillio 2.800	ted layer by t-in-charge ng 0.400		nd watering	•
4	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in the second	n depth, coi m as per d	nsolidating e irection of si	each deposi te Engineer asement filli	ted layer by t-in-charge ng 0.400 0.400	ramming a	3.136 0.400	, lead up
4	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room	n depth, coom as per d	nsolidating eirection of si ba	each deposi te Engineer asement filli 2.800 1.000	ted layer by t-in-charge ng 0.400 0.400	ramming a	3.136 0.400 3.536 cun	, lead up
4	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room	n depth, coom as per d	nsolidating eirection of si ba	each deposi te Engineer asement filli 2.800 1.000	ted layer by t-in-charge ng 0.400 Tota otal Deducte	ramming a al Quantity	3.136 0.400 3.536 cun 0.000 cun	, lead up
4	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room	n depth, coom as per d	pasolidating elirection of si ba 2.800 1.000	each deposi te Engineer asement fillio 2.800 1.000	ted layer by t-in-charge ng 0.400 Tota otal Deducte	al Quantity d Quantity al Quantity	3.136 0.400 3.536 cun 0.000 cun 3.536 cun	n
5	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room	n depth, coom as per depth, as per depth d	2.800 1.000 Sat solid block of 1979 for spanse sand)	each deposite Engineer asement fillin 2.800 1.000 To ay 3.536 cur s (Factory n super struct etc comple	ted layer by -in-charge ng 0.400 Tota tal Deducte Net Tota m @ Rs 469 nade) of size ture up to fleete.	al Quantity d Quantity al Quantity 0.93 / cum	3.136 0.400 3.536 cun 0.000 cun 3.536 cun Rs 10	n n 661.67
	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room Toilet 50.6.1.2 Solid block masonry us size confirming to IS 2 above in: CM 1:6 (1 cm)	n depth, coom as per depth, coom as per depth de	st solid block of 1979 for coarse sand)	ach deposite Engineer asement fillin 2.800 1.000 To ay 3.536 cur s (Factory n super struct etc comple uper structu	ted layer by -in-charge ng 0.400 Tota tal Deducte Net Tota m @ Rs 469 nade) of size ture up to flete. re	al Quantity d Quantity al Quantity 0.93 / cum	3.136 0.400 3.536 cun 0.000 cun 3.536 cun Rs 10	n 661.67
	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room Toilet 50.6.1.2 Solid block masonry us size confirming to IS 2 above in: CM 1:6 (1 cm A - All round)	ing pre case 185 part I tement: 6 co	st solid block of 1979 for coarse sand)	ach deposite Engineer asement filling 2.800 1.000 To ay 3.536 cur s (Factory in super structure o.200	ted layer by -in-charge ng 0.400 Tota otal Deducte Net Tota m @ Rs 469 nade) of size ture up to flete. re 3.000	al Quantity d Quantity al Quantity 0.93 / cum	3.136 0.400 3.536 cun 0.000 cun 3.536 cun Rs 10 cm or neare el thickness	n n 661.67
	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room Toilet 50.6.1.2 Solid block masonry us size confirming to IS 2 above in: CM 1:6 (1 cm A - All round B- Cross wall	n depth, coom as per depth, coom as per depth de	st solid block of 1979 for coarse sand)	ach deposite Engineer asement fillin 2.800 1.000 To ay 3.536 cur s (Factory n super struct etc comple uper structu	ted layer by -in-charge ng 0.400 Tota tal Deducte Net Tota m @ Rs 469 nade) of size ture up to flete. re	al Quantity d Quantity al Quantity 0.93 / cum	3.136 0.400 3.536 cun 0.000 cun 3.536 cun Rs 10	n 661.67
	Filling with contractor's not exceeding 20 cm in 50 m and lift up to 1.5 in Room Toilet 50.6.1.2 Solid block masonry us size confirming to IS 2 above in: CM 1:6 (1 cm A - All round)	ing pre case 185 part I tement: 6 co	st solid block of 1979 for coarse sand)	ach deposite Engineer asement filling 2.800 1.000 To ay 3.536 cur s (Factory in super structure o.200	ted layer by -in-charge ng 0.400 Tota otal Deducte Net Tota m @ Rs 469 nade) of size ture up to flete. re 3.000	al Quantity d Quantity al Quantity 0.93 / cum	3.136 0.400 3.536 cun 0.000 cun 3.536 cun Rs 10 cm or neare el thickness	n 661.67

					1			
	Door	1	0.900	0.200	2.100		-0.379	
	Door 2	1	0.800	0.200	2.100		-0.337	
	window	3	1.100	0.200	1.500		-0.991	
					Tota	al Quantity	13.601 cu	m
				To	tal Deducte	d Quantity	-1.707 cur	m
					Net Tota	al Quantity	11.894 cu	m
			Say	11.894 cum	@ Rs 5878	3.27 / cum	Rs 69	916.14
6	5.3 Reinforced cement conbalconies, shelves, chafive level excluding the 1.5 coarse sand (Zone	jjas, lintels, cost of cen	bands, plai tering, shutt	n window si tering, finish	lls, staircase ning and reir	es and spira nforcement,	al stair cases	s up to fl
	Lintel outer		18.600	0.200	0.150		0.558	
	Roof	1	3.800	3.800	0.120		1.733	
	Roof (T)	crt F	1.400	1.800	0.120	a	0.303	
	Covering slab (septic tank)	1 _	2.900	1.900	0.100	9	0.551	
		2 h			Tota	al Quantity	3.145 cum	1
			/	To	tal Deducte	d Quantity	0.000 cum	1
					Net Tota	al Quantity	3.145 cum	1
			Say	3.145 cum	@ Rs 11158	3.63 / cum	Rs 35	093.89
7	5.22.6 Steel reinforcement for binding all complete up		evelThermo	- Mechani	cally Treate		placing in p	osition a
			K	einforceme	nt 			
	Lintel - 0.558 cu.mx55kg/cu.m	0.558*55					30.690	
	Roof - 2.60 cu.mx90kg/cu.m	2.60*90					234.000	
					Total	-I O + i+	004 000 1	:1
					1018	al Quantity	264.690 k	llogram
				To	otal Deducte		0.000 kilo	
				To	tal Deducte			gram

