15	X, S.No. 8,pg 50		b) Labour								
			Mason second class	day	0.54	401	214.92				
			Man Mulia	day	0.22	351	76.56				
			Women mulia	day	0.32	351	111.36				
			White washing 2 coats with shell lime excluding 10% OHC and 2% T&P	sqm	3.5	2.13	7.46				
			Total				410.30				
			Total (a+b)				870.90				
			c) Overhead Charges @ 10 % on (a+b)				87.09				
			Total (a+b+c)				957.99				
			d) Add GST 12% on above	@12.0%			114.96				
			Total Rate Per SQM				1072.94				
16	XI, S.No. 3, pg 52		3 Random rubble H.G. stone Masonry in cement mortar (1:6) in foundation and plinth. Per 1 cum.								
			a) Material								
			Rough Stone Granite quarried including bond stones	cum	1	184.65	184.65				
			Sand (screened & washed)	cum	0.34	51.71	17.58				
			cement	quintal	0.8151	500	407.55				
			Total				609.78				
			b) Labour								
			Man mulia for mixing mortar	day	0.35	311	107.80				
			Mason special	day	0.35	461	160.30				
			Mason second class	day	1.41	401	561.18				
			Man Mulia	day	1.41	351	490.68				
			Women mulia	day	1.41	351	490.68				
			Total				1810.64				
			Total (a+b)				2420.42				
			c) Overhead Charges @ 10 % on (a+b)				242.04				
			Total (a+b+c)				2662.46				
			d) Add GST 12% on above	@12.0%			319.50				
			Total Rate Per CUM				2981.96				
17			Brick work with K.B.bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm2 with dimensional tolerance ± 8 percent in C.M(1:6) in Foundation & Plinth (per one Cum)							*VI - 3 (Ref :-A/R - 2006, P-71, Item No - 3)*	
		(a)	***Material***								
			(i) K.B. Brick (25cm x 12cm x 8cm)	350	Nos.	4638.30	per 1000	₹	1623.41		
			(ii) Sharp Sand (screened and washed)	0.28	Cum	46.67	Per Cum	₹	13.07		
			(iii)Cement	0.672	Qnt. .	491.74	Per Qntl.	₹	330.45		
		(b)	***Labour***								
			(i)Mason Special	0.35	No.	461.00	Per day	₹	161.35		
			(ii)Mason 2nd Class	1.05	No.	401.00	Per day	₹	421.05		
			(iii)Man Mulia	1.41	No.	311.00	Per day	₹	438.51		
			(iv)Female Mulia	1.41	No.	311.00	Per day	₹	438.51		
			(v)Preparing Mortar & getting Water	0.14	No.	311.00	Per day	₹	43.54		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	260.24		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	260.24		
					Foundation & Plinth			₹	**3990.36**	per cum	
		(e)	***Royalty & Carriage***								
			(i)Brick	350	Nos.	681.74	per 1000	₹	238.61		
			(ii)Sand	0.28	Cum	536.67	Per Cum	₹	150.27		
			(iii)Cement	0.672	Qnt. .	16.17	Per Qntl.	₹	10.87		
								₹	**4390.11**		
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	43.90		
					Foundation & Plinth			₹	**4434.01**		
					For Superstructure Add			₹	33.00		
			Add Contractor Profit @ 7.5%	7.50%				₹	2.48		
								₹	**4425.58**	per cum	
			Add Labour Cess @ 1%	1%				₹	44.26		
					Superstructure			₹	**4469.84**		
18			Honey comb masonry with 25cm ×12cm ×8cm size Kiln burnt bricks having crushing strength not less than 75 kg/cm2 cement mortrar (1:4) and plastered with 16mm thick cement mortrar (1:6) including white washing 2 coats **(Per 1 sqm)**							*VI - 8 (Ref :-A/R - 2006, P-73, Item No - 8)*	
		(a)	***Material***								
			(i)Kiln burnt bricks as specified	61	Nos.	4638.30	per 1000	₹	282.94		
			(ii) Sharp Sand (screened and washed)	0.08	Cum	46.67	Per Cum	₹	3.73		
			(iii)Cement 0.02 Cum	0.286	Qntl.	491.74	Per Qntl.	₹	140.64		
		(b)	***Labour***								
			(i)Mason 2nd Class	0.54	No.	401.00	Per day	₹	216.54		
			(ii)Man mulia	0.22	No.	311.00	Per day	₹	68.42		
			(iii)Female Mulia	0.32	No.	311.00	Per day	₹	99.52		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	28.59		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	28.59		
			White washing 2 coats with shell lime	3.5	Sqm.	11.29	Per Sqm.	₹	39.52		
								₹	**908.49**	per cum	

		(e)	***Royalty & Carriage***								
			(i)Brick	61	Nos.	681.74	per 1000	₹	41.59		
			(ii)Sand	0.08	Cum	536.67	Per Cum	₹	42.93		
			(iii)Cement	0.286	Qntl.	16.17	Per Qntl.	₹	4.63		
								₹	**997.63**		
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	9.98		
								₹	**1007.61**		
19			Random rubble H.G. stone Masonry in C.M(1:6) in Foundation & Plinth **(per one Cum)**							*VII - 3 (Ref :-A/R - 2006, P-75, Item No - 3)*	
		(a)	***Material***								
			(i)Rough Stone granite quarried including bond stones.	1	Cum	181.90	Per Cum	₹	181.90		
			(ii)Sand (screened & washed)	0.34	Cum	46.67	Per Cum	₹	15.87		
			(iii)Cement (0.057 Cum)	0.8151	Qntl.	491.74	Per Qntl.	₹	400.82		
		(b)	***Labour***								
			(i)Mason Special Class	0.35	No.s	461.00	Per day	₹	161.35		
			(ii)Mason 2nd Class	1.41	No.s	401.00	Per day	₹	565.41		
			(iii)Man mulia	1.41	No.s	311.00	Per day	₹	438.51		
			(iv)Female Mulia	1.41	No.s	311.00	Per day	₹	438.51		
			(v)Man mulia for mixing mortar	0.35	No.s	311.00	Per day	₹	108.85		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	127.34		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	127.34		
					Foundation & Plinth			₹	**2565.89**	per cum	
		(e)	***Royalty & Carriage***								
			(i)Rough stone Granite	1	Nos.	631.67	per 1000	₹	0.63		
			(ii)Sand	0.34	Cum	387.07	Per Cum	₹	131.60		
			(iii)Cement	0.8151	Qntl.	16.17	Per Qntl.	₹	13.18		
								₹	**2711.31**		
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	27.11		
								₹	**2738.42**	per cum	
					For Superstructure Add			₹	41.90		
			Add Contractor Profit @ 7.5%	7.50%				₹	3.14		
								₹	**2610.93**	per cum	
			Add Labour Cess @ 1%	1%				₹	26.11		
					Superstructure			₹	**2637.04**		
20	XIV, S.No. 3, pg 60		12mm. thick cement plaster (1:3) on brick work per 1 Sqm								
			a) Material								
			Sand (screened & washed)	cum	0.015	51.71	0.78				
			cement	quintal	0.0715	500	35.75				
			Total				36.53				
			b) Labour								
			Man mulia for mixing mortar	day	0.02	311.00	6.16				
			Mason second class	day	0.14	401	55.72				
			Man Mulia	day	0.05	351	17.40				
			Women mulia	day	0.05	351	17.40				
			Total				96.68				
			Total (a+b)				133.21				
			c) Overhead Charges @ 10 % on (a+b)				13.32				
			Total (a+b+c)				146.53				
			d) Add GST 12% on above	@12.0%			17.58				
			Total Rate Per SQM				164.11				
21	XIV, S.No. 17, pg 60		20mm. thick cement plaster (1:4) per 1Sqm								
			a) Material								
			Sand (screened & washed)	cum	0.021	51.71	1.09				
			cement	quintal	0.0744	500	37.20				
			Total				38.29				
			b) Labour								
			Man mulia for mixing mortar	day	0.02	311	6.16				
			Mason second class	day	0.16	401	63.68				
			Man Mulia	day	0.11	351	38.28				
			Women mulia	day	0.11	351	38.28				
			Total				146.40				
			Total (a+b)				184.69				
			c) Overhead Charges @ 10 % on (a+b)				18.47				
			Total (a+b+c)				203.15				
			d) Add GST 12% on above	@12.0%			24.38				
			Total Rate Per SQM				227.53				
			16 mm. thick cement plaster (1 :6) over brick or stone masonry per 1Sqm.								
			a) Material								
			Sand (screened & washed)	cum	0.018	51.71	0.93				
			cement	quintal	0.043	500	21.50				
			Total				22.43				

22	XIV, S.No. 14, pg 60		b) Labour								
			Man mulia for mixing mortar	day	0.02	311	6.16				
			Mason second class	day	0.16	401	63.68				
			Man Mulia	day	0.11	351	38.28				
			Women mulia	day	0.11	351	38.28				
			Total				146.40				
			Total (a+b)				168.83				
			c) Overhead Charges @ 10 % on (a+b)				16.88				
			Total (a+b+c)				185.71				
			d) Add GST 12% on above	@12.0%			22.29				
			Total Rate Per SQM				208.00				
23	XIII, S.No. 17, pg 58		Finishing walls with water proofing cement paint of approved shade on new work two coat to give an even shade including cost of paint.Per 1 Sqm. Data for 10 Sqm.								
			a) Material								
			Cement Paint	kg	3.18	38.39	122.08				
			Total				122.08				
			b) Labour								
			Painter or Polisher (special)	day	0.02	461	9.16				
			Man Mulia	day	0.14	351	48.72				
			Man Mulia for preparation of surface	day	0.05	311	15.40				
			Total				73.28				
			Total (a+b)				195.36				
			c) Overhead Charges @ 10 % on (a+b)				19.54				
			d) 2% Sundries, brushes, T&P Etc. on (b)				1.47				
			Total (a+b+c+d)/10=				21.64				
			d) Add GST 12% on above	@12.0%			2.60				
			Total Rate Per Sqm				24.23				
24	XIII, S.No. 22, pg 58		Distempering two coats to walls with distemper of approved shade on new work to give an even shade including cost of distemper. Per 1 Sqm. Data for 10 Sqm.								
			a) Material								
			Distemper	kg	4.38	56.7	248.35				
			Total				248.35				
			b) Labour								
			Painter or Polisher (special)	day	0.52	461	238.16				
			Man Mulia	day	0.52	351	180.96				
			Man Mulia for preparation of surface	day	0.1	311	30.80				
			Total				449.92				
			Total (a+b)				698.27				
			c) Overhead Charges @ 10 % on (a+b)				69.83				
			d) 2% Sundries, brushes, T&P Etc. on (b)				9.00				
			Total (a+b+c+d)/10=				77.71				
			d) Add GST 12% on above	@12.0%			9.33				
			Total Rate Per SQM				87.03				
25	XIII, S.No. 23, pg 58		Finishing plastered surfaces of walls with plaster of paris & marking smooth to receive painting.including plaster of paris cost .Per 1 Sqm. Data for 10 Sqm.								
			a) Material								
			plaster of paris	kg	4.22	10.47	44.18				
			Total				44.18				
			b) Labour								
			Painter or Polisher (special)	day	0.5	461	229.00				
			Man Mulia	day	0.5	351	174.00				
			Man Mulia for preparation of surface	day	0.07	311	21.56				
			Total				424.56				
			Total (a+b)				468.74				
			c) Overhead Charges @ 10 % on (a+b)				46.87				
			d) 2% Sundries, brushes, T&P Etc. on (b)				8.49				
			Total (a+b+c+d)/10=				52.41				
			d) Add GST 12% on above	@12.0%			6.29				
			Total Rate Per SQM				58.70				
26	XIII, S.No. 20, pg 58		Wall painting 2 coats with plastic emulsion paint of approved shade on new work to give an even shade including cost of paint (For 10 Sqm.)								
			a) Material								
			plastic emulsion paint	Ltr	1.67	207.62	346.73				
			Total				346.73				
			b) Labour								
			Painter or Polisher (special)	day	0.54	461	247.32				

	20, pg 56		Man Mulia	day	0.54	351	187.92				
			Man Mulia for preparation of surface	day	0.1	311	30.80				
			Total				466.04				
			Total (a+b)				812.77				
			c) Overhead Charges @ 10 % on (a+b)				81.28				
			d) 2% Sundries, brushes, T&P Etc. on (b)				9.32				
			Total (a+b+c+d)/10=				90.34				
			d) Add GST 12% on above	@12.0%			10.84				
			Total Rate Per Sqm				101.18				
27	XXIII, S.No. 2, pg 93		Finishing wall surface of walls with Acrylic wall putty (Water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes, labour T&P etc complete. Data for 10 Sqm								
			a) Material								
			Synthetic putty	kg	8	84.62	676.96				
			Painter 2nd class	day	0.5	401	199.00				
			Total				875.96				
			b) Labour								
			Man Mulia	day	0.5	351	174.00				
			Man Mulia for preparation of surface	day	0.07	311	21.56				
			Total				195.56				
			Total (a+b)				1071.52				
			c) Overhead Charges @ 10 % on (a+b)				107.15				
			Total (a+b+c+d)/10=				117.87				
			d) Add GST 12% on above	@12.0%			14.14				
			Total Rate Per SQM				132.01				
28	XII, S.No. 2, pg 54		2.5cm artificial stone flooring with cement concrete (1:2:4) including punning using 12 mm size hand broken granites chips.								
			a) Material								
			Hand Broken granite chips (12mm, screened)	cum	0.023	898.98	20.68				
			Sand (screened & washed)	cum	0.012	51.71	0.62				
			cement	quintal	0.0858	500	42.90				
			Total				64.20				
			b) Labour								
			Man mulia for mixingchips cement and sand in small quantity and watering	day	0.03	311	9.24				
			Mason special	day	0.13	461	59.54				
			Man Mulia	day	0.11	351	38.28				
			Women mulia	day	0.22	351	76.56				
			Total				183.62				
			Total (a+b)				247.82				
			c) Overhead Charges @ 10 % on (a+b)				24.78				
			Total (a+b+c)				272.60				
			d) Add GST 12% on above	@12.0%			32.71				
			Total Rate Per CUM				305.31				
29	XII, S.No. 20, pg 55		2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken granite Chips per1 Sqm.								
			a) Material								
			Hand Broken granite chips (12mm, screened)	cum	0.023	898.98	20.68				
			Sand (screened & washed)	cum	0.012	51.71	0.62				
			cement	quintal	0.0754	500	37.70				
			Total				59.00				
			b) Labour								
			Man mulia for mixingchips cement and sand in small quantity and watering	day	0.03	311	9.24				
			Mason special	day	0.103	461	47.17				
			Man Mulia	day	0.33	351	114.84				
			Total				171.25				
			Total (a+b)				230.25				
			c) Overhead Charges @ 10 % on (a+b)				23.03				
			Total (a+b+c)				253.28				
			d) Add GST 12% on above	@12.0%			30.39				
			Total Rate Per Sqm				283.67				
			Supplying, fitting and fixing vetrifed tile in floors of size 600mm x 600mm of approved make with application of polymer modified cement based water resistant adhesive bed of required thickness of 10mm and filling joints with epoxy grout of approved qualiy including cost of all materials, labour T&P etc required for the work. Data for 10 Sqm								
			a) Material								
			Cost of tile	sqm	10	575.76	5757.60				

