


BIRLA CARBON INDIA PVT. LTD. (UNIT-PATALGANGA)

Summary of Environment Performance

Monitoring	Location	Month		Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
		Parameter	MPCB Limit													
Stack Monitoring	Boiler Stack, MOC : RCC, 108M, Height: Dimeter at TOP : 6.3M	TPM	150 mg/Nm ³	55.48	62.46	70.12	78.06	85.43	31.29	32.3	31.8	34.13	31.03	28.95	29.2	33.24
		SO ₂	5760 Kg/Day	1720	1664	1525	1478	1398	1724.58	1730.28	0.483	0.24963	87.45	3.1	3.33	67.76
		Nox		125	118	112	104	107	193.77	187.05	164.78	179.63	144.46	134.68	135.68	111.16
		CO		8	7.8	8.2	7.4	6	8.4	8.5	8.53	15.2	15.5	14.41	14.85	14.31
		HCs		7.23	6.4	7	5	6	9.8	9.8	9.5	BDL	BDL	BDL	BDL	BDL
		HC (Non Methane)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Dryer Stack, MOC : MS, Height: 72M, Dimeter at TOP : 2.3 M	TPM	150 mg/Nm ³	41.52	43.84	45.56	38.12	40.13	36.89	32.72	30.39	35.83	34.67	31.18	32.12	29.14
		SO ₂	1260 Kg/Day	17.31	16.32	17.35	16.44	15.46	12.84	13.8	0.045	0.995	14.45	15.71	15.88	17.56
		Nox		45	40.18	42.3	40.72	41.34	17.59	81.01	78.91	74.57	59.57	51.43	52.26	43.23
		CO		6.5	5.2	5	4.5	5	1.32	1.25	2.13	11.3	11.12	13.56	14.1	13.52
		HCs		0.7	0.65	0.17	0.65	0.65	5.8	5.8	5.5	BDL	BDL	BDL	BDL	BDL
		HC (Non Methane)		1.52	1.4	1.6	1.2	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	D.G. Stack, MOC : MS, Height: 43M, Dimeter at TOP : 0.254 M	TPM	150 mg/Nm ³	96.14	104.16	98.64	82.14	88.46	58.05	61.3	57.46	53.76	51.28	47.6	48.79	54.66
		SO ₂	216 Kg/Day	2.84	2.96	2.68	2.24	2.28	0.93	0.98	0.277	0.103	51.43	1.32	2.28	46.5
		Nox		65.26	70.14	64.74	58.12	56.62	88.49	80.4	82.39	76.92	68.48	58.8	59.97	55.16
		CO		15.4	16	15.98	13.14	13.02	11	12.64	10.89	7.5	7.3	9.23	9.45	9.36
		HCs		4.8	5.2	5.04	4.5	4.2	10.5	10.5	10.2	BDL	BDL	BDL	BDL	BDL
		HC (Non Methane)		1.5	1.2	1.3	1.1	1.3	2.5	2.5	2.2	BDL	BDL	BDL	BDL	BDL
Tank Farm Area	RSPM PM 2.5	60	4.5	5.52	6.4	7.14	6.4	16.06	18.66	16.93	23	24.74	18.3	17.47	22.46	
		100	24.37	26.73	31.54	39.48	36.16	50.35	52.08	50.35	51.65	49.05	39.92	40.34	43.66	
		SO ₂	80	9.89	10.78	13.06	12.02	11.14	16.43	16.2	17.3	15.41	13.35	8.09	5.54	10.15
		Nox	80	13.87	12.84	17.14	16.52	15.24	19.13	17.46	17.66	17.33	16.49	11.05	8.64	16.35
		O ₃	180	3.72	4.14	3.8	3.4	3.9	8	9.8	3.03	12.88	10.56	7.36	7.31	11.14
		Pb	1	BDL	BDL	BDL	BDL	BDL	0.04	0.02	0.01	BDL	BDL	BDL	BDL	BDL
		CO	4	0.18	0.15	0.19	0.22	0.19	1.05	1.1	1.2	1.5	1	0.5	BDL	0.5
		NH ₃	400	7.88	7.08	5.4	4.6	3.1	7.05	8.5	5.1	7.57	7.54	7.48	9.43	5.32
		C ₆ H ₆	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		BaP	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		As	6	BDL	BDL	BDL	BDL	BDL	0.03	0.03	BDL	0.01	0.01	BDL	BDL	BDL
		Ni	20	BDL	BDL	BDL	BDL	BDL	0.06	0.06	BDL	0.03	0.03	BDL	BDL	BDL
	RSPM PM 10	60	6	6.26	8.2	9.1	8.6	15.19	14.76	19.53	18.23	19.53	20.38	19.96	20.38	
		100	38.56	32.22	40.34	52.7	48.64	45.14	47.74	53.82	51.22	50.35	43.25	39.92	40.75	
		SO ₂	80	12.87	13.12	13.06	12.34	11.28	16.1	16.7	15.6	15.03	15.07	10.73	6.43	13.38
		Nox	80	15.76	16.64	17.32	18.16	16.72	18.14	18.7	19.71	17.52	17.23	13.08	12.98	12.32
		O ₃	180	3.56	3.78	4.6	5.1	4.2	4.76	3.73	9.1	11.37	17.36	7.07	6.97	12.86