				Shuttering		1		T
	Lintel outr	1	4.800	0.150			0.720	
	- do -	1	1.600	0.150			0.240	
	-do -	1	1.400	0.150			0.210	
	- do -	1	1.800	0.150			0.270	
	- do -	2	3.400	0.150			1.020	
	inner Room	4	3.000	0.150			1.800	
	- do -	4	1.200	0.150			0.720	
	covering sides	2	2.900	0.100	11		0.580	
	- do-	2	1.900	0.100	-31		0.380	
	42	51. 13			Tota	al Quantity	5.940 sqn	1
	1			То	tal Deducte	d Quantity	0.000 sqn	1
			Sinky 1	Edg.	Net Tota	al Quantity	5.940 sqn	า
	1.57		Sa	ay 5.940 sqr	m @ Rs 517	7.71 / sqm	Rs 30	75.20
	Centering and shutter landings, balconies ar				removal of	form for:Su	ispended flo	oors, ro
	landings, balconies ar	nd access	platform	Shuttering	emoval of	form for:Su	<u> </u>	oors, ro
	Roof slab	nd access	platform 3.800	Shuttering 3.800	emoval of	form for:Su	14.440	oors, ro
	landings, balconies ar	nd access	platform	3.800 1.800	emoval of	form for:Su	<u> </u>	pors, ro
	Roof slab	nd access	platform 3.800	Shuttering 3.800	emoval of	form for:Su	14.440	oors, ro
	Roof slab	nd access	platform 3.800	3.800 1.800	emoval of	form for:Su	14.440	pors, ro
	Roof slab	1 1	3.800 1.400	Shuttering 3.800 1.800 Deduction		form for:Su	14.440	
	Roof slab	1 1	3.800 1.400	Shuttering 3.800 1.800 Deduction 0.200		al Quantity	14.440 2.520 -3.721	m
	Roof slab	1 1	3.800 1.400	Shuttering 3.800 1.800 Deduction 0.200	Tota otal Deducte	al Quantity	14.440 2.520 -3.721 16.960 sq	m m
	Roof slab	1 1	3.800 1.400 18.600	Shuttering 3.800 1.800 Deduction 0.200	Total Deducte	al Quantity ad Quantity al Quantity	14.440 2.520 -3.721 16.960 sq -3.721 sqi 13.239 sq	m m
10	Roof slab	1 1 1 frames of th hold fast	3.800 1.400 18.600 Say	Shuttering 3.800 1.800 Deduction 0.200 To y 13.239 sqr	Total Deducte Net Total m @ Rs 637 ory windows ners of requ	al Quantity ad Quantity al Quantity 7.59 / sqm a and other fuired dia & l	14.440 2.520 -3.721 16.960 sq -3.721 sqi 13.239 sq Rs 84	m m 441.05
10	Roof slab -do- wall thickness 50.9.1.1 Providing wood work in and fixed in position with	1 1 1 frames of th hold fast	3.800 1.400 18.600 Say	Shuttering 3.800 1.800 Deduction 0.200 To y 13.239 sqr	Total Deducte Net Total m @ Rs 637 ory windows ners of requ	al Quantity ad Quantity al Quantity 7.59 / sqm a and other fuired dia & l	14.440 2.520 -3.721 16.960 sq -3.721 sqi 13.239 sq Rs 84	m m 441.05
10	Roof slab -do- wall thickness 50.9.1.1 Providing wood work in and fixed in position with	1 1 1 frames of th hold fast	3.800 1.400 18.600 Say	Shuttering 3.800 1.800 Deduction 0.200 To y 13.239 sqr ows, cleresto in dash faste ing good qu	Total Deducte Net Total m @ Rs 637 ory windows ners of requ	al Quantity ad Quantity al Quantity 7.59 / sqm a and other fuired dia & l	14.440 2.520 -3.721 16.960 sq -3.721 sqi 13.239 sq Rs 84	m m 441.05

			1		1	1					
	window size 1.10x1.50mts -V.F	3*3	0.100	0.075	1.500		0.102				
	- do - H.F	3*2	0.100	0.075	1.100		0.050				
					Tot	al Quantity	0.198 cum	า			
				To	otal Deducte	ed Quantity	0.000 cum	า			
			~ 0		Net Tot	al Quantity	0.198 cum	า			
	Say 0.198 cum @ Rs 103455.59 / cum Rs 20484.21										
11	13.7.2 12 mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)										
	- (LL		plastering	12		I	T			
	outer	1	16.400	2.850	100		46.740				
	Inner - room	1	12.000	2.850	205		34.200				
	- do - (toilet wall)	1	4.800	2.850			13.680				
			finds.	Deductions	23/27/22						
	Door	old t	0.900	2.100	VVIII	g.	-1.891				
	Door (pvc door)	1 -	0.800	2.100	-		-1.681				
	window	3	1.100	1.500			-4.950				
	1		/ 1		Tot	al Quantity	94.620 sq	m			
				To	otal Deducte	ed Quantity	-8.522 sqı	m			
	Net Total Quantity 86.098 sqm										
	Say 86.098 sqm @ Rs 323.40 / sqm										
12	13.17 6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thi coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams. ceiling										
	Room	1	3.000	3.000			9.000				
	Toilet	1	1.200	1.200			1.440				
				•	Tot	al Quantity	10.440 sq	m			
				To	otal Deducte	ed Quantity	0.000 sqn	า			
						al Quantity	10.440 sq				
			Sa	y 10.440 sa	m @ Rs 29 [,]	-		040.55			
13	50.9.2.1 Providing and fixing pa thick shutters including necessary screws, excluding	g ISI mar	ked M.S. pr	essed butt	hinges bri	ght finished	l of require	d size v			