30	XXIII, S.No. 1, pg 93		Cost of polymer modified adhessive	kg	90	35	3150.00				
			Epoxy grout	L.S.			1099.00				
			Total				10006.60				
			b) Labour								
			Mason special	day	2.16	461	989.28				
			S.S.Mulia	day	5.5	351	1914.00				
			Mulia	day	2.16	311	665.28				
			Total				3568.56				
			Total (a+b)				13575.16				
			c) Overhead Charges @ 10 % on (a+b)				1357.52				
			Total (a+b+c)/10=				1493.27				
			d) Add GST 12% on above	@12.0%			179.19				
			Total Rate Per SQM				1672.46				
31			**12 mm thick Cement Plaster(1:3)** on brick work **(per one Sq. Mtr.)**							*X - 3 (Ref :-A/R - 2006, P-102, Item No - 3)*	
		(a)	**Material**								
			(i)Sand (Screened and washed)	0.015	Cum	46.67	Per Cum.	₹	0.70		
			(ii)Cement	0.0715	Qntl.	491.74	Per Qntl.	₹	35.16		
		(b)	**Labour**								
			(i)Mason 2nd Class	0.14	No.s	401.00	Per day	₹	56.14		
			(ii)Man mulia	0.05	No.s	311.00	Per day	₹	15.55		
			(iii)Female Mulia	0.05	No.s	311.00	Per day	₹	15.55		
			(iv)Man mulia for mixing sand and cement in small quantities and watering	0.02	No.s	311.00	Per day	₹	6.22		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	9.70		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	9.70		
								₹	**148.72**	per Sq.mtr.	
		(e)	***Royalty & Carriage***								
			(i)Sand	0.015	Cum	387.07	Per Cum.		5.81		
			(ii)Cement	0.0715	Qntl.	16.17	Per Qntl.		1.16		
									155.68	per Sq.mtr.	
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)				1.56		
									157.24	per Sq.mtr.	
			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*	
			Material Cost	35.86	35.86	35.86	35.86	35.86	35.86	35.86	
			Labour Cost	93.46	96.26	99.15	102.13	105.19	108.35	111.60	
			Add Overhead Charges @ 7.5%	9.70	9.91	10.13	7.60	7.82	8.06	8.30	
			Add Contractor Profit @ 7.5%	9.70	9.91	10.13	7.60	7.82	8.06	8.30	
			Add Carriageway	6.96	6.96	6.96	6.96	6.96	6.96	6.96	
				155.68	**158.90**	**162.23**	**160.14**	**163.66**	**167.28**	**171.02**	
			Add Labour Cess @ 1%	**1.56**	**1.59**	**1.62**	**1.60**	**1.64**	**1.67**	**1.71**	
				157.24	**160.49**	**163.85**	**161.74**	**165.30**	**168.96**	**172.73**	
			OUTSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*	
			Material Cost	35.86	35.86	35.86	35.86	35.86	35.86	35.86	
			Labour Cost	93.46	98.13	103.04	108.19	113.60	119.28	125.25	
			Add Overhead Charges @ 7.5%	9.70	10.05	10.42	8.05	8.45	8.87	9.32	
			Add Contractor Profit @ 7.5%	9.70	10.05	10.42	8.05	8.45	8.87	9.32	
			Add Carriageway	15.02	15.02	15.02	15.02	15.02	15.02	15.02	
				163.74	**169.11**	**174.75**	**175.16**	**181.38**	**187.90**	**194.76**	
			Add Labour Cess @ 1%	**1.64**	**1.69**	**1.75**	**1.75**	**1.81**	**1.88**	**1.95**	
				165.38	**170.80**	**176.50**	**176.92**	**183.19**	**189.78**	**196.70**	
32			**20 mm thick Cement Plaster(1:4)** (per one Sq. Mtr.)							*X - 17 (Ref :-A/R - 2006, P-106, Item No -17)*	
		(a)	**Material**								
			(i)Sand (Screened and washed)	0.021	Cum	46.67	Per Cum.	₹	0.98		
			(ii)Cement (0.0038 Cum)	0.0744	Qntl.	491.74	Per Qntl.	₹	36.59		
		(b)	**Labour**								
			(i)Mason 2nd Class	0.16	No.s	401.00	Per day	₹	64.16		
			(ii)Man mulia	0.11	No.s	311.00	Per day	₹	34.21		
			(iii)Female Mulia	0.11	No.s	311.00	Per day	₹	34.21		
			(iv)Man mulia for mixing sand and cement in small quantities and watering	0.02	No.s	311.00	Per day	₹	6.22		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	13.14		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	13.14		
								₹	**202.64**	per Sq.mtr.	
		(e)	***Royalty & Carriage***								
			(i)Sand	0.021	Cum	387.07	Per Cum.		8.13		
			(ii)Cement	0.0744	Qntl.	16.17	Per Qntl.		1.20		
									211.97		
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)				2.12		

								214.09		
			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	46.90	46.90	46.90	46.90	46.90	46.90	46.90
			Labour Cost	138.80	142.96	147.25	151.67	156.22	160.91	165.73
			Add Overhead Charges @ 7.5%	13.23	13.54	13.86	11.28	11.62	11.96	12.32
			Add Contractor Profit @ 7.5%	13.23	13.54	13.86	11.28	11.62	11.96	12.32
				212.15	**216.94**	**221.87**	**221.12**	**226.35**	**231.73**	**237.28**
			Add Labour Cess @ 1%	**2.12**	**2.17**	**2.22**	**2.21**	**2.26**	**2.32**	**2.37**
				214.27	**219.11**	**224.09**	**223.33**	**228.61**	**234.05**	**239.65**
			OUTSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	46.90	46.90	46.90	46.90	46.90	46.90	46.90
			Labour Cost	138.80	145.74	153.03	160.68	168.71	177.15	186.01
			Add Overhead Charges @ 7.5%	13.23	13.75	14.29	11.95	12.54	13.17	13.83
			Add Contractor Profit @ 7.5%	13.23	13.75	14.29	11.95	12.54	13.17	13.83
				212.15	**220.13**	**228.51**	**231.47**	**240.70**	**250.39**	**260.56**
			Add Labour Cess @ 1%	**2.12**	**2.20**	**2.29**	**2.31**	**2.41**	**2.50**	**2.61**
				214.27	**222.33**	**230.80**	**233.78**	**243.10**	**252.89**	**263.17**
			16 mm thick Cement Plaster(1:6) over brick work or stone masonry (per one Sq. Mtr.)							*X - 14 (Ref :-A/R - 2006, P-105, Item No -14)*
		(a)	**Material**							
			(i)Sand (Screened and washed)	0.018	Cum	46.67	Per Cum.	₹	0.84	
			(ii)Cement (0.003 Cum)	0.043	Qntl.	491.74	Per Qntl.	₹	21.14	
		(b)	**Labour**							
			(i)Mason 2nd Class	0.16	No.s	401.00	Per day	₹	64.16	
			(ii)Man mulia	0.11	No.s	311.00	Per day	₹	34.21	
			(iii)Female Mulia	0.11	No.s	311.00	Per day	₹	34.21	
			(iv)Man mulia for mixing sand and cement in small quantities and watering	0.02	No.s	311.00	Per day	₹	6.22	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	12.06	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	12.06	
								₹	**184.90**	per Sq.mtr.
		(e)	***Royalty & Carriage***							
			(i)Sand	0.018	Cum	387.07	Per Cum.		6.97	
			(ii)Cement	0.043	Qntl.	16.17	Per Qntl.		0.70	
33									**192.57**	per Sq.mtr.
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)				1.93	
									194.49	per Sq.mtr.
			INSIDE PLASTERING	**Gnd Floor**	**First Floor**	**2nd Floor**	**Third Floor**	**4th Floor**	**5th Floor**	**Sixth Floor**
			Material Cost	21.98	21.98	21.98	21.98	21.98	21.98	21.98
			Labour Cost	138.80	142.96	147.25	151.67	156.22	160.91	165.73
			Add Overhead Charges @ 7.5%	12.06	12.37	12.69	13.02	13.37	13.72	14.08
			Add Contractor Profit @ 7.5%	12.06	12.37	12.69	13.02	13.37	13.72	14.08
			Add Carraigeway	7.66	7.66	7.66	7.66	7.66	7.66	7.66
				192.57	**197.35**	**202.29**	**207.37**	**212.60**	**217.99**	**223.54**
			Add Labour Cess @ 1%	**1.93**	**1.97**	**2.02**	**2.07**	**2.13**	**2.18**	**2.24**
				194.49	**199.33**	**204.31**	**209.44**	**214.72**	**220.17**	**225.78**
			OUTSIDE PLASTERING	**Gnd Floor**	**First Floor**	**2nd Floor**	**Third Floor**	**4th Floor**	**5th Floor**	**Sixth Floor**
			Material Cost	21.98	21.98	21.98	21.98	21.98	21.98	21.98
			Labour Cost	138.80	145.74	153.03	160.68	168.71	177.15	186.01
			Add Overhead Charges @ 7.5%	12.06	12.37	12.69	13.02	13.37	13.72	14.08
			Add Contractor Profit @ 7.5%	12.06	12.37	12.69	13.02	13.37	13.72	14.08
			Add Carraigeway	21.38	21.38	21.38	21.38	21.38	21.38	21.38
				206.28	**213.85**	**221.78**	**230.09**	**238.81**	**247.95**	**257.53**
			Add Labour Cess @ 1%	**2.06**	**2.14**	**2.22**	**2.30**	**2.39**	**2.48**	**2.58**
				208.34	**215.99**	**223.99**	**232.39**	**241.20**	**250.43**	**260.10**
			Finishing walls with water proofing **cement paint** of approved shade on new work **TWO coats** to give an even shade including cost of brushes and putty including cost of paint. (per one Sq. Mtr.) **(Data per 10 Sqm.) INCLUDING COST OF MATERIAL &Labour**							*IX - 18 (Ref :-A/R - 2006, P-98, Item No -18)*
		(a)	***Material***							
			(i)Paint	2.5	Ltr	34.65	Per Ltr	₹	86.63	
		(b)	***Labour***							
			(i)Painter (Special)	0.22	No.s	461.00	Per day	₹	101.42	
			(ii)Man Mulia	0.22	No.s	311.00	Per day	₹	68.42	
			(iii)Man Mulia for preparation of surface	0.1	No.s	311.00	Per day	₹	31.10	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	21.57	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	21.57	
								₹	**330.70**	per 10 Sq.mtr.
		(e)	***Add Labour Cess @ 1%***	1%				₹	3.31	
								₹	**334.01**	per 10Sq.mtr.
34							Rate per Sqm	₹	**33.40**	per Sq.mtr.

			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	8.66	8.66	8.66	8.66	8.66	8.66	8.66
			Labour Cost	20.09	20.70	21.32	21.96	22.62	23.29	23.99
			Add Overhead Charges @ 7.5%	2.14	2.19	2.24	2.28	2.33	2.38	2.43
			Add Contractor Profit @ 7.5%	2.14	2.19	2.24	2.28	2.33	2.38	2.43
				33.05	**33.74**	**34.45**	**35.19**	**35.94**	**36.72**	**37.53**
			Add Labour Cess @ 1%	**0.33**	**0.34**	**0.34**	**0.35**	**0.36**	**0.37**	**0.38**
				33.38	**34.08**	**34.80**	**35.54**	**36.30**	**37.09**	**37.90**
			OUTSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	8.66	8.66	8.66	8.66	8.66	8.66	8.66
			Labour Cost	20.09	21.10	22.15	23.26	24.42	25.65	26.93
			Add Overhead Charges @ 7.5%	2.14	2.22	2.30	2.38	2.47	2.56	2.65
			Add Contractor Profit @ 7.5%	2.14	2.22	2.30	2.38	2.47	2.56	2.65
				33.05	**34.20**	**35.41**	**36.68**	**38.02**	**39.42**	**40.90**
			Add Labour Cess @ 1%	**0.33**	**0.34**	**0.35**	**0.37**	**0.38**	**0.39**	**0.41**
				33.38	**34.54**	**35.77**	**37.05**	**38.40**	**39.82**	**41.31**
			Distempering two coats to walls with distemper of approved shade on **new work** to give an even shade (per one Sq. Mtr.) **(Data for 10 sqm.) INCLUDING COST OF MATERIAL & Labour**							*IX - 22 (Ref :-A/R - 2006, P-99, Item No -22)*
		(a)	***Material***							
			(i)cost of distemper	2.5	Kg.	51.18	Per Kg	₹	127.95	
		(b)	***Labour***							
			(i)Painter (Special)	0.52	No.s	461.00	Per day	₹	239.72	
			(ii)Man Mulia	0.52	No.s	311.00	Per day	₹	161.72	
			(iii)Man Mulia for preparation of surface	0.1	No.s	311.00	Per day	₹	31.10	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	42.04	
35		*(d)*	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	42.04	
								₹	**644.56**	per 10 Sq.mtr.
		(e)	***Add Labour Cess @ 1%***	1%				₹	6.45	
								₹	**651.01**	per 10Sq.mtr.
							Rate per Sqm	₹	**65.10**	per Sq.mtr.
			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	12.80	12.80	12.80	12.80	12.80	12.80	12.80
			Labour Cost	43.25	44.55	45.89	47.26	48.68	50.14	51.65
			Add Overhead Charges @ 7.5%	4.18	4.27	4.37	4.48	4.58	4.69	4.80
			Add Contractor Profit @ 7.5%	4.18	4.27	4.37	4.48	4.58	4.69	4.80
				64.41	**65.90**	**67.43**	**69.01**	**70.64**	**72.32**	**74.05**
			Add Labour Cess @ 1%	**0.64**	**0.66**	**0.67**	**0.69**	**0.71**	**0.72**	**0.74**
				65.05	**66.55**	**68.11**	**69.70**	**71.35**	**73.04**	**74.79**
			Finishing plastered surface of walls with **plaster of paris** & making smooth to receive painting (per one Sq. Mtr.) **(Data for 10 sqm.) INCLUDING COST OF MATERIAL &Labour**							*IX - 23 (Ref :-A/R - 2006, P-100, Item No -23)*
		(a)	***Material***							
			(i)cost of Plaster of paris	0.166	Kg.	94.50	Per Kg	₹	15.69	
		(b)	***Labour***							
			(i)Painter 2nd class	0.5	No.s	401.00	Per day	₹	200.50	
			(ii)Man Mulia	0.5	No.s	311.00	Per day	₹	155.50	
			(iii)Man Mulia for preparation of surface	0.07	No.s	311.00	Per day	₹	21.77	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	29.51	
36		*(d)*	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	29.51	
								₹	**452.48**	per 10 Sq.mtr.
		(e)	***Add Labour Cess @ 1%***	1%				₹	4.52	
								₹	**457.00**	per 10Sq.mtr.
							Rate per Sqm	₹	**45.70**	per Sq.mtr.
			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	1.57	1.57	1.57	1.57	1.57	1.57	1.57
			Labour Cost	37.78	38.91	40.08	41.28	42.52	43.79	45.11
			Add Overhead Charges @ 7.5%	2.93	3.01	3.10	3.19	3.28	3.37	3.47
			Add Contractor Profit @ 7.5%	2.93	3.01	3.10	3.19	3.28	3.37	3.47
				45.20	**46.50**	**47.84**	**49.22**	**50.65**	**52.11**	**53.62**
			Add Labour Cess @ 1%	**0.45**	**0.47**	**0.48**	**0.49**	**0.51**	**0.52**	**0.54**
				45.65	**46.97**	**48.32**	**49.72**	**51.15**	**52.63**	**54.16**
			Wall painting **TWO** coats with **plastic emulsion paint** of approved shade on new work to give an even shade including cost of brushes and putty including cost of paint. (per one Sq. Mtr.) (Data per 10 Sqm.) **INCLUDING COST OF MATERIAL &Labour**							*IX - 20 (Ref :-A/R - 2006, P-99, Item No -20)*
		(a)	***Material***							
			(i)Paint	1.25	Ltr.	187.40	Per Ltr	₹	234.25	
		(b)	***Labour***							
			(i)Painter (Special)	0.54	No.s	461.00	Per day	₹	248.94	
			(ii)Man Mulia	0.54	No.s	311.00	Per day	₹	167.94	

