

INDIAN RAYON
A UNIT OF ADITYA BIRLA NUVO LIMITED.
VERAVAL.
AMBIENT AIR MONITORING REPORT

Month : MAY - 2015

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	SO ₂	CS ₂	H ₂ S	NO ₂	HCL	Cl ₂	PM 10	PM 2.5
(MICROGRAMS/M ³)															
1	ADM.BUILDING. (5/5/2015)	4.7	S - N	1440	0.5	1.3	720	26	24	36	30	ND	ND	82	42
	ADM.BUILDING. (28/5/2015)	7.1	W - E	1440	0.5	1.3	720	22	30	25	24	ND	ND	88	40
2	GUEST HOUSE (5/5/2015)	4.7	S - N	1440	0.5	1.3	720	18	30	32	22	ND	ND	68	32
	GUEST HOUSE (28/5/2015)	7.1	W - E	1440	0.5	1.3	720	28	38	30	26	ND	ND	75	36
3	CAUSTIC PLANT (5/5/2015)	4.7	S - N	1440	0.5	1.3	720	16	15	14	25	ND	ND	72	68
	CAUSTIC PLANT (28/5/2015)	7.1	W - E	1440	0.5	1.3	720	32	18	24	26	ND	ND	55	26
4	ENGG. HOSTEL (5/5/2015)	4.7	S - N	1440	0.5	1.3	720	20	10	12	26	ND	ND	52	25
	ENGG. HOSTEL (28/5/2015)	7.1	W - E	1440	0.5	1.3	720	30	20	12	24	ND	ND	65	20

ND = Not detectable.

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Month : June - 2015

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	SO ₂	CS ₂	H ₂ S	NO ₂	HCL	Cl ₂	PM 10	PM 2.5
								(MICROGRAMS/M ³)							
1	ADM.BUILDING. (8/6/2015)	5.1	S - N	1440	0.5	1.3	720	18	36	28	15	ND	ND	54	52
	ADM.BUILDING. (25/6/2015)	11.3	W - E	1440	0.5	1.3	720	12	32	20	14	ND	ND	50	45
2	GUEST HOUSE (8/6/2015)	5.1	S - N	1440	0.5	1.3	720	25	34	26	20	ND	ND	54	36
	GUEST HOUSE (25/6/2015)	11.3	W - E	1440	0.5	1.3	720	20	28	24	22	ND	ND	30	58
3	CAUSTIC PLANT (8/6/2015)	5.1	S - N	1440	0.5	1.3	720	14	20	16	12	ND	ND	54	32
	CAUSTIC PLANT (25/6/2015)	11.3	W - E	1440	0.5	1.3	720	16	22	25	18	ND	ND	63	55
4	ENGG. HOSTEL (8/6/2015)	5.1	S - N	1440	0.5	1.3	720	12	15	18	10	ND	ND	38	45
	ENGG. HOSTEL (25/6/2015)	11.3	W - E	1440	0.5	1.3	720	15	14	Tr.	12	ND	ND	62	24

ND = Not detectable.

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Month : July - 2015

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	SO ₂	CS ₂	H ₂ S	NO ₂	HCL	Cl ₂	PM 10	PM 2.5
					(MICROGRAMS/M ³)										
1	ADM.BUILDING. (6/7/2015)	12.3	S - N	1440	0.5	1.3	720	22	30	32	18	ND	ND	88	48
	ADM.BUILDING. (24/7/2015)	9.1	E - W	1440	0.5	1.3	720	24	26	28	22	ND	ND	35	22
2	GUEST HOUSE (6/7/2015)	12.3	S - N	1440	0.5	1.3	720	25	36	28	24	ND	ND	78	45
	GUEST HOUSE (24/7/2015)	9.1	E - W	1440	0.5	1.3	720	28	35	26	24	ND	ND	42	36
3	CAUSTIC PLANT (6/7/2015)	12.3	S - N	1440	0.5	1.3	720	16	15	18	20	ND	ND	82	54
	CAUSTIC PLANT (24/7/2015)	9.1	E - W	1440	0.5	1.3	720	25	30	32	18	ND	ND	55	48
4	ENGG. HOSTEL (6/7/2015)	12.3	S - N	1440	0.5	1.3	720	20	18	22	12	ND	ND	60	30
	ENGG. HOSTEL (24/7/2015)	9.1	E - W	1440	0.5	1.3	720	18	12	10	20	ND	ND	52	24