	Daniel III		0	4.000			4.540			
	Door shutter	1	0.770	1.960			1.510			
	Window	3*2	0.360	1.350			2.916			
					Tota	l Quantity	4.426 sqm	1		
				To	otal Deducted	d Quantity	0.000 sqm	1		
		4.426 sqm	ı							
			Say	/ 4.426 sqn	n @ Rs 2967	.12 / sqm	Rs 13	132.47		
	Providing and fixing factory made uPVC door frame, made of uPVC extruded section, of size 65 mm x 5 mm with wall thickness 2.0 mm (? 0.2mm), corners of the door frame to be mitred cut and jointed wi plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profit of Size 28 mm x 30 mm having wall thickness 2 mm (? 0.2 mm), including providing & fixing 3 nos of 12 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size anchor dash fastners, all complete as per manufacturer's specification and direction of Engineer-incharge.									
	Door frame(pvc)	2	2.100		ı Win		4.200			
	- do -	2	0.800				1.600			
) T		Tota	l Quantity	5.800 met	re		
				To	otal Deducted	d Quantity	0.000 met	re		
	Net Total Quantity 5.800 metre									
	Say 5.800 metre @ Rs 643.02 / metre Rs 3729.52									
45	0.440.4		Say	5.800 metre		02 / metre	Rs 37			
15	9.142.1 35 mm thick factory m ±0.2 mm) thick, havin mm shall be flat and integrally extruded on with MS tube of size 4 of PVC solvent cemer x 100 mm of cross sec solid PVC Lock rail of tapered at both ends styles & rails with the providing 5 mm Single	g styles & r. 20 mm shathe hinges 0 mm x 20 r nt, self drive ction size 35 size 115 m having 15 help of solve piece solid	eanel PVC Do ails (except I all be tapere side of the p mm x 1 mm, j n self tapping mm x 17 mm mm x 35 mm mm solid co rent and self	oor shutter, ock rail) or ed (on both rofile for be oints of sty g screws & n s 1 mm at x 35 mm, core in middled driven selfed sheet ins	made out of size 95 mm side), having the screw has a rails to M.S. rectangue each corner out of which see of rail sectapping screws erted in the	single pied ax 35 mm x ng one sid olding power be mitered gular pipes Single pied 95 mm to be tion integratews of 125 and door as pa	ce extruded 5 mm, out of le thickness er, including cut & joint w bracket of si ece extruded re flat and 2 mm x 11 mr nel, all comp	solid PV of which s of 15 i reinford vith the h ize 190 i 5 mm th 0 mm to d, fixing m, includ		
15	35 mm thick factory m ±0.2 mm) thick, havin mm shall be flat and integrally extruded on with MS tube of size 4 of PVC solvent cemer x 100 mm of cross sec solid PVC Lock rail of tapered at both ends styles & rails with the providing 5 mm Single manufacturer's specifi	g styles & r. 20 mm shathe hinges 0 mm x 20 r at, self drive ction size 35 size 115 m having 15 help of solve piece solid cation and o	anel PVC Do ails (except I all be tapere side of the p mm x 1 mm, j n self tapping mm x 17 mm mm x 35 mm mm solid co vent and self PVC extrud- direction of E	oor shutter, ock rail) or ed (on both rofile for be coints of sty g screws & n s 1 mm at x 35 mm, core in middle driven self ed sheet in ngineer-in-	made out of size 95 mm side), having the screw has a rails to M.S. rectangue each corner out of which see of rail sectapping screws erted in the	single pied ax 35 mm x ng one sid olding power be mitered gular pipes Single pied 95 mm to be tion integratews of 125 and door as pa	ce extruded 5 mm, out of le thickness er, including cut & joint w bracket of si ece extruded the flat and 20 ally extruded mm x 11 mr nel, all comp finish (matt f	solid PV of which s of 15 i reinford vith the h ize 190 i 5 mm th 0 mm to d, fixing m, includ		
15	35 mm thick factory m ±0.2 mm) thick, havin mm shall be flat and integrally extruded on with MS tube of size 4 of PVC solvent cemer x 100 mm of cross sec solid PVC Lock rail of tapered at both ends styles & rails with the providing 5 mm Single	g styles & r. 20 mm shathe hinges 0 mm x 20 r nt, self drive ction size 35 size 115 m having 15 help of solve piece solid	eanel PVC Do ails (except I all be tapere side of the p mm x 1 mm, j n self tapping mm x 17 mm mm x 35 mm mm solid co rent and self	oor shutter, ock rail) or ed (on both rofile for be oints of sty g screws & n s 1 mm at x 35 mm, core in middled driven selfed sheet ins	made out of size 95 mm side), having ter screw have a rails to M.S. rectange each corner out of which see of rail sectapping screwerted in the charge.Non of	single piece ax 35 mm x ng one side olding power be mitered gular pipes of Single pieces of 125 door as padecorative for the single pieces of 125 door as padecorative for 125 door as padecorati	ce extruded 5 mm, out of the thickness er, including cut & joint with the thickness er to the thickness er	solid PV of which s of 15 reinford vith the h ize 190 5 mm to d, fixing m, included		
15	35 mm thick factory m ±0.2 mm) thick, havin mm shall be flat and integrally extruded on with MS tube of size 4 of PVC solvent cemer x 100 mm of cross sec solid PVC Lock rail of tapered at both ends styles & rails with the providing 5 mm Single manufacturer's specifi	g styles & r. 20 mm shathe hinges 0 mm x 20 r at, self drive ction size 35 size 115 m having 15 help of solve piece solid cation and o	anel PVC Do ails (except I all be tapere side of the p mm x 1 mm, j n self tapping mm x 17 mm mm x 35 mm mm solid co vent and self PVC extrud- direction of E	oor shutter, ock rail) or ed (on both rofile for be coints of sty g screws & n s 1 mm at x 35 mm, core in middle driven self ed sheet in ngineer-in-	made out of size 95 mm side), having ter screw have a rails to M.S. rectange each corner out of which see of rail sectapping screwerted in the charge.Non of	single pied ax 35 mm x ng one sid olding power be mitered gular pipes Single pied 95 mm to be tion integratews of 125 and door as pa	ce extruded 5 mm, out of le thickness er, including cut & joint w bracket of si ece extruded the flat and 20 ally extruded mm x 11 mr nel, all comp finish (matt f	solid PV of which s of 15 reinford vith the h ize 190 5 mm to d, fixing m, included		
15	35 mm thick factory m ±0.2 mm) thick, havin mm shall be flat and integrally extruded on with MS tube of size 4 of PVC solvent cemer x 100 mm of cross sec solid PVC Lock rail of tapered at both ends styles & rails with the providing 5 mm Single manufacturer's specifi	g styles & r. 20 mm shathe hinges 0 mm x 20 r at, self drive ction size 35 size 115 m having 15 help of solve piece solid cation and o	anel PVC Do ails (except I all be tapere side of the p mm x 1 mm, j n self tapping mm x 17 mm mm x 35 mm mm solid co vent and self PVC extrud- direction of E	oor shutter, ock rail) or ed (on both rofile for be coints of sty g screws & n s 1 mm at x 35 mm, core in middle driven self ed sheet in ngineer-in-colored.	made out of size 95 mm side), having ter screw have a rails to M.S. rectange each corner out of which see of rail sectapping screwerted in the charge.Non of	single piece ix 35 mm x ng one side olding power be mitered gular pipes it. Single pieces in Single pieces in the side of 125 in door as particular quantity	ce extruded 5 mm, out of the thickness er, including cut & joint with the thickness er to the thickness er	solid PV of which s of 15 reinforce vith the h ize 190 5 mm to 0 mm to d, fixing m, include plete as inish)		