			(iii)Man Mulia for preparation of surface	0.1	No.s	311.00	Per day	₹	31.10	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	51.17	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	51.17	
								₹	**784.56**	per 10 Sq.mtr.
		(e)	***Add Labour Cess @ 1%***	1%				₹	7.85	
								₹	**792.41**	per 10Sq.mtr.
37							Rate per Sqm	₹	**79.24**	per Sq.mtr.
			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	23.43	23.43	23.43	23.43	23.43	23.43	23.43
			Labour Cost	44.80	46.14	47.53	48.95	50.42	51.93	53.49
			Add Overhead Charges @ 7.5%	5.09	5.19	5.29	5.40	5.51	5.62	5.74
			Add Contractor Profit @ 7.5%	5.09	5.19	5.29	5.40	5.51	5.62	5.74
				78.40	**79.95**	**81.54**	**83.18**	**84.86**	**86.60**	**88.39**
			Add Labour Cess @ 1%	**0.78**	**0.80**	**0.82**	**0.83**	**0.85**	**0.87**	**0.88**
				79.19	**80.75**	**82.35**	**84.01**	**85.71**	**87.47**	**89.27**
			OUTSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	23.43	23.43	23.43	23.43	23.43	23.43	23.43
			Labour Cost	44.80	47.04	49.39	51.86	54.45	57.17	60.03
			Add Overhead Charges @ 7.5%	5.09	5.26	5.43	5.62	5.81	6.01	6.22
			Add Contractor Profit @ 7.5%	5.09	5.26	5.43	5.62	5.81	6.01	6.22
				78.40	**80.98**	**83.68**	**86.52**	**89.49**	**92.62**	**95.91**
			Add Labour Cess @ 1%	**0.78**	**0.81**	**0.84**	**0.87**	**0.89**	**0.93**	**0.96**
				79.19	**81.79**	**84.52**	**87.38**	**90.39**	**93.55**	**96.87**
			Finishing wall surface of walls with **Acrylic wall putty** (Water based) of approved make and finished smooth and even surface to							*XVIII - 2*
		(a)	***Material***							
			(i)Cement based Putty	8	Kg.	30.00	Per Kg	₹	240.00	
		(b)	***Labour***							
			(i)Painter 2nd class	0.5	No.s	401.00	Per day	₹	200.50	
			(ii)Man Mulia	0.5	No.s	311.00	Per day	₹	155.50	
			(iii)Man Mulia for preparation of surface	0.07	No.s	311.00	Per day	₹	21.77	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	46.33	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	46.33	
								₹	**710.44**	per 10 Sq.mtr.
38		(e)	***Add Labour Cess @ 1%***	1%				₹	7.10	
								₹	**717.54**	per 10 Sq.mtr.
							Rate per Sqm	₹	**71.75**	per Sq.mtr.
			INSIDE	*Gnd Floor*	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*
			Material Cost	24.00	24.00	24.00	24.00	24.00	24.00	24.00
			Labour Cost	37.78	38.91	40.08	41.28	42.52	43.79	45.11
			Add Overhead Charges @ 7.5%	4.61	4.69	4.78	4.87	4.96	5.06	5.15
			Add Contractor Profit @ 7.5%	4.61	4.69	4.78	4.87	4.96	5.06	5.15
				71.00	**72.30**	**73.64**	**75.02**	**76.44**	**77.91**	**79.42**
			Add Labour Cess @ 1%	**0.71**	**0.72**	**0.74**	**0.75**	**0.76**	**0.78**	**0.79**
				71.71	**73.02**	**74.37**	**75.77**	**77.21**	**78.69**	**80.21**
			25 mm A.S Flooring in C.C.(1:2:4) including punning using 12-20 mm H.G. chips. (Per one Sq.Mtr.)							*VIII - 2 (Ref :-A/R - 2006, P-84, Item No -2)*
		(a)	***Material***							
			(i)H.B. Granite chips (12 mm, screened)	0.023	Cum	1047.62	Per Cum.	₹	24.10	
			(ii)Sand (screened and washed)	0.012	Cum	46.67	Per Cum.	₹	0.56	
			(iii)Cement (0.006 Cum)	0.0858	Qntl	491.74	Per Qntl.	₹	42.19	
		(b)	***Labour***							
			(i)Mason Special	0.13	No.s	461.00	Per day	₹	59.93	
			(ii)Man mulia	0.11	No.s	311.00	Per day	₹	34.21	
			(iii)Female Mulia	0.22	No.s	311.00	Per day	₹	68.42	
			(iv)Man mulia for mixing chips, cement and sand in small quantity and watering	0.03	No.s	311.00	Per day	₹	9.33	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	17.91	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	17.91	
39								₹	**274.55**	per Sq.mtr.
		(e)	***Royalty & Carriage***							
			(i)Granite metal	0.023	Cum	631.67	Per Cum.	₹	14.53	
			(ii)Sand	0.012	Cum	387.07	Per Cum.	₹	4.64	
			(iii)Cement	0.0858	Qntl	16.17	Per Qntl.	₹	1.39	
								₹	**295.11**	per Sq.mtr.
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	2.95	
								₹	**298.06**	per Sq.mtr.
				Gnd Floor	***1st Floor***	***2nd Floor***	***3rd Floor***	***4th Floor***	***5th Floor***	***6th Floor***
			Material Cost	66.85	66.85	66.85	66.85	66.85	66.85	66.85
			Labour Cost	171.89	180.48	189.51	198.98	208.93	219.38	230.35
			Add Overhead Charges 7.5%	17.91	18.55	19.23	14.80	15.54	16.31	17.13
			Add Contractor Profit @ 7.5 %	17.91	18.55	19.23	14.80	15.54	16.31	17.13
			Add Caarraigeway	20.56	20.56	20.56	20.56	20.56	20.56	20.56

				295.11	**304.99**	**315.37**	**315.98**	**327.41**	**339.41**	**352.01**	
			Add Labour Cess @ 1%	2.95	3.05	3.15	3.16	3.27	3.39	3.52	
				298.06	**308.04**	**318.52**	**319.14**	**330.69**	**342.81**	**355.53**	
40			25 mm thick **Damp Proof Course** with C.C.(1:2:4) using 12 mm size Hand broken granite chips. (per one Sq. Mtr.)							*VIII - 20 (Ref :-A/R - 2006, P-91, Item No -20)*	
		(a)	***Material***								
			(i) Hand broken Granite chips 12 mm	0.023	Cum	1047.62	Per Cum.	₹	24.10		
			(ii)Sand (Screened & Washed)	0.012	Cum	46.67	Per Cum.	₹	0.56		
			(iii)Cement	0.0754	Qntl.	491.74	Per Qntl.	₹	37.08		
		(b)	***Labour***								
			(i)Mason Special	0.103	No.s	461.00	Per day	₹	47.48		
			(ii)Man mulia	0.33	No.s	311.00	Per day	₹	102.63		
			(iii)Man mulia for mortar	0.03	No.s	311.00	Per day	₹	9.33		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	11.85		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	11.85		
								₹	**244.88**	per Sq.mtr.	
		(e)	***Royalty & Carriage***								
			Granite chips 12 mm	0.023	Cum	631.67	Per Cum.	₹	14.53		
			Sand	0.012	Cum	387.07	Per Cum.	₹	4.64		
			Cement	0.0754	Qntl	16.17	Per Qntl.	₹	1.22		
								₹	**265.28**		
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	2.65		
								₹	**267.93**	per Sq.mtr.	
41			Supplying, fitting and fixing **vitrified tile 60x60cm colour printed 8 to 10 mm thick** in floors of approved make confirming to IS :							*XVIII - 1*	
		(a)	***Material***								
			(i)Cost of Tile	10	Sqm.	519.69	Per Sqmt.	₹	5196.90		
			(ii)Cost of Polymer modified adhesive	54	Sqm.	20.00	Per KG.	₹	1080.00		
			(iii)White Cement	0.076	Qntl.	1496.09	Per Qntl	₹	113.70		
		(b)	***Labour***								
			(i)Mason Special	2.16	No.s	461.00	Per day	₹	995.76		
			(ii)Man mulia	2.16	No.s	311.00	Per day	₹	671.76		
		(c)	***Add Overhead Charges 7.5%***	7.50%	on (a+b)			₹	604.36		
		(d)	***Add Contractor Profit @ 7.5 %***	7.50%	on (a+b)			₹	604.36		
								₹	**9266.84**		
		(e)	***Royalty & Carriage***								
			(i)Carriage of White Cement	0.076	Qntl.	16.172	Per Qntl	₹	1.23		
			(ii)Carriage of Tile	0.0754	Qntl.	967.27	Per Qntl.	₹	37.08		
									9305.15	per 10 Sqm	
						Rate per Sq.Mt.		₹	**930.51**	per 1 Sqm	
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	9.31		
								₹	**939.82**	per 1 Sqm	
				Gnd Floor	*1st Floor*	*2nd Floor*	*3rd Floor*	*4th Floor*	*5th Floor*	*6th Floor*	
			Material Cost	639.06	639.06	639.06	639.06	639.06	639.06	639.06	
			Labour Cost	166.75	175.09	183.84	193.04	202.69	212.82	223.46	
			Add Overhead Charges 7.5%	60.44	61.06	61.72	62.41	63.13	63.89	64.69	
			Add Contractor Profit @ 7.5 %	60.44	61.06	61.72	62.41	63.13	63.89	64.69	
			Carriage of Tile & Cement	3.83	3.83	3.83	3.83	3.83	3.83	3.83	
				930.51	**940.10**	**950.17**	**960.74**	**971.84**	**983.50**	**995.73**	
			Add Labour Cess @ 1%	9.31	9.40	9.50	9.61	9.72	9.83	9.96	
				939.82	**949.50**	**959.67**	**970.35**	**981.56**	**993.33**	**1005.69**	

			Providing and fixing of Side hung Door of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick"D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyster paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and shutter being of 46 x 46 mm and lock rail and bottom rail should be of 23 x 130mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle and lock of approved quality. Hinges made up of 2.5mm thick. Gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The sections are to be cut to length ,mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and board to be of 9mm pre-laminated with all taxes complete. Data for 1.74 Sqm.								
			a) Material								
42	XXIII, S.No. 16, pg 97		Outer Frames Po-527	mtr	5.339	317.76	1696.52				
			Sashbar Po-101	mtr	1.525	497.83	759.19				
			Shutter Frame Po-153	Mtr	6.102	265.9	1622.52				
			Total				4078.23				
			b) Accessories								
			Outer frame corner	Nos.	2	41.49	82.98				
			Side hung door/PC	Nos.	1	391.3	391.30				
			Door lock/PC	Nos.	1	348.87	348.87				
			Sashbar/PC	Nos.	2	16.97	33.94				
			Wall Fixing with polymide anchor at every 600mm C/C of outer frame	Nos.	7	27.34	191.38				
			Total				1048.47				
			c) Gasket								
			For Sashbar Po-101	Mtr	1.525	106.55	162.49				
			For Shutter Po-153	Mtr	6.102	38.65	235.84				
			Total				398.33				
			d) Board								
			Cost of 9mm Prelaminated board	Smtr	1.74	518.6	902.36				
			Total (a+b+c+d)				6427.40				
			e) Labour								
			Labour for fixing for 1.74 Smtr.								
			High skilled	day	1.87	461	856.46				
			Semi skilled	day	1.87	351	650.76				
			Total				1507.22				
			f) Total (a+b+c+d+e)				7934.62				
			g) Overhead Charges @ 15 % on (f)				1190.19				
			Total (f+g)/1.74=				5244.14				
			Total Rate Per sqm				5244.14				

43	XXIII, S.No. 17, pg 98		Providing and fixing of Swing Door of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick"D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyster paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the sizes of outer frame being of 33 x 57mm and shutter being of 46 x 52 mm and 46 x 46 mm and lock rail should be of 23 x 130mm. Accessories / gaskets are to be used as per the manufacturer's supply and specification like handle, lock and floor spring of approved quality. Gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The sections are to be cut to length ,mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 6 mm clear with all taxes complete. Data for 4.18 Sqm.								
			a) Material								
			Outer Frames Po-527	mtr	12.2	317.76	3876.67				
			Shutter Frame Po-153	Mtr	12.2	265.9	3243.98				
			33 x 57 Box section	Mtr	8.5	321.52	2732.92				
			Fixed beading Po-179	Mtr	7.9	132.95	1050.31				
			Sashbar Po-101	mtr	3	497.83	1493.49				
			Total				12397.37				
			b) Accessories								
			Outer frame corner	Nos.	2	41.49	82.98				
			Swing Door Shutter /PC	Nos.	2	195.18	390.36				
			Door lock/PC	Nos.	2	348.87	697.74				
			Sashbar/PC	Nos.	4	16.97	67.88				
			Wall Fixing with polymide anchor at every 600mm C/C of outer frame	Nos.	8	27.34	218.72				
			Fixed Glazing	Nos.	1	100.89	100.89				
			Cost of Floor Spring (Godrej Make) with all taxes	Nos.	2	3003.12	6006.24				
			Total				7564.81				
			c) Gasket								
			For Sashbar Po-101	Mtr	3	106.55	319.65				
			For Shutter Po-153	Mtr	12	38.65	463.80				
			Fixed beading Po-179	mtr	7.9	50.92	402.27				
			Total				1185.72				
			d) Glass								
			Cost of 6mm clear glass	Smtr	4.18	538.4	2250.51				
			Total (a+b+c+d)				23398.41				
			e) Labour								
			High skilled	day	4.48	461	2051.84				
			Semi skilled	day	4.48	351	1559.04				
			Total				3610.88				
			f) Total (a+b+c+d+e)				27009.29				
			g) Overhead Charges @ 15 % on (f)				4051.39				
			Total (f+g)/4.18=				7430.78				
			Total Rate Per sqm				7430.78				

44	XXIII, S.No. 15, pg 97		Providing and fixing of Fixed Ventilators of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D" quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with paint specification being with primer of 5-7 microns and finished paint with polyster paint (Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7 microns and the sizes of outer frame being of 46x52 mm and with all vertical and horizontal mullions are of 46x70 mm and fixed beadings are of 18x25 mm. Accessories /gaskets are to be used as per the manufacturer's supply and specification like handle being made of high grade aluminium powder coated and with nylon receiver and gasket will be made of EPDM. All corner brackets are to be made of CRCA with zinc phosphating. The mullion caps and louvered-clips should be of glass filled nylon. The sections are to be cut to length ,mitre joined with corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes complete. Data for 1.40 Sqm.								
			a) Material								
			Outer Frames Po-527	mtr	5.1	317.76	1620.58				
			Intermediate mullion Po-528	mtr	1.5	349.81	524.72				
			Fixed beading Po-179	Mtr	8.2	132.95	1090.19				
			Total				3235.48				
			b) Accessories								
			Outer frame corner	Nos.	4	41.49	165.96				
			Fixed Mullion	Nos.	2	50.92	101.84				
			Fixed Glazing	Nos.	3	100.89	302.67				
			Wall Fixing with polymide anchor at every 600mm C/C of outer frame	Nos.	5	27.34	136.70				
			Total				707.17				
			c) Gasket								
			For Beading Po-179	Mtr	8.2	50.92	417.54				
			Total				417.54				
			d) Glass								
			Cost of 5mm reflective glass	Smtr	1.4	605.33	847.46				
			Total (a+b+c+d)				5207.66				
			e) Labour								
			Labour for fixing for 1.4 Smtr.								
			High skilled	day	1.18	461	540.44				
			Semi skilled	day	1.18	351	410.64				
			Total				951.08				
			f) Total (a+b+c+d+e)				6158.74				
			g) Overhead Charges @ 15 % on (f)				923.81				
			Total (f+g)/1.4=				5058.96				
			Total Rate Per sqm				5058.96				

			Providing and fixing of Sliding windows of approved make to be fabricated from roll formed sections made of pre-painted steel (base steel as per IS-513 of 0.6 mm thick "D"quality, galvanized as per IS-277 with zinc of 120 Gm/Sq.mtr) with total coated thickness of 0.55 mm.Slide guide section should be made of 0.5 mm stainless steel of 430grade. with paint specification being with primer of 5-7 microns thick and finished paint with polyster paint(Black /Pearl white/ Chocolate Brown) of 12-16 microns alongwith the alkyd backer at the back of 5-7microns and the Sections for external frame bottom and top should be of 79 x 45 mm. external frame sides should be of 69 x 24 mm, guide for top and bottom should be of 69 x 26mm (Stainless Steel). Section for shutter should be of 26 x 30 mm,Sash bar should be of 23 x 57mm.Accessories / gaskets are to be used as per the manufacturer's supply and specification like gasket will be made of EPDM. All corner brackets for internal and external are to be made of glass filled nylon. The sections are to be cut to length , joined and assembled by means of corner bracket and frames are fixed to the concrete/masonry walls by means of self expanding screws and glass to be used of 5 mm reflective with all taxes								
	XXIII,		a) Material								
45	S.No. 12,		Outer Frames (side/top) Po-255	mtr	4.575	198	905.85				
	pg 95		Outer Frames (bottom) Po-256	mtr	1.525	134.83	205.62				
			Sliding Shutter Po-254	mtr	9.15	163.12	1492.55				
			sliding Track (SS) Po-257	mtr	3.05	526.08	1604.54				
			Sash bar at shutter Po-107	mtr	1.525	272.5	415.56				
			Total				4624.12				
			b) Accessories								
			Sliding outer frame assembly/Pc	Nos.	1	252.7	252.70				
			Sliding shutter /Pc	Nos.	2	312.1	624.20				
			Sash Bar	Nos.	2	16.97	33.94				
			Wall Fixing with polymide anchor at every 600mm C/C of outer frame	Nos.	10	27.34	273.40				
			Total				1184.24				
			c) Gasket								
			For Shutter	Mtr	9.15	38.65	353.65				
			Total				353.65				
			d) Glass								
			Cost of 5mm reflective glass	Smtr	2.32	605.33	1404.37				
			Total (a+b+c+d)				7566.37				
			e) Labour								
			Labour for fixing for 1.4 Smtr.								
			High skilled	day	2.49	461	1140.42				
			Semi skilled	day	2.49	351	866.52				
			Total				2006.94				
			f) Total (a+b+c+d+e)				9573.31				
			g) Overhead Charges @ 15 % on (f)				1436.00				
			Total (f+g)/2.32=				4745.39				
			Total Rate Per sqm				4745.39				
			Supplying, fittin and fixing of stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe								
			Data for 3.26 Rmt. / 34.16 kg								
			Railing -50mm outer dia of 2mm thick 3.26 rmt. @3.50kg/mtr		11.41	211.41	kg	Rs	2412.20		
			₹240.24 - ₹9.24 = ₹231.00								
			Balustrade of size 32mm x 32mm x 2mm (4x0.90m = 3.60mtr.		6.12	225.83	kg	Rs	1382.05		
			₹256.62 - ₹9.87 = ₹246.75								
			Stainless steel square pipe bracing of size 32mm x 32mm x 2m		16.63	225.83	kg	Rs	3755.48		
			₹256.62 - ₹9.87 = ₹246.75								
			Fabrication		34.16	10	kg	Rs	341.60		
			buffing, polishing etc. 2%					Rs	150.99		
			High skilled labour		0.89	461	Each	Rs	407.62		
46			Semi Skilled labour		0.89	351	Each	Rs	309.72		
			Total					Rs	8759.67		
			Add Overhead Charges	0.075					656.98		
			Add Contractor Profit	0.075					656.98		
									10073.62		
			Rate / Rmt.					Rs	3090.07	per R.mtr.	
								Rs	294.90	Per Kg	
			Add Cess	0.01					2.95		
									297.84		
								Rs	3090.07		
			Add Cess	0.01					30.90		
									3120.97		