Ambient Air Quality Monitoring	Switch Yard	Pb	1	BDL	BDL	BDL	BDL	BDL	0.02	0.02	0.02	0.02	0.03	0.01	0.02	0.02	
		CO	4	0.26	0.21	0.24	0.28	0.2	0.98	0.99	0.91	0.5	1	1.5	0.5	0.5	
		NH3	400	6.02	4.12	4.02	3.12	2.64	5.95	4.8	6.3	6.73	6.7	12.83	11.71	8.48	
		C6H6	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		BaP	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		As	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02	0.02	0.02	0.02	BDL	BDL	
		Ni	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.04	BDL	BDL	0.02	0.01	0.01	
	Material Gate	RSPM PM 2.5	60	8.15	7.19	9	10.6	9.2	21.7	19.53	20.83	20.4	22.14	22.87	21.21	22.87	
		RSPM PM 10	100	42.18	44.29	56.82	62.42	58.46	51.65	52.95	51.65	49.48	52.52	41.58	37.01	45.33	
		SO2	80	10.56	11.64	10.14	11.48	10.16	19.04	19.8	21.3	18.9	17.08	7.97	5.77	9.34	
		Nox	80	15.28	16.12	15.26	15.82	14.58	21.95	22.16	23.7	20.66	19.71	11.63	9.55	14.79	
		O3	180	5.3	5.46	4.9	5.1	4.26	15.84	16.5	14.42	4.07	5.28	9.13	8.16	10.52	
		Pb	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.03	0.02	BDL	BDL	
		CO	4	0.19	0.21	0.17	0.13	0.16	1.5	1.4	1.6	0.5	1.5	0.5	0.5	0.5	
		NH3	400	3.34	3.23	3.12	3.04	2.9	19.08	18.6	19.2	18.28	12.45	8.55	5.88	4.24	
		C6H6	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		BaP	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		As	6	BDL	BDL	BDL	BDL	BDL	BDL	0.02	0.02	0.03	BDL	BDL	0.01	0.02	
		Ni	20	BDL	BDL	BDL	BDL	BDL	BDL	0.03	0.03	0.04	0.05	0.04	0.02	0.01	
		Near Dandwadi	RSPM PM 2.5	60	9.3	8.73	9.6	10.42	9.6	18.23	19.53	21.7	16.49	17.36	19.96	20.38	25.37
	RSPM PM 10		100	36.45	39.54	51.24	68.26	62.14	52.08	49.91	54.69	49.91	51.65	42.42	38.67	44.49	
	SO2		80	11.64	12.4	11.02	11.98	10.74	13.27	12.8	16.2	14.4	14.18	8.82	6.02	11.18	
	Nox		80	16.72	17.64	15.62	16.76	15.14	15.88	17.06	16.25	15.45	14.08	16	13.42	14.45	
	O3		180	4.67	4.16	4.8	5.4	4.3	6.08	6.4	5.31	8.05	8.3	15.32	14.28	13.19	
	Pb		1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02	0.01	
	CO		4	0.028	0.019	0.02	0.08	0.11	0.8	0.7	0.82	1.5	0.5	1	0.5	1	
	NH3		400	3.15	2.16	2.12	3.16	3	4.66	5.5	6.1	5.89	5.74	8.55	10.58	6.38	
	C6H6		5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	BaP		1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	As		6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	0.02	
	Ni		20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	
	Ambient Noise Level Monitoring		Near Switch Yard	Day	75	69.8	69.26	61.93	59.33	60	60.52	60.21	60.61	60.5	60.53	59.47	59.61
		Night		70	61.95	60.66	54.66	52.44	51.11	55.81	56.18	55.1	55.21	54.95	53.63	53.87	53.34
Near Tank Farm Area		Day	75	71.13	70.8	64.6	62.2	61.56	59.81	62.26	61.79	59.66	59.47	60.53	60.37	60.48	
		Night	70	64.55	63.22	55	52.66	50.75	54.95	56.62	55.67	53.63	53.35	54.95	54.32	52.45	
Near Material Gate		Day	75	71.2	71.86	64.93	63.73	62.31	61.62	59.56	59.94	60.32	60.21	59.66	59.95	60.92	
		Night	70	65.5	65.33	54	53.22	53.5	56.51	55.33	53.94	52.95	52.73	53.7	53.41	54.73	
Near Dandwadi		Day	75	70.93	70.06	62.4	61.66	61.56	60.11	59.31	59.99	59.47	59.66	60.21	60.34	60.14	
		Night	70	64.98	63.88	51.22	49.77	50.75	54.97	56.19	55.3	53.49	53.7	52.73	53.02	52.51	
Near DG Set		Day (Inside)		106	105	101	103	99	99.9	101.9	102.4	101.4	102.4	101.9	102.3	100.3	
		Day (Outside)		72	72	71	69	67	74.3	74.8	75.2	74.5	75.1	75.3	75.2	73.2	