	Say 1.681 sqm @ Rs 4104.32 / sqm								
16	and wooden plugs and	9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nut and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : coarse sand : 6 graded stone aggregate 20 mm nominal size)							
		4*2			,		8.000		
		8.000 ead	:h						
	Total Deducted Quantity 0.000 each							:h	
		-6	1 46	200	Net Tota	I Quantity	8.000 ead	ch	
	6	1 14	Sa	y 8.000 each	n @ Rs 179.	06 / each	Rs 1	432.48	
17	9.48.1 Providing and fixing M. round bars etc. includin welding		NO ACTUAL ACT					•	
	providing 12mm MS rod for window grill	3*14	1.100	erinc	Win	0.89	41.118		
		41.118 kg	1						
	Total Quantity 41.118 kg Total Deducted Quantity 0.000 kg								
	Net Total Quantity 41.118 kg								
	Say 41.118 kg @ Rs 158.00 / kg								
				Say 41.118	kg @ Rs 15	58.00 / kg	Rs 6		
18	11.39 Providing and laying respecified by the manuful White, Ivory, Grey, fumincluding grouting the joint statement of the second statement of the sec	facturer), c e Red Brow	of 1st quality vn, laid on 2	c floor tiles y conformin 0 mm thick o	of size 300x g to IS: 156 cement mort	300 mm or 322, of app ar 1:4 (1 ce	r more (thic roved make ement : 4 Co	496.64 kness to	
18	Providing and laying re specified by the manu White, Ivory, Grey, fund	facturer), c e Red Brow	of 1st quality vn, laid on 2	c floor tiles y conformin 0 mm thick o	of size 300x g to IS: 156 cement mort	300 mm or 322, of app ar 1:4 (1 ce	r more (thic roved make ement : 4 Co	496.64 kness to le in colou	
18	Providing and laying respecified by the manu- White, Ivory, Grey, fum- including grouting the jo	facturer), c e Red Brow pints with w	of 1st quality vn, laid on 2 hite cement	c floor tiles of conforming mm thick of and matching	of size 300x g to IS: 156 cement mort ng pigments	300 mm or 322, of app ar 1:4 (1 ce	r more (thic roved make ement : 4 Co lete.	kness to e in colou	
18	Providing and laying respecified by the manu- White, Ivory, Grey, fum- including grouting the jo	facturer), c e Red Brow pints with w	of 1st quality vn, laid on 2 hite cement	c floor tiles of conformin mm thick of and matchin 3.200	of size 300x g to IS: 156 cement mort ng pigments	300 mm or 322, of app ar 1:4 (1 ce etc., comp	r more (thic roved make ement : 4 Co lete. 10.241	kness to e in colou parse san	
18	Providing and laying respecified by the manu- White, Ivory, Grey, fum- including grouting the jo	facturer), c e Red Brow pints with w	of 1st quality vn, laid on 2 hite cement	c floor tiles of conformin mm thick of and matchin 3.200	of size 300x g to IS: 156 cement mort ng pigments Tota tal Deducted	300 mm or 322, of app ar 1:4 (1 ce etc., comp	r more (thic roved make ement : 4 Co lete. 10.241	kness to e in colou parse san	
18	Providing and laying respecified by the manu- White, Ivory, Grey, fum- including grouting the jo	facturer), c e Red Brow pints with w	of 1st quality vn, laid on 2 hite cement 3.200	c floor tiles of conforming of mm thick of and matching 3.200	of size 300x g to IS: 156 cement mort ng pigments Tota tal Deducted	300 mm or 322, of appear 1:4 (1 ce etc., compart Quantity of Quantity of Quantity	r more (thic roved make ement : 4 Co lete. 10.241 10.241 so 0.000 sqr 10.241 so	kness to e in colou parse san	
18	Providing and laying respecified by the manu-White, Ivory, Grey, fund including grouting the journal Room 11.37 Providing and laying Comanufacturer), of 1st quantification of	facturer), ce Red Brownints with we have a seramic glauality conform, laid on 2	of 1st quality vn, laid on 2 hite cement 3.200 Say zed floor tile rming to IS: 0 mm thick	c floor tiles of conformin on thick of and matchin and matchin and matchin and matchin are so of size 3 and size 3 and size 3 and size 3 and cement more	of size 300x g to IS: 156 cement morting pigments Total tal Deducted Net Total @ Rs 1241 00x300 mm pproved mater 1:4 (1 C	300 mm or 522, of appear 1:4 (1 ce etc., compared Quantity I Quant	r more (thic roved make ement : 4 Collete. 10.241 10.241 so 0.000 sqr 10.241 so Rs 12	kness to e in colou parse san mm. 2716.66 cified by to White, Ivo	
	Providing and laying respecified by the manufacturer, Grey, funding laying the journal of the providing and laying Comanufacturer, of 1st quarter of the manufacturer	facturer), ce Red Brownints with we have a seramic glauality conform, laid on 2	of 1st quality vn, laid on 2 hite cement 3.200 Say zed floor tile rming to IS: 0 mm thick	c floor tiles of conformin on thick of and matchin and matchin and matchin and matchin are so of size 3 and size 3 and size 3 and size 3 and cement more	of size 300x g to IS: 156 cement morting pigments Total tal Deducted Net Total @ Rs 1241 00x300 mm pproved mater 1:4 (1 C	300 mm or 522, of appear 1:4 (1 ce etc., compared Quantity I Quant	r more (thic roved make ement : 4 Collete. 10.241 10.241 so 0.000 sqr 10.241 so Rs 12	kness to le in colou parse sand	