47	XII, S.No. 12, pg 54		35 mm thick marble chips flooring of dark light or medium shade rubbed & polished to granolithic finish under layer 25 mm thick C.C.(1:2:4) with 12 mm black hard granite chips and top layer 10 mm thick with marble chips of 4 to 7 mm nominal size laid in cement marble powder mix 3:1(3 cement:1 marble powder by weight) in prop. 4:7(4 cement marble powder mix: 7 marble chips by vulome) **(Per 10 Sq.Mtr.)**								*VIII - 12 (Ref :-A/R - 2006, P-87, Item No -12)*	
		(a)	***Material***								
		Bottom Layer	(i)Granite chips 12 mm	0.23	Cum	1047.62	Per Cum.	₹	240.95		
			(ii)Sand (screened and washed)	0.12	Cum	46.67	Per Cum.	₹	5.60		
			(iii)Cement	0.754	Qntl.	491.74	Per Qntl.	₹	370.77		
		Top Layer	(iv)Marble Chips 4mm to 7mm size	1.4	Qntl.	186.99	Per Qntl.	₹	261.79		
			(v)Cement	0.578	Qntl.	549.57	Per Qntl.	₹	317.65		
			(vi)Marble powder	0.1927	Qntl.	200.00	Per Qntl.	₹	38.54		
		(b)	***Labour***								
		Labour	(i)Mason Special	2.3	No.s	461.00	Per day	₹	1060.30		
			(ii)Man mulia	4.65	No.s	311.00	Per day	₹	1446.15		
			(iii)Semi skilled Mulia	10.8	No.s	351.00	Per day	₹	3790.80		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	564.94		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	564.94		
								₹	**8662.44**		
		(e)	***Royalty & Carriage***								
			(i)Granite chips 12 mm	0.23	Cum	631.67	Per Cum.	₹	145.28		
			(ii)Sand	0.12	Cum	387.07	Per Cum.	₹	46.45		
			(iii)Cement	0.754	Qntl.	16.17	Per Qntl.	₹	12.19		
			(iv)Marble Chips	1.4	Qntl.	16.17	Per Qntl.	₹	22.64		
			(v)Cement	0.578	Qntl.	16.17	Per Qntl.	₹	9.35		
			(vi)Marble powder	0.1927	Qntl.	16.17	Per Qntl.	₹	3.12		
								₹	**239.03**		
						Rate per Sq. Mtr.		₹	**890.15**	per Sq.mtr.	
						Add for wax Polishing		₹	8.50		
								₹	**898.65**	per Sq.mtr.	
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	8.99		
								₹	**907.63**	per Sq.mtr.	
48			Fixing tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete excluding cost of precast tiles. per 1 sqm (Data for 10 sq.mt.)							*VIII - 17 (Ref :-A/R - 2006, P-90, Item No -17)*	
		(a)	***Material***								
			(i)Sand for Mortar (screened & washed)	0.15	Cum	46.67	Per Cum.	₹	7.00		
			(ii)Cement	0.715	Qntl.	491.74	Per Qntl.	₹	351.59		
			(iii)Cement for slurry	0.66	Qntl.	491.74	Per Qntl.	₹	324.55		
		(b)	***Labour***								
			(i)Mason Special	3.25	No.s	461.00	Per day	₹	1498.25		
			(ii)Man mulia	3.25	No.s	311.00	Per day	₹	1010.75		
			(iii)Semi Skilled Mulia	7.6	No.s	351.00	Per day	₹	2667.60		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	439.48		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	439.48		
									6738.70		
			Add Wax Polishing	10	Sqm	8.5		₹	85.00		
		(e)	***Royalty & Carriage***								
			(ii)Sand for Mortar	0.15	Cum	387.07	Per Cum.	₹	58.06		
			(iii)Cement	0.715	Qntl.	16.17	Per Qntl.	₹	11.56		
			(iv)Cement	0.66	Qntl.	16.17	Per Qntl.	₹	10.67		
								₹	**6904.00**	per 10 Sqm	
						Rate per Sq.Mt.		₹	**690.40**	per Sqm	
		(f)	***Add Labour Cess @ 1%***	1%				₹	6.90		
								₹	**697.30**	per Sqm	
49	XVI, S.No. 3, pg 67		32mm Teak wood panelled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect. But excluding the cost of iron fittings. Per 1Sqm Data for a doors 1.5m x 2.70m								
			a) Material								
			Area of shutters 1.425 × 2.625 m = 3.74 sqm								
			Piasal wood planks for shutters	cum	0.0315	47046.00	1481.95				
			Bamboo for screen	Nos.	4	117.50	470.00				
			Heavy duty hinge,patented,grease free ball bearing technology,loading capacity 50 kg/pair.	pair	6	1228	7368.00				
			Total				9319.95				
			b) Labour								
			Labour for making shutters								
			Carpenter Special	day	2	461	916.00				
			Helper	day	2	311	616.00				
			Labour for fixing shutters								
			Carpenter 2nd class	day	1	401	401.00				

			Mulia	day	1	351	351.00				
			Total				2278.00				
			Total (a+b)				11597.95				
			c) Overhead Charges @ 15 % on (a+b)				1739.69				
			Total (a+b+c)/3.74=				3566.21				
			Total Rate Per sqm				3566.21				
50	XVI, S.No. 3, pg 67		Supplying, fitting, fixing up window (sliding type) made up aluminum Section 151-154,151-155, as windows frame section No. 151-155, 151-153 and 151-167 as shutter frame with 12mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc.complete as per direction of Engineer-incharge. Data for 4'-0" x 12'-0" = 48 Sft or 4.46 Sqm								
			a) Material								
			Al. Section Appropriate 7.32 m @ 2.5 kg/m =18.30	kg	18.30						
			Top & Bottom Appropriate 2.44 m @ 2.5 kg/m =6.10 kg	kg	6.10						
			Inter Lock Appropriate 7.32 m @ 2.5 kg/m =18.30 kg	kg	18.30						
			Al. Appropriate 2.44 m @ 2.5 kg/m =6.10 kg	kg	6.10						
			H. Section Appropriate 7.32 m @ 2.5 kg/m =18.30 kg	kg	18.30						
			Westage10%	10%	6.71						
			Total		73.81	243.26	17955.02				
			PVC plug	Nos.	8.00	10	80.00				
			Al. Screws of different sizes	L.S.			50.00				
			U rubber beading	mtr	19.52	35	683.20				
			12mm thick black glass	sqm	4.46						
			Westage10%	10%	0.45						
			Total	sqm	4.91	1843.36	9043.52				
			Al. wheel runner	Nos.	8.00	220	1760.00				
			Handle with lock	Nos.	2.00	149	298.00				
			Hire charges of drills machine	day	1.00	227.12	227.12				
			Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	2.50	456.3	1140.75				
			Total				31237.61				
			b) Labour								
			Carpenter 1st class	day	21.32	461	9764.56				
			Mulia	day	21.32	351	7419.36				
			Total				17183.92				
			Total (a+b)				48421.53				
			c) Overhead Charges @ 10 % on (a+b)				4842.15				
			Total (a+b+c)/4.46=				11942.53				
			Total Rate Per sqm				11942.53				
51			Reinforced Cement concrete work of M-20 grade concrete with 20 mm down graded crusher broken hard granite chips (per Cum)							*IV - 04*	
			Data per 15 cum.								
		(a)	***Material***								
			(i)Granite chips 10 mm	5.4	Cum @ ₹	1066.67	Per Cum.	₹	5760.02		
			(ii)Granite chips 20 mm	8.1	Cum @ ₹	1007.62	Per Cum.	₹	8161.72		
			(iii)Sand	6.75	Cum @ ₹	46.67	Per Cum.	₹	315.02		
			(iv)Cement	52.1	Qntl @ ₹	491.74	Per Qntl.	₹	25619.65		
		(b)	***Labour***								
			(i)Mason 2 nd Class	1.5	No. @ ₹	401.00	Per day	₹	601.50		
			(ii)Mate	0.86	No. @ ₹	351.00	Per day	₹	301.86		
			(iii)Female Mulia	20	No. @ ₹	311.00	Per day	₹	6220.00		
		(c)	***Machinery***								
			(i)Concrete Mixer	6	Hour @ ₹	153.91	Per Hour	₹	923.46		
			(ii)Generator 33KV	6	Hour @ ₹	208.70	Per Hour	₹	1252.20		
		(d)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b+c)			₹	3686.66		
		(e)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b+c)			₹	3686.66		
						Rate per 15 Cum		₹	**56528.75**		
		(f)	***Royalty & Carriage***								
			(i)Granite chips 10 mm	5.4	Cum @ ₹	631.67	Per Cum.		3411.02		
			(ii)Granite chips 20 mm	8.1	Cum @ ₹	631.67	Per Cum.		5116.53		
			(iii)Sand	6.75	Cum @ ₹	387.07	Per Cum.		2612.72		
			(iv)Cement	52.1	Qntl @ ₹	16.17	Per Qntl.		842.56		
							Rate per 15 Cum		**68511.58**	per 15 cum	
							Rate per Cum		**4567.44**	per cum	
		(g)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e+f)				45.67		
			Best thatched roofing 22.5cm in two layers 7.5cm bottom layer and 15cm top layers including split bamboo jaffry on top per 1 sqm. Data for 9.3 sqm								

52	XV, S.No. 40, pg 65		a) Material								
			Bundle of thatch 30 cm girth	100. nos	3.5	221.58	775.53				
			2.5cm to 4cm dia bamboos for jaffry on top and bottom of thatch layers	100 Nos	0.18	105	18.90				
			Total				794.43				
			b) Labour								
			Man Mulia	day	2	351	696.00				
			Thatcher of Gharami	day	1.5	401	597.00				
			Total				1293.00				
			Total (a+b)				2087.43				
			c) Overhead Charges @ 15 % on (a+b)				313.11				
			Total (a+b+c)/9.3=				258.12				
			Total Rate Per sqm				258.12				
53	XV, S.No. 37, pg 65		New bamboo frames made of 2.5cm to 4cm dia bamboo for nuria tile roofing for single and double layers per 1 Sqm. Data for 9.30 Sqm								
			a) Material								
			2.5cm to 4cm dia 1st class bamboosn(4.15 meters each av) or say 70 Nos	100. nos	0.7	105	73.50				
			5cm long french reapers nailss	kg	1.36	89.78	122.10				
			Total				195.60				
			b) Labour								
			Man Mulia	day	1.5	351	522.00				
			Total				522.00				
			Total (a+b)				717.60				
			c) Overhead Charges @ 15 % on (a+b)				107.64				
			Total (a+b+c)/9.3=				88.74				
			Total Rate Per sqm				88.74				
54	XII, S.No. 21, pg 56		32mm. thick red oxide flooring, under layer of 25mm. thick C.C. (1:2:4) with 12mm. Size granite chips and top layer of 6mm. Thick plaster cement red oxide mix, using 3.5kg. Of red oxide per 50kg. of cement 1:3 finished with a floating coat of cement and oxide mix of same proportion: Per 1 Sqm (Data for 10 Sqm.)								
			a) Material								
			chips 0.23 Cum.	cum	0.23	1160.66	266.95				
			Sand (Screened & washed)	cum	0.12	46.67	5.60				
			Cement	quintal	0.754	491.74	370.77				
			6mm. Colour topping								
			Cement	quintal	0.357	500	178.50				
			Sand (Screened & washed)	cum	0.075	46.67	3.50				
			Cement for floating coat	quintal	0.114	491.74	56.06				
			Red oxide (3.5kg. Per 50kgs. Of cement)	kg	0.8	7	5.60				
			Total				**886.98**				
			b) Labour								
			Mason special	day	2.7	461	1236.60				
			Semi-skilled mulia helper	day	8.56	351	2978.88				
			Mulia	day	1.5	311	462.00				
			Total				**4677.48**				
			Total (a+b)				5564.46				
			c) Overhead Charges @ 15 % on (a+b)				834.67				
			Total (a+b+c)/10=				639.91				
			Total Rate Per sqm				639.91				
55			Fixing tiles / marbels in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1(1cement : 1sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete excluding cost of precast tiles etc. (Data for 10 sq.mt.)							*VIII - 16 (Ref :-A/R - 2006, P-89, Item No -16)*	
		(a)	***Material***								
			(i)Sand for Mortar (screened & washed)	0.13	Cum	46.67	Per Cum.	₹	6.07		
			(ii)Cement (0.13 Cum)	1.857	Qntl.	491.74	Per Qntl.	₹	913.16		
			(iii)Cement for slurry at the rate of 4.4kg/Sqm	0.44	Qntl.	491.74	Per Qntl.	₹	216.37		
			(iv)Cement for grouting	0.44	Qntl.	491.74	Per Qntl.	₹	216.37		
			(v)Cost of Granite tile	10	Sqm	1637.8	Per Sqm.	₹	16378.00		
		(b)	***Labour***								
			(i)Mason Special	2.16	No.s	461.00	Per day	₹	995.76		
			(ii)Man mulia	2.16	No.s	311.00	Per day	₹	671.76		
			(iii)Semi Skilled Mulia	5.5	No.s	351.00	Per day	₹	1930.50		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	1599.60		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)				1599.60		
								₹	**24527.18**		
			Add Wax Polishing	10	Sqm	8.50	Per Sqm.	₹	85.00		
		(e)	***Royalty & Carriage***								
			(i)Carriage of Tile	1	Sqm	967.27	180Sqm	₹	53.74		

			(ii)Sand for Mortar	0.13	Cum	387.07	Per Cum.	₹	50.32	
			(iii)Cement	1.857	Qntl.	16.17	Per Qntl.	₹	30.03	
			(iv)Cement	0.44	Qntl.	16.17	Per Qntl.	₹	7.12	
			(v)Cement	0.44	Qntl.	16.17	Per Qntl.	₹	7.12	
								₹	**24760.50**	per 10 Sq.mtr.
						Rate per Sq.Mt.		₹	**2476.05**	per Sq.mtr.
		(f)	***Add Labour Cess @ 1%***	1%				₹	24.76	
								₹	**2500.81**	per Sq.mtr.
			Fixing tiles / marbels in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1(1cement : 1sand) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete excluding cost of precast tiles etc. (Data for 10 sq.mt.)							*VIII - 16 (Ref :-A/R - 2006, P-89, Item No -16)*
		(a)	***Material***							
			(i)Sand for Mortar (screened & washed)	0.13	Cum	46.67	Per Cum.	₹	6.07	
			(ii)Cement (0.13 Cum)	1.857	Qntl.	491.74	Per Qntl.	₹	913.16	
			(iii)Cement for slurry at the rate of 4.4kg/Sqm	0.44	Qntl.	491.74	Per Qntl.	₹	216.37	
			(iv)Cement for grouting	0.44	Qntl.	491.74	Per Qntl.	₹	216.37	
			(v)Cost of Grey Kota Tile	10	Sqm	379.53	Per Sqm.	₹	3795.30	
		(b)	***Labour***							
			(i)Mason Special	2.16	No.s	461.00	Per day	₹	995.76	
			(ii)Man mulia	2.16	No.s	311.00	Per day	₹	671.76	
56			(iii)Semi Skilled Mulia	5.5	No.s	351.00	Per day	₹	1930.50	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	655.90	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)				655.90	
								₹	**10057.07**	
			Add Wax Polishing	10	Sqm	8.50	Per Sqm.	₹	85.00	
		(e)	***Royalty & Carriage***							
			(i)Carriage of Tile	1	Sqm	967.27	180Sqm	₹	53.74	
			(ii)Sand for Mortar	0.13	Cum	387.07	Per Cum.	₹	50.32	
			(iii)Cement	1.857	Qntl.	16.17	Per Qntl.	₹	30.03	
			(iv)Cement	0.44	Qntl.	16.17	Per Qntl.	₹	7.12	
			(v)Cement	0.44	Qntl.	16.17	Per Qntl.	₹	7.12	
								₹	**10290.39**	per 10 Sq.mtr.
						Rate per Sq.Mt.		₹	**1029.04**	per Sq.mtr.
		(f)	***Add Labour Cess @ 1%***	1%				₹	10.29	
								₹	**1039.33**	per Sq.mtr.
			Fixing tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete excluding cost of precast tiles. per 1 sqm (Data for 10 sq.mt.)							*VIII - 17 (Ref :-A/R - 2006, P-90, Item No -17)*
		(a)	***Material***							
			(i)Sand for Mortar (screened & washed)	0.15	Cum	46.67	Per Cum.	₹	7.00	
			(ii)Cement	0.715	Qntl.	491.74	Per Qntl.	₹	351.59	
			(iii)Cement for slurry	0.66	Qntl.	491.74	Per Qntl.	₹	324.55	
			(iv)Cost of Granite tile	10	Sqm	1637.8	Per Sqm.	₹	16378.00	
		(b)	***Labour***							
			(i)Mason Special	3.25	No.s	461.00	Per day	₹	1498.25	
			(ii)Man mulia	3.25	No.s	311.00	Per day	₹	1010.75	
57			(iii)Semi Skilled Mulia	7.6	No.s	351.00	Per day	₹	2667.60	
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	1667.83	
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	1667.83	
									25573.40	
			Add Wax Polishing	10	Sqm	8.5		₹	85.00	
		(e)	***Royalty & Carriage***							
			(i)Carriage of Tile	10	Sqm	967.27	180Sqm	₹	53.74	
			(ii)Sand for Mortar	0.15	Cum	387.07	Per Cum.	₹	58.06	
			(iii)Cement	0.715	Qntl.	16.17	Per Qntl.	₹	11.56	
			(iv)Cement	0.66	Qntl.	16.17	Per Qntl.	₹	10.67	
								₹	**25792.44**	per 10 Sqm
						Rate per Sq.Mt.		₹	**2579.24**	per Sqm
		(f)	***Add Labour Cess @ 1%***	1%				₹	25.79	
								₹	**2605.04**	per Sqm
			Fixing tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete excluding cost of precast tiles. per 1 sqm (Data for 10 sq.mt.)							*VIII - 17 (Ref :-A/R - 2006, P-90, Item No -17)*
		(a)	***Material***							
			(i)Sand for Mortar (screened & washed)	0.15	Cum	46.67	Per Cum.	₹	7.00	
			(ii)Cement	0.715	Qntl.	491.74	Per Qntl.	₹	351.59	
			(iii)Cement for slurry	0.66	Qntl.	491.74	Per Qntl.	₹	324.55	
			(v)Cost of Grey Kota Tile	10	Sqm	379.53	Per Sqm.	₹	3795.30	