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Month : August - 2015

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	SO ₂	CS ₂	H ₂ S	NO ₂	HCL	Cl ₂	PM 10	PM 2.5
					(MICROGRAMS/M ³)										
1	ADM.BUILDING. (7/8/2015)	8.4	W - E	1440	0.5	1.3	720	28	26	36	25	ND	ND	35	22
	ADM.BUILDING. (26/8/2015)	7.4	W - E	1440	0.5	1.3	720	30	35	28	24	ND	ND	80	30
2	GUEST HOUSE (7/8/2015)	8.4	W - E	1440	0.5	1.3	720	18	32	25	20	ND	ND	42	36
	GUEST HOUSE (26/8/2015)	7.4	W - E	1440	0.5	1.3	720	22	20	18	26	ND	ND	55	28
3	CAUSTIC PLANT (7/8/2015)	8.4	W - E	1440	0.5	1.3	720	20	12	14	16	ND	ND	55	48
	CAUSTIC PLANT (26/8/2015)	7.4	W - E	1440	0.5	1.3	720	14	15	10	16	ND	ND	70	40
4	ENGG. HOSTEL (7/8/2015)	8.4	W - E	1440	0.5	1.3	720	22	28	30	24	ND	ND	52	24
	ENGG. HOSTEL (26/8/2015)	7.4	W - E	1440	0.5	1.3	720	18	12	14	20	ND	ND	60	34

ND = Not detectable.

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Month : September - 2015

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	SO ₂	CS ₂	H ₂ S	NO ₂	HCL	Cl ₂	PM 10	PM 2.5
					(MICROGRAMS/M ³)										
1	ADM.BUILDING. (9/9/2015)	4.1	N - S	1440	0.5	1.3	720	30	34	28	24	ND	ND	88	32
	ADM.BUILDING. (28/9/2015)	2.7	S - N	1440	0.5	1.3	720	26	38	32	28	ND	ND	62	25
2	GUEST HOUSE (9/9/2015)	4.1	N - S	1440	0.5	1.3	720	24	38	32	28	ND	ND	92	26
	GUEST HOUSE (28/9/2015)	2.7	S - N	1440	0.5	1.3	720	26	22	24	20	ND	ND	55	30
3	CAUSTIC PLANT (9/9/2015)	4.1	N - S	1440	0.5	1.3	720	20	14	18	18	ND	ND	54	52
	CAUSTIC PLANT (28/9/2015)	2.7	S - N	1440	0.5	1.3	720	28	28	34	30	ND	ND	42	26
4	ENGG. HOSTEL (9/9/2015)	4.1	N - S	1440	0.5	1.3	720	18	12	14	20	ND	ND	48	45
	ENGG. HOSTEL (28/9/2015)	2.7	S - N	1440	0.5	1.3	720	20	15	18	25	ND	ND	40	35

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Month : October - 2015

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	SO ₂	CS ₂	H ₂ S	NO ₂	HCL	Cl ₂	PM 10	PM 2.5
								(MICROGRAMS/M ³)							
1	ADM.BUILDING. (6/10/2015)	2.3	S - N	1440	0.5	1.3	720	26	34	30	28	ND	ND	59	36
	ADM.BUILDING. (26/10/2015)	1.1	N - S	1440	0.5	1.3	720	30	34	28	20	ND	ND	49	36
2	GUEST HOUSE (6/10/2015)	2.3	S - N	1440	0.5	1.3	720	20	16	14	22	ND	ND	58	30
	GUEST HOUSE (26/10/2015)	1.1	N - S	1440	0.5	1.3	720	24	38	32	22	ND	ND	68	30
3	CAUSTIC PLANT (6/10/2015)	2.3	S - N	1440	0.5	1.3	720	20	15	24	16	ND	ND	45	45
	CAUSTIC PLANT (26/10/2015)	1.1	N - S	1440	0.5	1.3	720	15	14	12	20	ND	ND	48	40
4	ENGG. HOSTEL (6/10/2015)	2.3	S - N	1440	0.5	1.3	720	18	12	10	26	ND	ND	56	28
	ENGG. HOSTEL (26/10/2015)	1.1	N - S	1440	0.5	1.3	720	16	12	10	18	ND	ND	86	38

ND = Not detectable.