				To	otal Deducte	d Quantity	0.000 sqm	1
					Net Tota	al Quantity	1.440 sqm)
			Say	1.440 sqm	n @ Rs 1039).27 / sqm	Rs 14	196.55
20	specified by the black of any size thick bed of ceme	xing I st quality of manufacturer), of as approved by I ent mortar 1:3 (1 ng pointing in whit	approved m Engineer -in- cement : 3 c	ake, in all o Charge, in s parse sand	colours, sha skirting, rise) and jointin	des except rs of steps a g with grey	burgundy, b and dados, c cement slur	ottle green over 12 mm ry @ 3.3 kç
	Toilet wall	1	4.800	1.500	1		7.200	
			MR	1/2/1	Tota	al Quantity	7.200 sqm	1
		d Quantity	0.000 sqm	1				
		Net Total Quantity						
		7	Say	7.200 sqm	n @ Rs 1124	I.50 / sqm	Rs 80	96.40
	as ner IS · 186	•	ndles, ISI ma or dved to r			-	necessary s	crews etc
	as per IS : 186 complete:125 m	8) transparent o			olour or sha	ade, with r	2.000	crews etc
	complete:125 m	(8) transparent o		equired co	olour or sha	ade, with r	2.000 2.000 no	crews etc
	complete:125 m	(8) transparent o		equired co	Total Deducte	ade, with r	2.000 2.000 no 0.000 no	crews etc
	complete:125 m	(8) transparent o		equired co	Total Deducte	ade, with radius al Quantity displayed Quantity al Quantity	2.000 2.000 no 0.000 no 2.000 no	
22	hadles 9.63.1	ing ISI marked ox	or dyed to r	To	Tota otal Deducte Net Tota 00 no @ Rs	al Quantity d Quantity al Quantity 77.15 / no	2.000 2.000 no 0.000 no 2.000 no Rs 1	54.30
22	hadles 9.63.1 Providing and fix	ing ISI marked ox	or dyed to r	To	Tota otal Deducte Net Tota 00 no @ Rs	al Quantity d Quantity al Quantity 77.15 / no	2.000 2.000 no 0.000 no 2.000 no Rs 1	54.30
22	9.63.1 Providing and fix etc. complete:25	ing ISI marked ox	or dyed to r	To	Total Deducte Net Total 00 no @ Rs	al Quantity d Quantity al Quantity 77.15 / no	2.000 2.000 no 0.000 no 2.000 no Rs 1	54.30
22	9.63.1 Providing and fix etc. complete:25	ing ISI marked ox	or dyed to r	To Say 2.00	Total Deducte Net Total 00 no @ Rs	al Quantity d Quantity al Quantity 77.15 / no Barrel type)	2.000 2.000 no 0.000 no 2.000 no Rs 1	54.30
22	9.63.1 Providing and fix etc. complete:25	ing ISI marked ox	or dyed to r	To Say 2.00	Total Deducte Net Total O no @ Rs	al Quantity d Quantity al Quantity 77.15 / no Barrel type)	2.000 2.000 no 0.000 no 2.000 no Rs 1 with necess 2.000 2.000 no	54.30
22	9.63.1 Providing and fix etc. complete:25	ing ISI marked ox	or dyed to r	To Say 2.00 ower bolt b	Total Deducte Net Total O no @ Rs	al Quantity d Quantity al Quantity 77.15 / no Barrel type) al Quantity d Quantity	2.000 2.000 no 0.000 no 2.000 no Rs 1 with necess 2.000 2.000 no 0.000 no 2.000 no	54.30
22	9.63.1 Providing and fix etc. complete:250 Tower boult	ing ISI marked ox	cidised M.S. t	Say 2.00 Say 2.00	Total Deducte Net Total Ono @ Rs lack finish, (Total Otal Deducte Net Total	al Quantity d Quantity al Quantity 77.15 / no Barrel type) al Quantity d Quantity	2.000 2.000 no 0.000 no 2.000 no Rs 1 with necess 2.000 2.000 no 0.000 no 2.000 no	54.30 sary screw
	9.63.1 Providing and fix etc. complete:250 Tower boult	ing ISI marked ox 0x10 mm 2	cidised M.S. t	Say 2.00 Say 2.00	Total Deducte Net Total Ono @ Rs lack finish, (Total Otal Deducte Net Total	al Quantity d Quantity al Quantity 77.15 / no Barrel type) al Quantity d Quantity	2.000 2.000 no 0.000 no 2.000 no Rs 1 with necess 2.000 2.000 no 0.000 no 2.000 no	54.30 sary screw
	9.63.1 Providing and fix etc. complete:250 Tower boult	ing ISI marked ox 0x10 mm 2	cidised M.S. t	Say 2.00 Say 2.00	Total Deducte Net Total 00 no @ Rs lack finish, (Total otal Deducte Net Total 00 no @ Rs	al Quantity d Quantity al Quantity 77.15 / no Barrel type) al Quantity d Quantity	2.000 2.000 no 0.000 no 2.000 no Rs 1 with necess 2.000 2.000 no 0.000 no 2.000 no Rs 1	54.30 sary screws