		(b)	***Labour***								
			(i)Mason Special	3.25	No.s	461.00	Per day	₹	1498.25		
			(ii)Man mulia	3.25	No.s	311.00	Per day	₹	1010.75		
58			(iii)Semi Skilled Mulia	7.6	No.s	351.00	Per day	₹	2667.60		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	724.13		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	724.13		
									11103.30		
			Add Wax Polishing	10	Sqm	8.5		₹	85.00		
		(e)	***Royalty & Carriage***								
			(i)Carriage of Tile	10	Sqm	967.27	180Sqm	₹	53.74		
			(ii)Sand for Mortar	0.15	Cum	387.07	Per Cum.	₹	58.06		
			(iii)Cement	0.715	Qntl.	16.17	Per Qntl.	₹	11.56		
			(iv)Cement	0.66	Qntl.	16.17	Per Qntl.	₹	10.67		
								₹	**11322.33**	per 10 Sqm	
						Rate per Sq.Mt.		₹	**1132.23**	per Sqm	
		(f)	***Add Labour Cess @ 1%***	1%				₹	11.32		
								₹	**1143.56**	per Sqm	
			Extra Labour for laying tile flooring on stair treads not exceeding 30 cm. in width including cost of forming & nosing etc. (Data for 10 sq.mtr.)							*VIII - 18 (Ref :-A/R - 2006, P-90, Item No -18)*	
		(a)	***Labour***								
			(i)Mason Special	0.3	No.s	461.00	Per day	₹	138.30		
			(ii)Man mulia	0.3	No.s	311.00	Per day	₹	93.30		
59			(iii)Semi Skilled Mulia	0.3	No.s	351.00	Per day	₹	105.30		
		(b)	***Add Overhead Charges 7.5%***	7.50%	on (a)			₹	25.27		
		(c)	***Add Contractor Profit @ 7.5 %***	7.50%	on (a)			₹	25.27		
			Add 5% for T & P Sundries etc.					₹	16.85		
								₹	**404.28**	per 10 Sqm	
						Rate per Sq.Mt.		₹	**40.43**	per 1 Sqm	
		(d)	***Add Labour Cess @ 1%***	1%				₹	0.40		
								₹	**40.83**	per 1 Sqm	
		61	Laterite stone masonry in C.M(1:4) in Foundation & Plinth. **(per one Cum)**							*VII - 18 (Ref :-A/R - 2006, P-80, Item No - 18)*	
		(a)	***Material***								
			(i)Rough dressed Laterite stone	1	Cum	544.76	Per Cum	₹	544.76		
			(ii)Sand (screened & washed)	0.24	Cum	46.67	Per Cum	₹	11.20		
			(iii)Cement	0.858	Qntl.	491.74	Per Qntl.	₹	421.91		
		(b)	***Labour***								
			(i)Stone Dresser or cutter	2.12	No.	461.00	Per day	₹	977.32		
			(ii) Sangi Mulia	1.41	No.	351.00	Per day	₹	494.91		
			(iii) Mason Special	0.175	No.	461.00	Per day	₹	80.68		
			(iv)Mason 2nd Class	1.05	No.	401.00	Per day	₹	421.05		
			(v)Man mulia	1.05	No.	311.00	Per day	₹	326.55		
60	XI, S.No. 3, pg 52		(vi)Man mulia for preparing mortar and curring etc	0.16	No.	311.00	Per day	₹	49.76		
		(c)	***Add Overhead Charges @ 7.5%***	7.50%	on (a+b)			₹	249.61		
		(d)	***Add Contractor Profit @ 7.5%***	7.50%	on (a+b)			₹	249.61		
					Foundation & Plinth			₹	**3827.36**	per cum	
		(e)	***Royalty & Carriage***								
			(i)Laterite stone	1	Cum	681.67	Per Cum	₹	681.67		
			(ii)Sand	0.24	Cum	387.07	Per Cum	₹	92.90		
			(iii)Cement	0.858	Qntl.	16.17	Per Qntl.	₹	13.88		
								₹	**4615.80**		
		(f)	***Add Labour Cess @ 1%***	1%	on (a+b+c+d+e)			₹	38.27		
					Foundation & Plinth			₹	**4654.08**		
					For Superstructure Add			₹	41.90		
			Add Contractor Profit @ 7.5%	7.50%				₹	3.14		
								₹	**4660.84**	per cum	
			Add Labour Cess @ 1%	1%				₹	46.61		
					Superstructure			₹	**4707.45**	per cum	
			Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. Details of cost for 10 cum.								
61	DSR 2019 2.25 pg no.116		a) Labour								
			Mason special	day	0.2	461	92.20				
			Mason second class	day	0.2	401	80.20				

			Man Mulia	day	2.5	311	777.50			
			Total				949.90			
			b) Overhead Charges @ 15 % on (a)				142.49			
			Total (a+b)/10=				109.24			
			Total Rate Per CUM				110.33			
62	DSR 2019 2.27 pg no.118		Filling foundation and plinth with sand watered and rammed (per Cum.)							*I - 15*
			Female Mulia	12.36	No. @ ₹	311.00	Per day		3843.96	
			Sand	100	Cum @ Rs	41.90	Cum		4190.00	
			Add Overhead Charges	7.50%					602.55	
			Add Contractor Profit	7.50%					602.55	
									9239.05	per 100 cum
							Rate per Cum	₹	92.39	
					Add Carriage Royalty of Sand ₹				387.07	Per cum
								₹	**479.46**	Per cum
			Add Cess	1%					**4.79**	
									484.25	Per cum
63	DSR 2019 2.26.1 pg no.118	**26**	Extra lift of 1.5 mtr or part there over the initial lift of 1.50mtr for earth work in all kind of soil embankment & road work							*I - 8*
			Ist extra lift of 1.5mtr (upto 7.5mtr)							
			Man mulia	4.1	No. @ ₹	311.00	Per day		1275.10	
			Add Overhead Charges	7.50%					95.63	
			Add Contractor Profit	7.50%					95.63	
								₹	**1466.37**	per 100 cum
			Add Cess	1%					**14.66**	
									1481.03	per 100 cum
									14.81	per cum
64	DSR 2019 10.26.1 pg no.700		Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube. Detail of cost for 19.49 kg							
			Details of cost for hand rail of railing of two flights of staircase, length of hand rail = 5.40m							
			a) Material							
			M.S. tube 40mm nominal bore (medium) = 5.40m @ 3.6lkg/m= 19.49kg Add wastage @ 5% = 0.97 kg Total = 20.46 kg							
			Mild steel tubes hot finished welded type	kg	20.46	60	1227.60			
			Carriage of Steel 20.46kg = 0.205q	tonne	0.0205	92.24	1.89			
			Priming coat 40mm dia.Tube 5.4x22/7x0.0483 = 0.82 sqm	sqm	0.82	50.7	41.57			
			Welding by electric plant (joints of hand rail and ballustards) 18x4x1.00 = 72cm	cm	72	2	144.00			
			Total				**1415.06**			
			b) Labour							
			Mason special	day	0.35	461	161.35			
			Mason second class	day	1.07	401	429.07			
			Man Mulia	day	0.89	311	276.79			
			Total				**867.21**			
			Total (a+b)				**2282.27**			
			c) Overhead Charges @ 15 % on (a+b)				342.34			
			Total (a+b+c)/19.49=				134.66			
			Total Rate Per kg				**134.66**			
65	DSR 2019 10.18.1.1 pg no.396		Stone work (machine cut edges Veneer work) for wall lining upto 10 m height,backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately).Kota stone slabs exposed face dressed and rubbed.25 mm thick. Details of cost for 10sqm.							
			a) Material							
			25mm thick kota stone slabs = 10 sqm.Add 15% wastage = 1.50 sqm.Total = 11.50 sqm.							
			Kotastone slab 25mm thick (rough cheseled)	sqm	11.5	376.6	4330.90			
			Carriage of Stone blocks white & red sand stone & kota stone slab	tonne	0.67	92.24	61.80			
			Cement mortar 1:3 (1 cement :3 coarse sand)	cum	0.144	4090.88	589.09			
			Cement mortar for pointing.	L.S.	40.43	2	80.86			
			Total				**5062.65**			
			b) Labour							

			Mason special	day	6.5	461	2996.50					
			Mason second class	day	6.5	401	2606.50					
			Man Mulia	day	4.3	351	1509.30					
			Skilled Beldar	day	10.8	311	3358.80					
			Total				**10471.10**					
			Total (a+b)				**15533.75**					
			c) Overhead Charges @ 15 % on (a+b)				2330.06					
			Total (a+b+c)/10=				1786.38					
			Total Rate Per sqm				**1786.38**					
66	DSR 2019 22.14.1 pg no.1821		Grading roof for water proofing treatment with. Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size). Details of cost for one cum.									
			a) Material									
			Stone Aggregate (Single size) :20 mm nominal size	cum	0.67	1116.34	747.95					
			Stone Aggregate (Single size) :10 mm nominal size	cum	0.22	1181.76	259.99					
			Coarse sand (zone III)	cum	0.45	380.45	171.20					
			Portland Cement (OPC-43 grade)	tonne	0.32	5000	1600.00					
			Total				**2779.14**					
			b) Labour									
			Mason special	day	0.1	461	45.80					
			Mason second class	day	0.7	401	278.60					
			Man Mulia	day	1.63	311	502.04					
			Hire charges of Concrete Mixer 0.25 to 0.40 cum with hooper	hr	6	170.52	1023.12					
			Vibrator (Needle type 40 mm)	hr	6	231.22	1387.32					
			Total				**3236.88**					
			Total (a+b)				**6016.02**					
			c) Overhead Charges @ 15 % on (a+b)				902.40					
			Total (a+b+c)				6918.42					
			Total Rate Per CUM				6918.42					
67	DSR 2019 13.16.1 pg no.910		6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand). Detail of cost for 10 sqm									
			a) Material									
			0.6 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%									
			Portland Cement	tonne	0.03	4917.4	147.52					
			Fine sand (zone IV)	cum	1.02	41.90	42.74					
			Total				**190.26**					
			b) Labour									
			Mason special	day	0.51	461	235.11					
			Mason second class	day	0.75	401	300.75					
			Man Mulia	day	0.92	311	286.12					
			Total				**821.98**					
			Total (a+b)				1012.24					
			c) Overhead Charges @ 15% on (a+b)				151.84					
			Total (a+b+c)/10=				116.41					
			Total Rate Per sqm				116.41					
68	DSR 2019 13.78 pg no.964		Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547 (Part - 1 & II) 1976,applied on hacked / uneven background such as bare brick/ block/ RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. complete. Detail of cost for 10 sqm									
			a) Material									
			Premixed super white gypsum plaster @ 16.14kg /sqm = 61.40 + 5% wastage = 161.40+8.07= 169.47 kg									
			Premixed super white gypsum plaster.	kg	169.47	4.75	804.98					
			Total				**804.98**					
			b) Labour									
			Mason special	day	1.2	461	549.60					
			Mason second class	day	1.2	401	477.60					
			Total				**1027.20**					
			Total (a+b)				**1832.18**					
			c) Overhead Charges @ 15 % on (a+b)				274.83					
			Total (a+b+c)/10=				210.70					
			Total Rate Per sqm				210.70					

69	DSR 2019 11.48.2 pg no.789		Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.Size of Tile 600x600 mm. Details of cost for 1 sqm								
			a) Material								
			Epoxy Grout	kg	0.18	477.5	85.95				
			Total				**85.95**				
			b) Labour								
			Mason special	day	0.08	461	36.64				
			Mason second class	day	0.08	401	31.84				
			Total				**68.48**				
			Total (a+b)				154.43				
			c) Overhead Charges @ 15 % on (a+b)				23.16				
			Total (a+b+c)				177.59				
			Total Rate Per sqm				177.59				
70	DSR 2019 10.2 pg no.668		Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Details of cost for a truss 7.6m clear span (weight = 3.95 quintal)								
			a) Material								
			(i) Principal rafter (T-iron) 100x100x10mm @15kg/m = 142.50Kg+Struts (angles)40x40x6mm 2x1.35=2.70m @ 3.5kg/m = 9.45kg.Total =151.95kg+Add wastage @ 5% = 7.60kg Total = 159.55kg. = 1.60q								
			Structurals such as tees,angles channels and R.S. joists	quintal	1.6	6000	9600.00				
			(ii) Ties (flats) 50x12mm 2x2.7 = 5.4m @4.7kg/m = 25.38kg+Ties central (flats) 50x10mm 1x2.28 = 2.8m @3.90kg/m = 10.92kg.+Braces (flats)40x10mm 2x1.84 = 3.68m @3.9kg/m = 14.35kg.Total = 50.65kg+Add wastage @ 5% = 2.53kg. Total = 53.18kg. = 0.53q								
			Flats exceeding 10 mm in thickness	quintal	0.53	6000	3180.00				
			(iii) Gusset plates 10mm thick 1x0.74x0.35m =0.259sqm.+ shoe 4x0.46x0.46 = 0.845sqm.Total = 1.104 sqm. 1.104sqm.@ 78.4kg/m = 86.55kg.12mm plates at the point of principal rafter and strut-2x0.3x0.2 = 0.12sqm.+ Tie beam, brace and strut-2x0.5x0.3 = 0.30sqm.+Sole plates 2x0.46x0.46 = 0.42sqm.+Anchor plate-2x0.46x0.1 = 0.09sqm.Total = 0.93 sqm.Say 1.00 sqm.1.0sqm. @ 94.4kg/m = 94.40kg.Total = 180.95kg.Add wastage @ 5% = 9.05kg.Total = 190.00kg or 1.90q								
			Mild steel plates	quintal	1.9	6000	11400.00				
			(iv) 16mm dia. 50mm long rivets =56 nos.+Add wastage @ 5 % = 2.8 nos.Total = 58.8 nos.								
			Mild steel rivets	quintal	0.0684	6000	410.40				
			v) 20mm dia. holding down bolts 4 Nos.x460mm = 1840mm + Add wastage @ 5% = 92mm Total =1932 mm								
			20 mm dia holding down bolts	quintal	0.0529	6000	317.40				
			Total				**24907.80**				
			b) Labour								
			Mason special	day	2.7	461	1236.60				
			Mason second class	day	5.84	401	2324.32				
			Skilled Beldar	day	5.4	351	1879.20				
			Beldar	day	3.6	311	1108.80				
			Total				**6548.92**				
			Total (a+b)				31456.72				
			c) Overhead Charges @ 15 % on (a+b)				4718.51				
			Total (a+b+c)				**36175.23**				
			Total cost for 3.95 quintal				36175.23				
			cost of per kg				91.58				

			Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :With residual type petroleum bitumen of grade VG -10. Details of cost for 10 Sqm.								
			a) Material								
71	DSR 2019 12.15.1 pg no.789		Bitumen 80/100. Paving bitumen VG-10 of approved quality	tonne	0.017	26000	442.00				
			Kerosene oil	litre	1.22	40	48.80				
			Coal (steam)	quintal	0.035	40	1.40				
			Coarse sand (zone III)	cum	0.06	46.67	2.80				
			Total				**495.00**				
			b) Labour								
			Mason special	day	0.15	461	68.70				
			Mason second class	day	0.38	401	151.24				
			Total				**219.94**				
			Total (a+b)				714.94				
			c) Overhead Charges @ 15 % on (a+b)				107.24				
			Total (a+b+c)/10=				82.22				
			Total Rate Per sqm				82.22				
			Cement mortar 1:3 (1 cement : 3 coarse sand). Details of cost for 1 cum								
			a) Material								
			(0.357 cum. of cement = 0.51 tonne) Cement required for cement mortar is 35.70%								
			Portland Cement	tonne	0.51	4917.4	2507.87				
			Coarse sand (zone III)	cum	1.07	46.67	49.94				
			Total				**2557.81**				
72	DSR 2019 3.8 pg no.138		b) Labour								
			For measuring, carrying, depositing and mixing-								
			Mason special	day	0.07	461	32.06				
			Mason second class	day	0.75	401	298.50				
			Total				**363.44**				
			Total (a+b)				**2921.25**				
			c) Overhead Charges @ 15 % on (a+b)				438.19				
			Total (a+b+c)				3359.43				
			Total Rate Per CUM				3359.43				
73	DSR 2018 S.NO. 25.3		Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6 12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthned clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.25.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as	sqm			2902.63				

74	DSR 2018 S.NO. 22.22A		Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	sqm			371.12				
75	DSR 2018 S.NO. 26.50.1		Providing and fixing in position factory made non asbestos fibre reinforced aerated cement sandwich wall/roof/floor light weight solid core panels made of light weight cement concrete core composed of OPC cement, pulverized flyash, quick lime, cotton pulp & Gypsum in mortar state mixed with aeration agent in a preset mould. The outer face on both sides of the panels will be non asbestos fibre cement board confirming to IS 14862:2000. These solid wall panels are installed using Galvanized iron steel tracks/C channel of 1mm thick of required sizes as recommended by manufacturer's and fixed to floor and RCC soffit in plumb to each other with steel screw/ fastene₹ The panel shall be fixed vertically with tongue & groove joint with cement based polymer modified jointing compound. The exposed surface finished with fibre mesh/glass fibre tape with polymer based jointing compound having superior flexibility. Panels should be used as floor & roofing with additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "tracks/C channel" which will be	sqm			1371.16				
76	DSR 2018 S.NO. 26.67		Providing and fixing of external thermal insulation and composite system with First layer of self-extinguishing type Expanded Polystyrene (EPS) insulation boards of 120 mm thick (max 1mX0.5m section), confirming to IS 4671:1984, having thermal conductivity of 0.034 W/mK, (measured as per IS 3346- 1980), density of 20-24 kg/m³ measured as per IS 5688-1982, Fire retardant property self-extinguishing type as per EN 13501- 1, bonded with special polymer modifie cementitious adhesive confirming to EOTA ETAG 004 (European Technical Approval) formulated to bond polystyrene insulation boards to typical mineral substrate (according to ETAG 004) and Polypropylene mechanical fasteners with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm on finished level wall and the junction between two adjacent EPS boards to be sealed with low expansion moisture cure Polyurethane Foam. Second layer consists of Fiberglass mesh covered with alkali-resistant coating, mass per unit area > 145 gm/m2, mesh size: 3.9x4.0 mm ±10% embedded in special polymer modified cementitious Base Coat with hydrophobes and the corners will be protected with Corner-beads with alkali-resistant mesh	sqm			3005.89				

Project Manager
Puri Project Division-II
OBCC Ltd.