					Net Tota	al Quantity	2.000 no	
				Say 2.000	no @ Rs 17	71.49 / no	Rs 3	342.98
24	50.9.15.5 Providing and fixing ir							
	W	3*2*2					12.000	
					Tota	al Quantity	12.000 nc)
			1666	To	tal Deducte	d Quantity	0.000 no	
		Net Total Quantity)
		- 03	7 98	Say 12.00	0 no @ Rs ′	12.38 / no	Rs 1	148.56
	as per item no. 11 as per item no. 12	1 1	86.098 10.440	ering	,	al Quantity	86.098 10.440 96.538 sq	-
	Total Deducted Quantity 0.000 sqm							
	Net Total Quantity 96.538 sqm							
26	12 60 1		S	ay 96.538 s	qm @ Rs 55	5.79 / sqm	Rs 53	385.86
26	13.60.1 Wall painting with acr	v work	n paint of app	•	•	·	ive an even	
26	Wall painting with acr or more coats on new as per item no. 11	work 1	86.098	•	•	·	ive an even 86.098	
26	Wall painting with acr	v work	n paint of app	•	d and manu	facture to g	86.098	shade:T
26	Wall painting with acr or more coats on new as per item no. 11	work 1	86.098	proved bran	d and manu	facture to g	86.098 10.440 96.538 sq	shade:T
26	Wall painting with acr or more coats on new as per item no. 11	work 1	86.098	proved bran	d and manu Tota	facture to g al Quantity d Quantity	86.098 10.440 96.538 sq 0.000 sqn	shade:T
26	Wall painting with acr or more coats on new as per item no. 11	work 1	86.098 10.440	proved bran	Total Deducte	facture to g al Quantity d Quantity al Quantity	86.098 10.440 96.538 sq 0.000 sqn 96.538 sq	shade:T
26	Wall painting with acr or more coats on new as per item no. 11	work 1 1 1 ce Multi sur cations:Paint @ 0.90 ltr/	86.098 10.440 Sa face paint sting wood we	To y 96.538 squ system for ork with Deli	Tota tal Deducte Net Tota m @ Rs 127 interiors ar uxe Multi Su	facture to g al Quantity d Quantity al Quantity 7.50 / sqm and exteriors	86.098 10.440 96.538 sq 0.000 sqn 96.538 sq Rs 12	gm gm 2308.60 mer as shade. T
	Wall painting with acr or more coats on new as per item no. 11 as per item no. 12 13.48.2 Finishing with Delumanufacturers specificor more coat applied	work 1 1 1 ce Multi sur cations:Paint @ 0.90 ltr/	86.098 10.440 Sa face paint sting wood we	To y 96.538 squ system for ork with Deli	Tota tal Deducte Net Tota m @ Rs 127 interiors ar uxe Multi Su	facture to g al Quantity d Quantity al Quantity 7.50 / sqm and exteriors	86.098 10.440 96.538 sq 0.000 sqn 96.538 sq Rs 12	gm gm 2308.60 mer as p
	Wall painting with acr or more coats on new as per item no. 11 as per item no. 12 13.48.2 Finishing with Delumanufacturers specifi or more coat applied approved brand and	work 1 1 1 ce Multi sur cations:Paint @ 0.90 ltr/manufactur	sa face paint sting wood wo	y 96.538 squ system for ork with Delier an under	Total Deducte Net Total m @ Rs 127 interiors ar uxe Multi Su coat of prii	facture to g al Quantity d Quantity al Quantity 7.50 / sqm and exteriors	86.098 10.440 96.538 sq 0.000 sqn 96.538 sq Rs 12 s using prinof required d @ 0.75 ltr	gm gm 2308.60 mer as p