Sr. Project Manager
O.B. & C.C. Ltd.
Puri Divn-II

Revised Labour Rate with effect 1st October 2020 vide Notification No. 6100 dated 21.10.2020				
S.No.	**Description**	**Unit**	**Qty**	**Rate**
1	Un skilled	Day	1	311
2	Semi Skilled	Day	1	351
3	Skilled	Day	1	401
4	Highly Skilled	Day	1	461
5	Labour for fitting and fixing of M.S. Gates as per approved design incl. cost of all materials complete	SQM	1	67.4

17.6.21
Project Manager
Puri Project Division-II
OBCC Ltd.

17/6/21
Sr. Project Manager
O.B. & C.C. Ltd.
Puri Divn-II

RA 01							
RA-01		Timber Screening with Floding and Fixtures for 1.5 m wide each having two panels of					
S.No.	Refrence	Description	Unit	Quantity	Rate	Amount	Make
		A. MATERIAL AND LABOUR					
1	AOR 1-49	Timber 1.5 panel upto 32 mm teak wood panelled shutter, molded panels with all labour iron fittings, wooden hinged clats etc fitted n fix completed in all aspects but excluding the cost of iron fittings and sliding and floding fittings.	sqm	5.175	3,566.21	18,455.16	AOR 1.49
		B. Fiitings					
2		Surface Mounted Door Closer with Slide rail (top & bottom) For Door Width 750-950 mm and Door Weight 20-80 kg; Adjustable Back-check; EN1154 certified, Fire Rated; 500,000 cycles tested.	set	1	8,000.00	8,000.00	Local Manufacturer, Quotation attached (considering 5% discount)
3		Brass tower bolt (barrel type) 250x10 mm	each	2	257.00	514.00	DSR
4		ProLock 2 HH 110 Handle + Handle set SS	set	1	1,500.00	1,500.00	Local Manufacturer, Quotation attached (considering 35% discount)
5		Brass screws 50 mm	each	50	4.00	200.00	DSR SH 14, Code no. 0449
		Total Rate OF FITTINGS				10,214.00	
		ADD 15% Overhead & CP				1,532.10	
		GST ON FITTINGS		0.00%		-	
		Total amount of fittings				11,746.10	
		Total Timber Screening Panel of Size (1.5m x 3.45m)	**each**			**30,201.26**	
		Total Timber Screening Panel of Size (1.5m x 3.45m)	**Sq.m**			**5,835.99**	

Various Rate Analysis				
S.No.	Refrence	Description	Unit	Rate
RA-02		Cement fiber Board with insulation & framing		
1	DSR 2018 S.NO. 26.67	Providing and fixing of external thermal insulation and composite system with First layer of self-extinguishing type Expanded Polystyrene (EPS) insulation boards of 120 mm thick (max 1mX0.5m section), confirming to IS 4671:1984, having thermal conductivity of 0.034 W/mK, (measured as per IS 3346- 1980), density of 20-24 kg/m^3 measured as per IS 5688-1982, Fire retardant property self-extinguishing type as per EN 13501- 1, bonded with special polymer modifie cementitious adhesive confirming to EOTA ETAG 004 (European Technical Approval) formulated to bond polystyrene insulation boards to typical mineral substrate (according to ETAG 004) and Polypropylene mechanical fasteners with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm on finished level wall and the junction between two adjacent EPS boards to be sealed with low expansion moisture cure Polyurethane Foam. Second layer consists of Fiberglass mesh covered with alkali-resistant coating, mass per unit area > 145 gm/m2, mesh size: 3.9x4.0 mm ±10% embedded in special polymer modified cementitious Base Coat with hydrophobes and the corners will be protected with Corner-beads with alkali-resistant mesh wings at least 10 cm wide, mesh mass per unit area min 145 gm/m2. The surface will be levelled, finished, made smooth complete in all respect as per manufactures specification and as per directions of Engineer-in-Charge.	sqm	3005.89

Various Rate Analysis				
S.No.	Refrence	Description	Unit	Rate
RA-03		Internal partition		
2	DSR 2018 S.NO. 26.50.1	Providing and fixing in position factory made non asbestos fibre reinforced aerated cement sandwich wall/roof/floor light weight solid core panels made of light weight cement concrete core composed of OPC cement, pulverized flyash, quick lime, cotton pulp & Gypsum in mortar state mixed with aeration agent in a preset mould. The outer face on both sides of the panels will be non asbestos fibre cement board confirming to IS 14862:2000. These solid wall panels are installed using Galvanized iron steel tracks/C channel of 1mm thick of required sizes as recommended by manufacturer's and fixed to floor and RCC soffit in plumb to each other with steel screw/ fasteners. The panel shall be fixed vertically with tongue & groove joint with cement based polymer modified jointing compound. The exposed surface finished with fibre mesh/glass fibre tape with polymer based jointing compound having superior flexibility. Panels should be used as floor & roofing with additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "tracks/C channel" which will be paid separately). 26.50.2.Non load bearing panels 75mm thick of required size (minimum 5mm thick fibre cement board)	sqm	1371.16
RA-04		Waterproofing on roof and Balcony		
S.No.	Refrence	Description	Unit	Rate
1	DSR 2018 S.NO. 22.22A	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	sqm	371.12

Various Rate Analysis				
S.No.	Refrence	Description	Unit	Rate
RA-05		Heat Reflective Glass		
	DSR 2018 S.NO. 25.3	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthned clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.25.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	sqm	2902.63
		Sub Total		2902.633929
		Say		**2903**

Various Rate Analysis				
S.No.	Refrence	Description	Unit	Rate
RA-06		**Cost of standbymotors per HP for hydropneumatic pumps**		

CVM4-4C(3PH)	4	1.00	0.75	32X32	41-19	0-7	24000
CVM4-5C(3PH)	5	1.50	1.10	32X32	51-24	0-7	26450
CVM4-6C(3PH)	6	1.50	1.10	32X32	61-28	0-7	27200
CVM4-8C(3PH)	8	2.00	1.50	32X32	82-37	0-7	30325

		Avregae price of 2 HP motors for 1000LPM, 21m head from price list of crompton		30325
		Discount on price list	14%	4245.5
		Final Rate		26079.5
		Rate per hp		13039.75
		add installation and handling and overheads	15%	1955.9625
				14995.7125
		add 1% labour cess	1%	149.957125
				15146
		SAY Cost per HP		**15000**
RA-07		**Cost of provision of STANDBY TRANSFORMERS- 700 KVA**		
		Price list including FOR for 700 kva Transformer		945000
		Discounts	5%	47250
		Final Rate		897750
		add installation and handling and overheads	15%	134662.5
		Sub Total		1032412.5
		add 1% labour cess	1%	10324.125
				1042737
		SAY Cost		**1043000**
RA-08		**Cost of provision of STANDBY TRANSFORMERS- 500 KVA**		
		Price list including FOR for 500 kva Transformer		675000
		Discounts	5%	33750
		Final Rate		641250
		add installation and handling and overheads	15%	96187.5
		Sub Total		737437.5
		add 1% labour cess	1%	7374.375
				744812
		SAY Cost		**745000**
RA-09		**Cost of provision of Water Treatment Plant- 40KLD**		
		Proving treatment plant with RO to cater the 40KLD within 8 hours including 15% for down time the flow shall be of 6000lph The TDS to be maintained shall be 150 ppm		1050000
		Freight Charges	5%	52500
		Required Civil Works and piping including shade as required	7%	73500
		Final Rate		1176000
		add installation and handling and overheads	15%	176400
		Sub Total		1352400
		add 1% labour cess	1%	13524
				1365924

Various Rate Analysis				
S.No.	Refrence	Description	Unit	Rate
		SAY Cost for 40KL		**1366000**
		Say Cost per KL		34.15
		Say		**35**

Rate Analysis- BOUNDARY WALL (Laterite wall with 15% steel work)						
S.NO.	Ref	DESCRIPTION	UNIT	QTY.	RATES	AMOUNT
		Total			1458.10	
		Laterite wall			1020.67	
		Steel work	30%		437.43	
					(INR)	(INR)
1	AOR No.2.8	Earth work in oridinary soil within 50m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge				
1.1		Upto 1.5 m depth	Cum.	1650.56	115.59	1,90,792.00
2	AOR No.59	Cement concrete (1:4:8)with 4cm size hard granite metal per 1cum				
2.1		M-10 Grade	Cum	53.66	4,232.01	2,27,090.00
3	AOR No.2.10	R.C.C. work of M-25 grade with 20mm and down grade black hard granite (crusherbroken) stone chips including hoisting and laying				
3.1		Foundation/Footing and raft	Cum	73.41	5,159.15	3,78,733.00
3.2		Walls, columns and slab attached beams, seat, counter and other related work of any shape,size and thickness.	Cum	181.40	5,159.15	9,35,869.00
4	AOR No.7	Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor				
4.1	C	Foundation/Footing and raft	SQM.	642.87	112.93	72,600.00
4.2	D	Wall and Columns .Beams of any thickness,shape and sizes, suspended slab attached beam etc.	SQM.	1500.00	785.50	11,78,253.00
5	AOR No.2.24	(A) Supplying ,fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specification.				
5.1		Thermo-Mechanically Treated bars of grade Fe-500D	Kgs.	36269.20	80.94	29,35,574.00

S.NO.	Ref	DESCRIPTION	UNIT	QTY.	RATES	AMOUNT
		Total			1458.10	
		Laterite wall			1020.67	
		Steel work	30%		437.43	
					(INR)	(INR)
6	AOR No.40	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. Details of cost for 10 cum	cum	1523.49	115.59	1,76,100.00
7	AOR No.39	Laterite stone masonry in cement mortar (1:4) in foundationand plinth Per 1 cum.	Cum.	538.17	4,654.08	25,04,684.00
8		Providing and laying of Khandolite stone of various width for **COPING** in panel @ LEDGE / Sill and other area as specied by Client / Architect., sizes as indicated in the drawings and as per BDPL Approval, set in cement mortar 1:4 with Cebex 112 with necessary Chamfering and Edge polishing. The rate quoted shall including making holes for grill fixing, The joints are finished / pointing neatly with pigment to match the colour of stone, including cost of materials, labour, Wastages,Tools & Tackles,making grooves as shown in drg/details, cleaning, curing, house keeping etc., complete. all as per specifications, directions & instructions of Engineer-in-charge. including working at all heights with lead & lift.etc.complete.				
8.1		coping with Khandolite stone	cum	36.74	7,890.00	2,89,879.00
9	AOR No.62	Supplying, fitting and fixing Laterite Tiles of approved make with application of polymer modified cement based water resistant adhesive bed of required thickness of 10mm and filling joints with epoxy grout of approved qualiy including cost of all materials, labour T&P etc required for the work. Data for 10 Sqm				
9.1		18- 20mm. Thick. Laterite stone tiles	Sqm.	1209.30	2,855.90	34,53,644.00
10	AOR No.63	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. Details of 1mx1m framed guard bar.	Kgs.	13311.29	92.50	12,31,276.81
		TOTAL for 1458.1m				**1,35,74,494.81**
		Total per running M			***say***	***9,309.71***

MEASUREMENT SHEET FOR BOUNDAY WALL								
S.No.	DESCRIPTION	Nos		LENGTH	WIDTH	HEIGHT	QUANTITY	UNIT
	Total			1458.1				
	Laterite wall			1020.67				
	Steel work	30%		437.43				
I	OPTION-I							
	TOTAL LENGTH	1	1	1021	1	1	1020.67	
							1020.67	
	COLUMNS		255					
	Double Column		32					
1	EARTH WORK IN EXCAVATION	1	223	2.05	2.05	1.475	1382.95	
	Double Column	1	32	2.39	2.39	1.475	267.61	
							1650.56	**CUM.**
2	PCC	1	223	1.05	1.05	0.075	18.45	CUM.
	Double Column	1	32	1.39	1.39	0.075	4.59	CUM.
	bottom of beam	1	1	1020.67	0.40	0.075	30.62	CUM.
							53.66	**CUM.**
3	RCC IN FOOTING	1	223	0.90	0.90	0.200	36.14	CUM.
	Double Column	1	32	1.24	1.24	0.200	9.73	CUM.
	column below plinth	1	255	0.30	0.30	1.200	27.54	CUM.
							73.41	**CUM.**
	Plinth Beam	1	1	1021	0.30	0.45	137.79	CUM.
4	COLUMNS							
	Columns Above plinth Beam	1	255	0.30	0.3	1.9	43.61	
							43.61	**CUM.**
5	REINFORCEMENT				Kg/cum			
	Footing @120kg/cum	1	1	45.87	120		5504.40	
	Column @200 kg/cum	1	1	71.15	200		14230.00	
	Beam @120 kg/cum	1	1	137.79	120		16534.80	
							36269.20	**Kg**
6	Back Filling						1523.49	cum
7	Centering and Shuttering							
	PCC	223	1	4.2		0.075	70.28	sqm
	Double Column	32	1	5.5		0.075	13.25	sqm
	Footing	223	1	3.6		0.2	160.63	sqm

S.No.	DESCRIPTION	Nos		LENGTH	WIDTH	HEIGHT	QUANTITY	UNIT
	Double Column	32	1	4.9		0.2	31.51	sqm
	Column Below Plinth Beam	1	255	1.20		1.2	367.20	sqm
	Column Above Plinth beam	1	255	1.20		1.9	581.40	sqm
	Plinth Beam Sides	1	2	1021		0.45	918.60	sqm
							918.60	**SQM.**
8	Laterite Block Work 300 mm Thick	1	1	1021	0.3	1.9	581.78	
	LESS COLUMNS	-1	255	0.30	0.3	1.9	-43.61	
							538.17	**cum**
9	CLADDING IN LATERITE TILES	1	2	1021	0.45		918.60	
	COLUMNS	2	255	0.30		1.9	290.70	
							1209.30	**SQM.**
10	COPING IN 75MM THICK KHANDALITE STONE	1	1021	0.60	0.30	0.20	36.74	
							36.74	**cum**
11	RAILING IN GALVANISED MS				KG/MTR.			
	ON TOP HORIZONTAL 50X50MMX2MM weight @3.148kg/m	1	1	1021	3.148		3213.07	
	Vertical @ 3.148 kg/m	1	1458	2.2	3.148		10098.22	
							13311.29	

Rate Analysis- Tubewell						
S.No.	SOR Ref	Description	Unit	Qty.	Rate	Amount
1	DSR 2019 23.1.2.1 pg no.1835	**Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata,preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. Rocky strata including Boulders**				
		300 mm dia				
		Details of cost for 16 metre				
		a) MACHINERY :				
		Hydraulic Excavator (3D) with driver and fuel.	day	0.9	7000.00	6300.00
		Diesel oil	Liter	20	93.34	1470.00
		Extra diesel required for boring in rocky strata				
		Transportation charges for to and from to site (assume 140m of bore for one shifting) (2 x30)/140				
		Hire charges of Diesel Truck - 9 tonne	day	0.4286	2000.00	857.20
		Loading, unloading &Errection charges of drilling Rig Machine				
		b) Labour				
		Beldar	day	4	401	1604.00
		Mistry	day	1	461	461.00
		Water supply tanker of 5000 litre capacity	each	1	900.00	900.00
		Extra labour to assist M/C operator & security				
		Rock Hole Driller	day	0.75	401	300.75
		Beldar	day	3	401	1203.00
		Blacksmith 2nd class	day	0.75	461	345.75
		Chowkidar	day	1	401	401.00
		Add 1% water charges				138.43
		Total				13981.13
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**2097.17**
		d) Add Labour cess 1% on above	**@1.0%**			**160.78**
		Total (a+b)/16=				1014.94
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1015.00***
		400 mm dia				
		Details of cost for 16 metre				

		a) MACHINERY :				
		Hydraulic Excavator (3D) with driver and fuel.	day	0.9	7000.00	6300.00
		Diesel oil	Liter	16	93.34	1176.00
		Extra diesel required for boring in rocky strata				
		Transportation charges for to and from to site (assume 140m of bore for one shifting) (2 x30)/140				
		Hire charges of Diesel Truck - 9 tonne	day	0.4286	2000.00	857.20
	DSR 2019	Loading, unloading &Errection charges of drilling Rig Machine				
	23.1.2.3	b) Labour				
1.1	**pg**	Beldar	day	4	401	1604.00
	no.1836	Mistry	day	1	461	461.00
		Water supply tanker of 5000 litre capacity	each	1	900.00	900.00
		Extra labour to assist M/C operator & security				
		Rock Hole Driller	day	1.2	401	481.20
		Beldar	day	8	401	3208.00
		Blacksmith 2nd class	day	0.75	461	345.75
		Chowkidar	day	1	401	401.00
		Add 1% water charges				157.34
		Total				15891.49
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**2383.72**
		d) Add Labour cess 1% on above	**@1.0%**			**182.75**
		Total (a+b)/16=				1153.62
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1154.00***
		Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata,preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, beyond 90 metre & upto 150 meter depth below ground level. Rocky strata including Boulders				
		300 mm dia				
		Details of cost for 16 metre				
		a) MACHINERY :				
		Hydraulic Excavator (3D) with driver and fuel.	day	0.9	7000.00	6300.00
		Diesel oil	Liter	10	93.34	735.00

2	DSR 2019 23.2.2.1 pg no.1839	Extra diesel required for boring in rocky strata				
		Transportation charges for to and from to site (assume 140m of bore for one shifting) (2 x30)/140				
		Hire charges of Diesel Truck - 9 tonne	day	0.4286	2000.00	857.20
		Loading, unloading &Errection charges of drilling Rig Machine				
		b) Labour				
		Beldar	day	4	401	1604.00
		Mistry	day	1	461	461.00
		Water supply tanker of 5000 litre capacity	each	1	900.00	900.00
		Extra labour to assist M/C operator & security				
		Rock Hole Driller	day	1	401	401.00
		Beldar	day	5	401	2005.00
		Blacksmith 2nd class	day	0.7	461	322.70
		Chowkidar	day	1	401	401.00
		Add 1% water charges				139.87
		Total				14126.77
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**2119.02**
		d) Add Labour cess 1% on above	**@1.0%**			**162.46**
		Total (a+b)/16=				1025.52
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1026.00***
2.1	DSR 2019 23.2.2.3 pg no.1841	**400 mm dia**				
		Details of cost for 14 metre				
		a) MACHINERY :				
		Hydraulic Excavator (3D) with driver and fuel.	day	0.95	7000.00	6650.00
		Diesel oil	Liter	16	93.34	1176.00
		Extra diesel required for boring in rocky strata				
		Transportation charges for to and from to site (assume 140m of bore for one shifting) (2 x30)/140				
		Hire charges of Diesel Truck - 9 tonne	day	0.4286	2000.00	857.20
		Loading, unloading &Errection charges of drilling Rig Machine				
		b) Labour				
		Beldar	day	4	401	1604.00
		Mistry	day	1	461	461.00
		Water supply tanker of 5000 litre capacity	each	1	900.00	900.00
		Extra labour to assist M/C operator & security				
		Rock Hole Driller	day	1.2	401	481.20
		Beldar	day	8	401	3208.00

		Blacksmith 2nd class	day	1	461	461.00
		Chowkidar	day	1	401	401.00
		Add 1% water charges				161.99
		Total				16361.39
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**2454.21**
		d) Add Labour cess 1% on above	**@1.0%**			**188.16**
		Total (a+b)/14=				1357.41
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1357.00***
3	**DSR 2019 13.65.1 pg no.955**	**Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade :**				
		Two or more coats on new work				
		Detail of cost for 10 sqm				
		a) MATERIAL				
		Anticorrosive bituminous paint (black)	litre	0.95	100.00	95.00
		b) Labour				
		painter	day	1.4	461	645.40
		coolie	day	0.5	401	200.50
		Add 1% water charges				9.41
		Total				950.31
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**142.55**
		d) Add Labour cess 1% on above	**@1.0%**			**10.93**
		Total (a+b)/10=				110.38
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***110.00***
4	**DSR 2019 23.10.2 pg no.1848**	**Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make,including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.**				
		150 mm nominal size dia having minimum wall thickness 5.00 mm				
		Details of cost for 30 metre				
		a) MATERIAL				
		M.S. pipe 150 mm dia casing pipe	Meter	30	1126.00	33780.00
		M.S. socket 150 mm dia	each	5	205.00	1025.00
		Carriage of cast iron pipes 150 mm dia	100 meter	0.3	378.03	113.41

		including loading and unloading Painting with Anticorrosive Paint 3.14 x 0.160 x 30.00=15.07 sqm.				
		Rate as per Item No.29 of SH: Finishing	Sqm	15.07	110.00	1657.70
		b) Labour				
		Beldar	day	1.4	401	561.40
		Mistry	day	0.5	461	230.50
		Add 1% water charges				373.68
		Total				37741.69
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**5661.25**
		d) Add Labour cess 1% on above	**@1.0%**			**434.03**
		Total (a+b)/30=				1461.23
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1461.00***
5	**DSR 2019 23.10.3 pg no.1848**	**Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make,including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.**				
		200 mm nominal size dia having minimum wall thickness 5.40 mm				
		Details of cost for 30 metre				
		a) MATERIAL				
		M.S. pipe 200 mm dia casing pipe	Meter	30	1400.00	42000.00
		M.S. socket 200 mm dia	each	5	265.00	1325.00
		Carriage of cast iron pipes 200 mm dia	100 meter	0.3	614.93	184.48
		including loading and unloading Painting with Anticorrosive Paint 3.14 x 0.210 x 30.00=20.25 sqm.				
		Rate as per Item No.29 of SH: Finishing	Sqm	20.25	110.00	2227.50
		b) Labour				
		Beldar	day	1.35	401	541.35
		Mistry	day	0.5	461	230.50
		Add 1% water charges				465.09
		Total				46973.92
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**7046.09**
		d) Add Labour cess 1% on above	**@1.0%**			**540.20**
		Total (a+b)/30=				1818.67

		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1819.00***
6	DSR 2019 23.11.3 pg no.1850	**Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.**				
		150 mm nominal size dia				
		Details of cost for 30 metre				
		a) MATERIAL				
		M.S. pipe 150 mm dia casing pipe	Meter	30	1126.00	33780.00
		M.S. socket 150 mm dia	each	5	205.00	1025.00
		Extra for making slots	L.S.	1208.05	2.00	2416.10
		Carriage of cast iron pipes 150 mm dia	100 meter	0.3	378.03	113.41
		including loading and unloading Painting with Anticorrosive Paint 3.14 x 0.160 x 30.00=15.07 sqm.				
		Rate as per Item No.29 of SH: Finishing	Sqm	15.07	110.00	1657.70
		b) Labour				
		Beldar	day	1.4	401	561.40
		Mistry	day	0.5	461	230.50
		Add 1% water charges				397.84
		Total				40181.95
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**6027.29**
		d) Add Labour cess 1% on above	**@1.0%**			**462.09**
		Total (a+b)/30=				1555.71
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1556.00***

7	DSR 2019 23.10.3 pg no.1848	**Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.**				
		200 mm nominal size dia				
		Details of cost for 30 metre				
		a) MATERIAL				
		M.S. pipe 200 mm dia casing pipe	Meter	30	1400.00	42000.00
		M.S. socket 200 mm dia	each	5	265.00	1325.00
		Extra for making slots	L.S.	1208.05	2.00	2416.10
		Carriage of cast iron pipes 200 mm dia	100 meter	0.3	614.93	184.48
		including loading and unloading Painting with Anticorrosive Paint 3.14 x 0.210 x 30.00=20.25 sqm.				
		Rate as per Item No.29 of SH: Finishing	Sqm	20.25	110.00	2227.50
		b) Labour				
		Beldar	day	1.4	401	561.40
		Mistry	day	0.5	461	230.50
		Add 1% water charges				489.45
		Total				49434.43
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**7415.16**
		d) Add Labour cess 1% on above	**@1.0%**			**568.50**
		Total (a+b)/30=				1913.94
		e) Add GST	@0.0%			0.00
		Total Rate Per meter				***1914.00***

8	DSR 2019 23.12 pg no.1851	**Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit),with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method,collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.**				
		Details of cost for 8 Hours				
		a) MACHINERY :				
		Air compressor 250 cfm with two leads for pneumatic cutters/ hammers.	day	1	1600.00	1600.00
		Material				
		Diesel oil	Liter	48	93.34	3528.00
		Add 1% water charges				51.28
		Total				5179.28
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**776.89**
		d) Add Labour cess 1% on above	**@1.0%**			**59.56**
		Total (a+b)/8=				751.97
		e) Add GST	@0.0%			0.00
		Total Rate 1 hour				***752.00***
9	DSR 2019 23.13.3 pg no.1852	**Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:**				
		Details of cost for 1 No				
		a) Material				
		M.S. cap 200 mm dia	day	1	200.00	200.00
		Add 5% labour facor				10.00
		Add 1% water charges				2.10
		Total				212.10
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**31.82**
		d) Add Labour cess 1% on above	**@1.0%**			**2.44**
		Total (a+b)				246.35
		e) Add GST	@0.0%			0.00
		Total Rate 1 no.				***246.00***

10	DSR 2019 23.14.3 pg no.1854	**Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.**				
		Details of cost for 1 No				
		a) Material				
		Clamps made of MS flat of size 100x10mm thick1x2.40 mt.x7.80 kg per mt.=18.72 kg.				
		Rate as per Item No.24 of SH: Steel Work	Kg	18.72	92.50	1731.58
		Sundries, nuts and bolts etc.	L.S.	30	2.00	60.00
		Add 1% water charges				0.60
		Total				1792.18
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**9.09**
		d) Add Labour cess 1% on above	**@1.0%**			**18.01**
		Total (a+b)				1819.28
		e) Add GST	@0.0%			0.00
		Total Rate 1 no.				***1819.00***
11	DSR 2019 23.15.3 pg no.1854	**Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).**				
		Details of cost for 1 No				
		a) Material				
		M.S bail plug 200 mm dia	each	1	220.00	220.00
		Sundries	L.S.	5	2.00	10.00
		Add 1% water charges				0.10
		Total				230.10
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**34.52**
		d) Add Labour cess 1% on above	**@1.0%**			**2.65**
		Total (a+b)				267.26
		e) Add GST	@0.0%			0.00
		Total Rate 1 no.				***267.00***

12	N.S.	Supply & Transportation of 50Hz AC energy efficient submerssible Pump upto 200lpm , 250m head. Of the tubewell including supplying, laying providing riser pipes of 52mm dia of minimum Length 200m to take water from pump to the connecting mains as required including connected valves, sluice valves, non return valves, unions, sockets & all specials (Such as bends, elbows, tees etc) class medium including testing of joints & cost of jointing materials including suitable capacitor and single phase preventor with legrand mark ISI mark MCB etc. , including fully automatic star delta motor starter fitted in CRCA sheet steel enclosure and frame suitable for 3 phase 415V, and all other necessary electrical fittings etc, all complete in all respects necessary for succesful excation and commisioning of the pump. The pump shall be of ISI marked and make kirloskar, Shakti, Siemens, Cromton Greeves.				
		Details of cost for 1 No				
		a) Material				
		Sumberssible pump upto 200 LPM, 250 m head with Motor	each	1	50000.00	50000.00
		Riser pipe of 50mm dia minimum length 100 m	Meter	100	310.00	31000.00
		Connected valves	each	1	2500.00	2500.00
		Sluice valves	each	1	1300.00	1300.00
		Non return valves	each	1	2200.00	2200.00
		Unions	each	1	249.00	249.00
		90 degree G.I. pipe Bends	each	1	400.00	400.00
		Elbows	each	1	200.00	200.00
		Tees	each	1	110.00	110.00
		Flat cable	Meter	300	135.00	40500.00
		Add 1% water charges				1284.59
		Total				129743.59
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**19461.54**
		d) Add Labour cess 1% on above	**@1.0%**			**1492.05**
		Total (a+b)				150697.18
		e) Add GST	@0.0%			0.00
		Total Rate 1 no.				***150697.00***

13	N.S.	Providing and fixing panel Board with Steel Frame, starter ammemter voltmeter main switch, single phase preventer, of required size as per instruction of Engineer in charge the make shall be of land T, seimens and havells, the work shall include supplying and installing 10m length cable of sqmm.				
		Details of cost for 1 No				
		a) Material				
		Panel Board with steel Frame	kg	150	92.50	13874.80
		Starter 10 HP	each	1	4500.00	4500.00
		Voltmeter	each	1	450.00	450.00
		Ampere meter	each	1	700.00	700.00
		63 amp. 3 phase MCB	each	1	1000.00	1000.00
		Suitable capacitor	each	1	250.00	250.00
		Main switch 63 Amp.	each	1	2200.00	2200.00
		Single phase preventer	each	1	700.00	700.00
		Electrical cut-out fuse 63 amp.3 no. per set	set	3	150.00	450.00
		Electrical Indicator. 3 no. per set	set	3	100.00	300.00
		16 sqmm Armoured cable 4 core	meter	151	145.61	21987.11
		Add 1% water charges				464.12
		Total				46876.03
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**7031.40**
		d) Add Labour cess 1% on above	**@1.0%**			**539.07**
		Total (a+b)				54446.51
		e) Add GST	@0.0%			0.00
		Total Rate 1 no.				***54447.00***
14	N.S.	Labour charges for installation of submersible pumping sets at 50m or more depth temporarily in the tube well for a maximum of eight hours for the purpose of conducting yield test for tubewell. (Any one of the below depending on the approximate yield observed during drilling operations). Submersible pumping set above 7.5 kw .				
		Details of cost for 1 No				
		a) Labour				
		Beldar	day	3	401	1203.00
		Mistry	day	1	461	466.53
		Add 1% water charges				16.70
		Total				1686.23
		c) Overhead Charges @ 15 % on (a+b)	**@15.0%**			**252.93**
		d) Add Labour cess 1% on above	**@1.0%**			**19.39**
		Total (a+b)				1958.55
		e) Add GST	@0.0%			0.00

		Total Rate 1 no.				***1959.00***
15	N.S.	Carrying out the resistivity survey by VES method using schlumberger configuration for locating the proper spot eith three soundings for drilling of tube well with in the selected habitation ,including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs. per successful point .				
		Details of cost for 1 No				
			L.S.			2000.00
		Total Rate 1 no.				***2000.00***
16	N.S.	**Tubewell All Complete**	unit	Qty	Rate	Amount
		Carrying out the Resistivity Survey by VES method	each	12	2000.00	24000.00
		Boring/Drilling Bore well 400 mm dia upto 90m	Meter	90	1154.00	103860.00
		Boring/Drilling Bore well 300 mm dia upto 90m	Meter	0	1015.00	0.00
		Boring/Drilling Bore well 400 mm dia 90m & upto 150m	Meter	10	1357.00	13570.00
		Boring/Drilling Bore well 300 mm dia 90m & upto 150m	Meter	50	1026.00	51300.00
		M.S. Plain ended Casing Pipes 150 mm dia	Meter	0	1461.00	0.00
		M.S. Plain ended Casing Pipes 200 mm dia	Meter	51	1819.00	92769.00
		M.S. Sloted Pipes 150 mm dia	Meter	0	1556.00	0.00
		M.S. Sloted Pipes 200 mm dia	Meter	49	1914.00	93786.00
		Submerssible Pump upto 200 LPM, 250 m head and Motor	each	1	150697.00	150697.00
		Starter	each	1	54447.00	54447.00
		Labour charges	each	1	1959.00	1959.00
		M.S. Cap or spot welded plate to the top of bore well	each	1	246.00	246.00
		M.S. Clamp of required dia to the top of casing	each	1	1819.00	1819.00
		Bail plug/ Bottom plug of required dia	each	1	267.00	267.00
		Development of tube well	hour	15	752.00	11280.00
		Total			***600000.00***	