				To	tal Deducte	d Ouantity	0.000 sqr	n
				10		al Quantity	11.679 so	
			Sov	/ 11.679 sqn		·		562.30
28	50.18.8.9.2 Providing and fixing Fincludes jointing of pirection of Engineer-in 110 mm pipe 4 kgf/cm	ipes with or n-Charge. C	fittings inclu	ding fixing t	he pipe wit ement and	h clamps a	t 1.00 m sp oints comp	eacing. The
	110 mm dia pvc pipe	1	10.000	17			10.000	
		1 13		N	Tota	l Quantity	10.000 m	etre
	(EHI		To	tal Deducte	d Quantity	0.000 me	tre
	1/	10.000 m	etre					
	4		Say 10	0.000 metre	@ Rs 572.5	51 / metre	Rs 5	725.10
	Providing and fixing P solvent cement-110 m 110 mm dia door elbow	m dia Door	tions and a time of	Jessulies IOI	Nigiu FVC	рірез, пісп	1.000	ig with FV
			$^{\perp}$		Tota	l Quantity	1.000 no	
				To	tal Deducte	d Quantity	0.000 no	
					Net Tota	l Quantity	1.000 no	
				Say 1.000	no @ Rs 13	30.45 / no	Rs 1	30.45
	50 40 0 00 4							
30	50.18.9.22.4 Providing and fixing P solvent cement- 110 n		•	cessories for	r Rigid PVC	pipes, incl	uding jointir	ng with P\
30	Providing and fixing P		•	cessories for	r Rigid PVC	pipes, incl	uding jointir	ng with P\
30	Providing and fixing P solvent cement- 110 n	nm dia Bend	•	cessories for		pipes, included in pipes, i		ng with P\
30	Providing and fixing P solvent cement- 110 n	nm dia Bend	•			al Quantity	2.000	ng with P\
30	Providing and fixing P solvent cement- 110 n	nm dia Bend	•		Tota	al Quantity	2.000 2.000 no	ng with P\
30	Providing and fixing P solvent cement- 110 n	nm dia Bend	•	То	Tota	al Quantity d Quantity al Quantity	2.000 no 2.000 no 0.000 no 2.000 no	ng with P\
31	Providing and fixing P solvent cement- 110 n	2 VC moulded	d fittings/acc	To: Say 2.000 ressories for	Tota tal Deducte Net Tota no @ Rs 15	d Quantity d Quantity d Quantity d Quantity 59.51 / no	2.000 no 2.000 no 0.000 no 2.000 no Rs 3	319.02
	Providing and fixing P solvent cement- 110 n plain bend 50.18.9.22.6 Providing and fixing P	2 VC moulded	d fittings/acc	To: Say 2.000 ressories for	Tota tal Deducte Net Tota no @ Rs 15	d Quantity d Quantity d Quantity d Quantity 59.51 / no	2.000 no 2.000 no 0.000 no 2.000 no Rs 3	319.02
	Providing and fixing P solvent cement- 110 n plain bend 50.18.9.22.6 Providing and fixing P	2 VC moulded	d fittings/acc	To: Say 2.000 ressories for	Tota tal Deducted Net Tota no @ Rs 15	d Quantity d Quantity d Quantity d Quantity 59.51 / no	2.000 2.000 no 0.000 no 2.000 no Rs 3	319.02

					Net Tota	al Quantity	1.000 no	
				Say 1.000	no @ Rs 18	35.95 / no	Rs 1	85.95
32	50.18.9.22.8 Providing and fixing Postoric tement -110 m		•	cessories fo	r Rigid PVC	pipes, incl	uding jointin	ıg with P∖
		1					1.000	
			(Cal)	N.	Tota	al Quantity	1.000 no	
			- J. W.W.	То	tal Deducte	d Quantity	0.000 no	
		10	3 60	542	Net Tota	al Quantity	1.000 no	
	/	AT	MA	Say 1.000	no @ Rs 12	22.29 / no	Rs 1	22.29
33	50.18.7.3.2 Providing and fixing Pincludes jointing of piper direction of Engine	es & fittings	s with one st	tep PVC sol	vent cemer	it and testin	g of joints of	complete
	1.0	1	6.000		1.07		6.000	
	LS	GD E	ngine	ering	Tota	al Quantity	6.000 me	tre
	Total Deducted Quantity							tre
	Net Total Quantity 6.000 metre							
			Say	6.000 metre	@ Rs 212.7	73 / metre	Rs 12	276.38
34	18.15.1 Providing and fixing bra	ass bib cock	of approved	d quality :15	mm nomina	ıl bore		
		1					1.000	
	Total Quantity							:h
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 eac	:h
	Say 1.000 each @ Rs 392.70 / each						De 3	
			Sa	y 1.000 each	n @ Rs 392.	.70 / each	1/3 3	92.70
35	17.1.1 Providing and fixing was S trap, 10 litter low lev (handle lever) conform good the walls and floomm with integral type for the strain of the strain o	vel white P. ing to IS : 7 ors whereve	squatting par V.C.flushing 231, with all	n (Indian typ g cistern, ind fittings and	e W.C. pan cluding flusl fixtures com) with 100 n n pipe, man	nm Sand Ca lually contro	ast Iron P olled devi
35	Providing and fixing was S trap, 10 litter low lev (handle lever) conform good the walls and floor	vel white P. ing to IS : 7 ors whereve	squatting par V.C.flushing 231, with all	n (Indian typ g cistern, ind fittings and	e W.C. pan cluding flusl fixtures com) with 100 n n pipe, man	nm Sand Ca lually contro	ast Iron P olled devi and maki
35	Providing and fixing was S trap, 10 litter low lev (handle lever) conform good the walls and floor	vel white P. ing to IS : 7 ors whereve oot rests	squatting par V.C.flushing 231, with all	n (Indian typ g cistern, ind fittings and	e W.C. pan cluding flusl fixtures com china Orissa) with 100 n n pipe, man	nm Sand Ca ually contro ding cutting C. pan of si	ast Iron P blled devi and maki ze 580x4
35	Providing and fixing was S trap, 10 litter low lev (handle lever) conform good the walls and floor	vel white P. ing to IS : 7 ors whereve oot rests	squatting par V.C.flushing 231, with all	n (Indian typ g cistern, ind fittings and t ite Vitreous	e W.C. pan cluding flusl fixtures com china Orissa) with 100 n n pipe, man plete, includ a pattern W al Quantity	nm Sand Ca qually contro ding cutting C. pan of si	ast Iron P blled devi and maki ze 580x4