B.2.1.5- Summary OF Cost of Student's Hostel Building Works						
S.NO.	Description	Area (sqm)	Area (sqft)		heigth (m)	
1	Ground Floor	240.80	2592.00		3.8	
2	Stilt Portion On Ground Floor	334.45	3600.00		3.8	
3	First Floor	588.63	6336.00		3.8	
4	Second Floor	588.63	6336.00		3.8	
5	Terrace Area covered in solar panel	294.31	3168.00		-	
	Total built up area	1752.51	18864.00			
S.NO.	Description of items of work	Quantity	Unit	Rate	Total Amount	Remark
A	CIVIL STRUCTURE COST					
1	**Structure** (G+2)	1418.06	Sq. mt.	17,589.29	2,49,42,666.03	Refer 1.1.1 of CPWD PAR2020
2	**Stilt Portion On Ground Floor**	334.45	Sq. mt.	7,142.86	23,88,915.43	Refer 1.8.1 of CPWD PAR2020
3	**Cost for additional Height** (every 0.3 metre or part thereof, additional/ lesser height of floor above normal floor height of 3.60 metre/ 3.00 metre i.e. Floor height condsired = 3.8m Additional height= 3.8 - 3.6= 0.2m 0.2/0.3= 0.67 ~ 1	1418.06	Sq. mt.	312.50	4,43,143.81	Refer 1.3.2 of CPWD PAR2020
4	**Cost for additional Height for stilt portion** (every 0.3 metre or part thereof, additional/ lesser height of floor above normal floor height of 3.60 metre/ 3.00 metre i.e. Floor height condsired = 3.8m Additional height= 3.8 - 3.6= 0.2m 0.2/0.3= 0.67 ~ 2	334.45	Sq. mt.	178.57	59,722.89	Refer 1.8.2 of CPWD PAR2021
	Total Building Cost				**2,78,34,448.16**	
B	SERVICES					
3	Internal water supply and sanitary installation		12%		33,40,133.78	Refer 2.1 of CPWD PAR2020
4	External Electrical Service Connections *(This take care of Cost of MV cables and Cost of panels etc required for conection from substations to individual Builidngs)*		3.75%		10,43,791.81	Refer 2.2.1 of CPWD PAR2020
5	Internal Electric Installations		12.50%		34,79,306.02	Refer 2.3 of CPWD PAR2020
6	Power wiring and Plugs		4%		11,13,377.93	Refer 2.4.1 of CPWD PAR2020

B.2.1.5- Summary OF Cost of Student's Hostel Building Works						
S.NO.	Description	Area (sqm)	Area (sqft)		heigth (m)	
1	Ground Floor	240.80	2592.00		3.8	
2	Stilt Portion On Ground Floor	334.45	3600.00		3.8	
3	First Floor	588.63	6336.00		3.8	
4	Second Floor	588.63	6336.00		3.8	
5	Terrace Area covered in solar panel	294.31	3168.00		-	
	Total built up area	1752.51	18864.00			
S.NO.	Description of items of work	Quantity	Unit	Rate	Total Amount	Remark
7	lightning conductors		0.25%		69,586.12	Refer 2.4.2 of CPWD PAR2020
8	External Civil Service Connections		1.25%		3,47,930.60	Refer 2.2.2 of CPWD PAR2021
9	13 Passenger Lift (G+2)	1	Each	1428571.429	14,28,571.43	Refer 3.1.3 of CPWD PAR2020
10	Telephone Conduits		0.25%		69,586.12	Refer 2.4.3 of CPWD PAR2020
C	**ADDITIONAL SPECIALISED ITEMS**					
11	Timber Screening with Folding and Fixtures for seminar halls	64	each	30,201.26	19,32,880.64	Refer RA-01
12	Cement fiber Board with insulation & M.S Framing with EPS core with wood stain	261.6	Sq. mt.	3,005.89	7,86,341.57	DSR 2018 S.NO. 26.67
13	Flase Ceiling at Second Floor of GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm	294.31	Sq. mt.	1,404.33	4,13,314.62	DSR 2018 S.NO. 26.26
D	**ADDITIONAL E&M ITEMS**					
14	IP based EPABX services	33.44	sq.m.	446.43	14,930.72	Refer 17.1 pg 8, of CPWD PAR 2020
	TOTAL (A)				***4,18,74,199.52***	

Project Manager
Puri Project Division-II
OBCC Ltd.

Sr. Project Manager
O.B. & C.C. Ltd.
Puri Divn-II

B.2.2 Summary OF Cost of Fire Protection Works						
S.No.	Description of works	Unit	Qty	Rate	Amount	Remarks
1	Fire protection coating of 2 hours natural steel members taking up 6.5 kg/sqm Assuming steel perimeter area with respected to kg is 0.03 sqm/kg for a typical fire protection coating of 700 microns, coverage of the paint is 1 sqm per litre. (Average cost of paint including primer is 800/litre, to achieve the desired fire rating a coverage of 0.03 kg /sqm is required, the average cost of fire protective paint comes around Rs. 24/kg for steel structure, plu labour of 5 Rs per kg, plus overheads of 15% equals = Rs 33.4Rs/kg) (Exposed steel area in the structure is assumed @3.25Kg/sqft which is 178223.5Kg	kg	1,78,223.50	10.30	18,35,702.05	As claculated
	Total Amount				18,35,702.05	
	Total In lacs				***18.4***	

B.2.3 Summary OF Cost of Miscellaneous E & M Works						
S.NO.	Description of items of wor	Quantity	Unit	Rate	Total Amount	Remark
1	LAN System (Scholors Block, Auditorium)	562.20	Sq. mt.	446.43	2,50,981.28	Refer 16.1 of CPWD PAR2020
2	CCTV System (30% of school of learning, 10% area of Hostels)	7226.4	Sq. mt.	178.57	12,90,428.57	Refer 10.1 of CPWD PAR2020
3	DG Set	200	Kva	9821.43	19,64,285.71	Refer 2.1 of CPWD PAR2020
4	Substation work	500	kva	8035.71	40,17,857.14	Refer 1.1 of Page 6 CPWD PAR2020
5	For extra standdby transformer (500kVa)	1	nos	7,45,000.00	7,45,000.00	RA-07
	MISCELLANEOUS WORK COST				**8268552.709**	
	Total In lacs				***82.7***	

C.0 Specilaized works GRIHA			
S.No.	Ref-Schedule	Description of works	Amount in Lacs
1	C.1	Phase 1	64.08
2	C.2	Phase 2	41.53
		Total amount of works in lacs	**105.61**

C.1 Summary OF Cost of Specialized Works GRIHA PH 1						
S.NO.	Description of items of work	Quantity	Unit	Rate	Total Amount	Remark
1	Grid Interactive roof top **Solar photo Voltaic power Generation system** including space frame	80	kWp	58,035.71	46,42,857.14	Refer 8.1 of CPWD PAR2020
2	**Access Control System** for building Security comprising of controller, E&M Locks, Reader, Smart Cards, cabling, R3ecording, Display System, Hardware and Software support as required (Only on admin)	1008.919	Sq.m	178.57	1,80,164.04	Refer 11.1 of CPWD PAR2020
3	**IBMS: Integrated Building Management System** for digital/electronic display and monitoring of all E&M System like substation, DG set, Ups, Solar power etc. to including cabling monitors, recording etc.	3107	Sq.m	357.14	11,09,684.40	Refer 12.1 of CPWD PAR2020
4	**Lighting Automation** Including Occupancy Sensors (considered for school of learning 1 & 2, library, admin block 1 and 2)	2663	Sq.m	178.57	4,75,460.53	Refer 14.1 of CPWD PAR2020
	Total Specialised Work Griha				**64,08,166.11**	
	Total In lacs				***64.1***	

Project Manager
Puri Project Division-II
OBCC Ltd.

Sr. Project Manager
O.B. & C.C. Ltd.
Puri Divn-II

C.2 Summary OF Cost of Specialized Works GRIHA PH 2						
S.NO.	Description of items of work	Quantity	Unit	Rate	Total Amount	Remark
1	Grid Interactive roof top **Solar photo Voltaic power Generation system** including space frame	50	kWp	58035.71	29,01,785.71	Refer 8.1 of CPWD PAR2020
2	**Access Control System** for building Security comprising of controller, E&M Locks, Reader, Smart Cards, cabling, R3ecording, Display System, Hardware and Software support as required (Only on Auditorium)	510.96	Sq.m	178.57	91,243.30	Refer 11.1 of CPWD PAR2020
3	**IBMS: Integrated Building Management System** for digital/electronic display and monitoring of all E&M System like substation, DG set, Ups, Solar power etc. to including cabling monitors, recording etc.	2164.62	Sq.m	357.14	7,73,079.58	Refer 12.1 of CPWD PAR2020
4	**Lighting Automation** Including Occupancy Sensors	2164.62	Sq.m	178.57	3,86,539.79	Refer 14.1 of CPWD PAR2020
	Total Specialised Work Griha				41,52,648.38	
	Total In lacs				***41.53***	

Project Manager
Puri Project Division-I
OBCC Ltd.

Sr. Project Manager
O.B. & C.C. Ltd.
Puri Divn-II

Site Area Calculation		
S.No.	**Description**	**Area in sq.m.**
1	Internal Road + driveway	**8264.19**
	Internal Road	4700.044
	Driveway	2038
	Parking	584.116
2	Shaded Corridor	**2068.5**
	SC1	*1285.09*
	SC2	*737.06*
	SC3	*77.147*
	SC4	*75.3*
	SC5	*372.943*
3	Pathway	**5004.6**
4	Building Footprint	**5230.208**
5	Landscaping Area	**14524.67**
6	Kund area	**1990.22**

Area Analysis					
38000 sqm // 9.4 acres					
S NO.	FACILITY	TOTAL AREA AS (sqft)	HVAC	EPABX	Terrace Perimeter
PHASE 1B					
1.1 ADMIN BLOCK 1					
GROUND FLOOR	REGISTRAR	625	Air-Conditioned	EPABX	
	PA/PS TO REGISTRAR	120	Air-Conditioned	EPABX	
	DY. REGISTRAR	180	Air-Conditioned	EPABX	
	COMPTROLLER OF FINANCE	500	Air-Conditioned	EPABX	
	WASH ROOMS	300			
	Battery Room	55			
		1780			
FIRST FLOOR	PA/DEO	120	Air-Conditioned	EPABX	
	HALL 1 ADMINISTRATIVE	1250	Air-Conditioned	EPABX	
	WASH ROOMS	300			
	Pantry	130			
	Store room / Janitor's closet	130			
	Electrical Room	130			
	Server Room	55	Air-Conditioned	EPABX	
		2115			
	TOTAL AREA (GF +FF)	**3895**			
	Common area, Circulation & Staircase	670.00			
	Entrance Pavilion (double height)	2015			
	Admin Block 1 Total Area	6580	2850	2850	70

Area Analysis					
38000 sqm // 9.4 acres					
S NO.	FACILITY	TOTAL AREA AS (sqft)	HVAC	EPABX	Terrace Perimeter
1.2 ADMIN BLOCK 2					
GROUND FLOOR	VICE CHANCELLOR'S CHAMBER	500	Air-Conditioned	EPABX	
	PA & PS TO (VC)	250	Air-Conditioned	EPABX	
	MINI CONFERENCE HALL TO VC	750	Air-Conditioned	EPABX	
	HALL 2 EXAMINATION	0	Air-Conditioned	EPABX	
	WASH ROOMS	300			
	Electrical Room	130			
	Server Room	55	Air-Conditioned	EPABX	
	Battery Room	55			
		2040			
FIRST FLOOR	CONFERENCE HALL	0	Air-Conditioned	EPABX	
	CONTROLLER OF EXAMINATION	250	Air-Conditioned	EPABX	
	DY. COMPTROLLER OF EXAMINATION	180	Air-Conditioned	EPABX	
	PA/DEO	120	Air-Conditioned	EPABX	
	STRONG ROOM(QUESTION PAPER)	500	Air-Conditioned	EPABX	
	WASH ROOMS	300			
	Pantry	130			
	Store room / Janitor's closet	130			
		1610			
	TOTAL AREA (GF +FF)	**3650**			
	Common area, Circulation & Staircase	630			
	Admin Block 2 Total Area	4280	2605	2605	92
	TOTAL ADMIN BLOCK (BLOCK 1 + BLOCK 2)	10860			

Area Analysis					
38000 sqm // 9.4 acres					
S NO.	FACILITY	TOTAL AREA AS (sqft)	HVAC	EPABX	Terrace Perimeter
2. LIBRARY + COMPUTER LABS					
GROUND FLOOR	COMPUTER LABS x 2	800	Air-Conditioned	EPABX	
	STILT AREA (under Library)	1420			
	STAIRCASE + LIFT	215			
	TOILETS	325			
	SERVICES (Electrical +Server + Battery)	100			
	CIRCULATION (lift lobby)	150			
	CONNECTING BRIDGE	200			
		3210			
FIRST FLOOR	LIBRARY	2220	Air-Conditioned	EPABX	
	TOILETS	325			
	SERVICES (Electrical +Server + Battery)	100			
	CIRCULATION (lift lobby)	150			
	CONNECTING BRIDGE	200			
		2995			
	TOTAL AREAS	6205	3020	3020	154

Area Analysis					
38000 sqm // 9.4 acres					
S NO.	FACILITY	TOTAL AREA AS (sqft)	HVAC	EPABX	Terrace Perimeter
3. SCHOOL OF LEARNING					
GROUND FLOOR	SEMINAR ROOM	1280			
	FACULTY ROOMS X 2	800	Air-Conditioned	EPABX	
	HEADS ROOMS X 2	530	Air-Conditioned	EPABX	
	TOILETS	500			
	SERVICES	500			
		3610			
FIRST FLOOR	CLASSROOM BIG	1280			
	CLASSROOM SMALL	1560			
	DEAN ROOM	250	Air-Conditioned	EPABX	
	HEADS ROOM	0	Air-Conditioned	EPABX	
	TOILETS	0			
	SERVICES	0			
		3090			
	TOTAL (GROUND + FIRST)	**6700**			
	CIRCULATION CORRIDOR + STAIRCASES	2200			
	TOTAL FOR 1 SCHOOL	8900	1580	1580	197
	TOTAL FOR 5 SCHOOLS	44500			

Area Analysis					
38000 sqm // 9.4 acres					
S NO.	FACILITY	TOTAL AREA AS (sqft)	HVAC	EPABX	Terrace Perimeter
4.1 STUDENT HOSTEL BLOCK 1					
GROUND FLOOR	ELECTRICAL ROOM	120			
	WARDEN'S ROOM	240		EPABX	
	WARDEN'S OFFICE	120		EPABX	
	COMMON ROOM BOYS	480			
	COMMON ROOM GIRLS	480			
	STORES	240			
	STAIRCASE+LIFT (2 PER FLOOR)	480	2160		2160
		2160			
	CIRCULATION CORRIDOR (20%)	432			
	STILTED AREA	3600			
		6192			
FIRST FLOOR	HOSTEL ROOM (16 ROOM PER FLOOR)	3840			
	COMMON BATHROOM (2 PER FLOOR)	960			
	STAIRCASE+LIFT (2 PER FLOOR)	480			
		5280			
	CIRCULATION CORRIDOR (20%)	1056			
		6336			
SECOND FLOOR	HOSTEL ROOM (16 ROOM PER FLOOR)	3840			
	COMMON BATHROOM (2 PER FLOOR)	960			
	STAIRCASE+LIFT (2 PER FLOOR)	480			
		5280			
	CIRCULATION CORRIDOR (20%)	1056			
		6336			
	TOTAL HOSTEL AREAS	18864		360	109

Area Analysis					
38000 sqm // 9.4 acres					
S NO.	FACILITY	TOTAL AREA AS (sqft)	HVAC	EPABX	Terrace Perimeter
4.2 SCHOLAR HOUSING					
GROUND FLOOR	STAIRCASE+LIFT	465			
	ELECTRICAL ROOM	310			
	STORES	310	1085		1085
	CIRCULATION CORRIDOR (20%)	217			
	STILTED AREA	3100			
		4402			
FIRST FLOOR	SCHOLARS HOSTEL - 8 UNITS PER FLOOR	3203.35			
	STAIRCASE+LIFT - 2 PER FLOOR	465			
		3668.35			
	CIRCULATION CORRIDOR (20%)	733.67			
		4402			
SECOND FLOOR	SCHOLARS HOSTEL - 8 UNITS PER FLOOR	3203.35			
	STAIRCASE+LIFT - 2 PER FLOOR	465			
		3668.35			
	CIRCULATION CORRIDOR (20%)	733.67			
		4402			
	TOTAL HOSTEL AREAS	13206			150
5. CAFETERIA					
	CAFETERIA	6000		EPABX	100
6. AUDITORIUM					
	AUDITORIUM	5500	Air-Conditioned	EPABX	91.68

1	**Terrace Area for Solar Power Phase 1**	23638	**sq.ft.**
2	**Terrace Area for Solar Power Phase 2**	16918	**sq.ft.**