				Say	1.000 each	@ Rs 5275.54	/ each	Rs 5	275.54
36	of standard	d pattern, i	ncluding pa	ainting of fit	ttings and b	C.P. brass pilla trackets, cuttir 630x450 mm v	ig and n	naking goo	d the wall:
			1	1.000				1.000	
	Total Quantity								:h
	Total Deducted Quantity							0.000 eac	ch
	Net Total Quantity							1.000 eac	h
		(RHI	Say	1.000 each	@ Rs 3470.35	/ each	Rs 3	470.35
		•	• .	to the second second		rackets, cuttir 550x400 mm v	•		
		land and	1	1.000	Cilling	1 111119		1.000	
) T		Total Q	uantity	1.000 eac	h
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38	50.17.1.4 Supplying and fixing CP Health faucet good quality including cost of materials and labour charges et complete as per the direction of site engineer-in-charge.								
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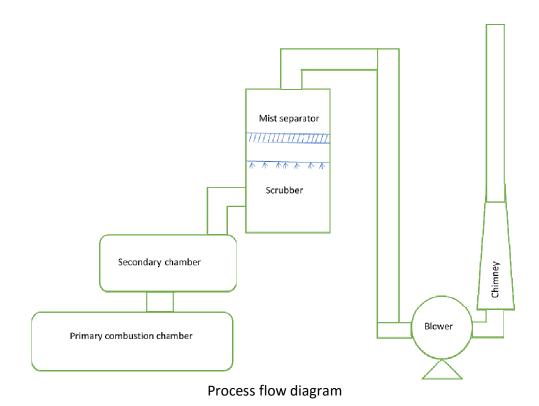
		Lump-9	Sum Total				Rs 50	00.000		
	SI No	Description	No	L	В	D	CF	Quantity		
Remark	5 Gas furnace as per ISI mark and specification approved by SPCB									
		Lump-S	Sum Total				Rs 290	00.0000		
	SI No	Description	No	L	В	D	CF	Quantity		
Remark	6 Wa	ater supply arragen	nents if any	(Prepare de	etailed estin	nate as per	site condi	tion)		
		Lump-S	Sum Total				Rs 50	00.000		
	SI No	Description	No	L	В	D	CF	Quantity		
Remark	7 Providing Name board									
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(Cost Index Applied for this estimate is 50.98%)

SPECIFICATIONS FOR CREMATOR (FURNACE AND CHIMNEY) FOR LPG CREMATORIUM

The Furnace System comprises of:

- 1. Primary Combustion Chamber
- 2. Body Loading Trolley
- 3. Hot Duct
- 4. Secondary Combustion Chamber
- 5. Venturi Wet Scrubber
- 6. Mist Eliminator
- 7. Dilution System
- 8. Stack
- 9. Control Panel
- 10. Ash Chamber



1.Technical Specifications

1. Primary Chamber : 9ft x 6ft x 5ft

2. Secondary Chamber : Sufficient Size so that a residence

time of at least 1 sec at 1100°C is

provided for the exit gases from the primary chamber to get exposed to the

flame of the after burner.

3. Temperature in primary : $800 \pm 50^{\circ}$ C

chamber

4. Temperature in Secondary : $1050 \pm 50^{\circ}$ C

Chamber

5. Fuel : Liquified Petroleum Gas

6. Door of Primary Chamber : Front opening, vertical sliding, counter

weight balanced with view port.

7. Burner System : Full length burners on either side of primary

and secondary chamber

8. Gas pipe line : Made of Copper/M.S with pressure gauge

9. Insulation : Withstanding 1100°C

10. Chimney : 30m height

11. LP Gas cylinder : Minimum 8 number.

12. Power : Approximately 7kW, 3 phase connections

13. Emission : Parameters to meet KSPCB standards

14. Furnace bed & Structure : Stainless steel, strong, High quality

alumina/fire bricks with air holes to

secondary chamber.

15. Cremation time/body : 60-90 minutes.

16. LPG consumption : $12 \pm 2 \text{ kg}$.

The following requirements are also to be satisfied

1. Wet Scrubber & cloud : For the removal of toxic gases and

chamber particulate matter from the emission from

the secondary chamber before letting out

the emission into the atmosphere through

chimney of 30m height.

2. Dilution system with $\ensuremath{\mathsf{ID}}$: To bring down further the concentration of

Fan pollutant parameters in the emissions.

3. Combustion Air Supply : With blower for the supply of oxygen for

incineration of the body in the primary

chamber and supply of excess air to the

secondary chamber.

4. Trolley : Stretcher type trolley with rollers moving on

ball bearings for easy sliding in of the body

into the primary chamber.

5. Temperature Sensor : Cr/Al Thermocouple-one number in each

chamber.

6. Temperature control and : Solid State digital type temperature indicator

indication AC

conditional type temperature manager.

controller 0-1200°C in each chamber.

7. Safety controller : Solid state non-indicating controller

0+1200°C in each chamber to take care of

control activity in case of failure.

8. Ash removal : At rear side of primary chamber, scraping by

manual operation, with hinged type door

manually operated.

9. Painting : Steel items to be enamel painted