



Ambient Air Monitoring Report

Report No.	ME/NS/001147/10.12.24/SA/Indiabulls/Nashik		Date: 24/12/2010
Name and Address of Customer	Indiabulls Industrial Infrastructure Ltd. (Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		Order Reference Your Work Order No. 3320000384 dt 28.10.2010
Sample Description /Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near weigh bridge	Sample Quantity/Packing	PM ₁₀ , Bap, Metals: Filter Paper: 1 x 3 no. PM _{2.5} : Filter Paper: 1 x 1 no. SO ₂ : 30 ml x 6 no. plastic bottle NO ₂ : 30 ml x 6 no. plastic bottle NH ₃ : 30 ml x 6 no. plastic bottle CO: Plastic bulb 1 x 3 no. Ozone: 30 ml x 6 no. plastic bottle Benzene: Charcoal tubes: 1 x 12 no.
Date of Sampling	15/12/2010 To 16/12/2010	Date of Receipt of Sample	16/12/2010
Sampling Procedure	As per Method Reference		
Date of Start of Analysis	17/12/2010	Date of Completion of Analysis	17/12/2010

Meteorological Data				
Average Wind velocity 1.6 km/h		Relative Humidity (Max/min) : 66/51 %		Temperature (Max/min) : 27/17 °C
Location : Near weigh bridge			Duration of Survey : 24 hours	
Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
Sulphur Dioxide (SO ₂)	3	µg/m ³	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO ₂)	45.3	µg/m ³	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm) or PM ₁₀	72	µg/m ³	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm) or PM _{2.5}	21	µg/m ³	60	Fine Particulate air sampler
Ozone (O ₃)	44	µg/m ³	100	APHA , Method No. 820, Page No. 836
Lead (Pb)	0.04	µg/m ³	1	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2



Mahabal Enviro Engineers Pvt. Ltd.

Plot No. 13/14, Opp. Patel Petrol Pump, Chinndwara Road, Koradi, Dist. Nagpur – 411 111

Report No. ME/NS/001147/10.12.24/SA/Indiabulls/Nashik Cont...

Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
*Carbon Monoxide (CO)	N.D.	mg/m ³	2	APHA method no.130, Page 359
Ammonia (NH ₃)	20	µg/m ³	400	APHA method no. 401, Page 511
Benzene (C ₆ H ₆)	<3.47	µg/m ³	5	IS 5182 (Part 11):2006
Benzo (a) Pyrene (BaP) – particulate phase only	N.D.	ng/m ³	1	IS 5182 (Part 12):2004
Arsenic (As)	0.83	ng/m ³	6	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Nickel (Ni)	7.30	ng/m ³	20	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2

Notes:

N.D.: Not Detected.

TWA: Time Weighted Average.

*: Denotes Grab Sampling

#: NAAQS specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 8 hours TWA in case of Carbon Monoxide, 1 hour TWA in case of Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

-----End-----
for Mahabal Enviro Engineers Pvt. Ltd.

For

Harish Mendhi

Technical Manager

AUTHORISED SIGNATORY

Note :

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.

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Ambient Air Monitoring Report

Report No.	ME/NS/001148/10.12.24/SA/Indiabulls/Nashik		Date: 24/12/2010
Name and Address of Customer	Indiabulls Industrial Infrastructure Ltd. (Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		Order Reference Your Work Order No. 3320000384 dt 28.10.2010
Sample Description /Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near Boiler Turbine Generator Area	Sample Quantity/Packing	PM ₁₀ , Bap, Metals: Filter Paper: 1 x 3 no. PM _{2.5} : Filter Paper: 1 x 1 no. SO ₂ : 30 ml x 6 no. plastic bottle NO ₂ : 30 ml x 6 no. plastic bottle NH ₃ : 30 ml x 6 no. plastic bottle CO: Plastic bulb 1 x 3 no. Ozone: 30 ml x 6 no. plastic bottle Benzene: Charcoal tubes: 1 x 12 no.
Date of Sampling	15/12/2010 To 16/12/2010	Date of Receipt of Sample	16/12/2010
Sampling Procedure	As per Method Reference		
Date of Start of Analysis	17/12/2010	Date of Completion of Analysis	23/12/2010

Meteorological Data				
Average Wind velocity 1.6 km/h		Relative Humidity (Max/min) : 66/51 %		Temperature (Max/min) : 27/17 °C
Location : Near Boiler Turbine Generator Area			Duration of Survey : 24 hours	
Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
Sulphur Dioxide (SO ₂)	<3	µg/m ³	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO ₂)	36.5	µg/m ³	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm) or PM ₁₀	84	µg/m ³	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm) or PM _{2.5}	48	µg/m ³	60	Fine Particulate air sampler
Ozone (O ₃)	49	µg/m ³	100	APHA , Method No. 820, Page No. 836
Lead (Pb)	0.03	µg/m ³	1	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2



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Report No. ME/NS/001148/10.12.24/SA/Indiabulls/Nashik Cont...

Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
*Carbon Monoxide (CO)	N.D.	mg/m ³	2	APHA method no.130, Page 359
Ammonia (NH ₃)	10	µg/m ³	400	APHA method no. 401, Page 511
Benzene (C ₆ H ₆)	<3.47	µg/m ³	5	IS 5182 (Part 11):2006
Benzo (a) Pyrene (BaP) – particulate phase only	N.D.	ng/m ³	1	IS 5182 (Part 12):2004
Arsenic (As)	0.96	ng/m ³	6	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Nickel (Ni)	<3	ng/m ³	20	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Notes: N.D.: Not Detected. TWA: Time Weighted Average. *: Denotes Grab Sampling #: NAAQS specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM ₁₀ , PM _{2.5} , Lead and Ammonia, 8 hours TWA in case of Carbon Monoxide, 1 hour TWA in case of Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.				

-----End-----
for Mahabal Enviro Engineers Pvt. Ltd.

For 

Harish Mendhi
Technical Manager
AUTHORISED SIGNATORY

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Ambient Air Monitoring Report

Report No.	ME/NS/001149/10.12.24/SA/Indiabulls/Nashik		Date: 24/12/2010
Name and Address of Customer	Indiabulls Industrial Infrastructure Ltd. (Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.		Order Reference Your Work Order No. 3320000384 dt 28.10.2010
Sample Description /Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near Admin Building	Sample Quantity/Packing	PM ₁₀ , Bap, Metals: Filter Paper: 1 x 3 no. PM _{2.5} : Filter Paper: 1 x 1 no. SO ₂ : 30 ml x 6 no. plastic bottle NO ₂ : 30 ml x 6 no. plastic bottle NH ₃ : 30 ml x 6 no. plastic bottle CO: Plastic bulb 1 x 3 no. Ozone: 30 ml x 6 no. plastic bottle Benzene: Charcoal tubes: 1 x 12 no.
Date of Sampling	15/12/2010 To 16/12/2010	Date of Receipt of Sample	17/12/2010
Sampling Procedure	As per Method Reference		
Date of Start of Analysis	17/12/2010	Date of Completion of Analysis	23/12/2010

Meteorological Data				
Average Wind velocity 1.6 km/h		Relative Humidity (Max/min) : 66/51 %		Temperature (Max/min) : 27/17 °C
Location : Near Admin Building			Duration of Survey : 24 hours	
Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
Sulphur Dioxide (SO ₂)	<3	µg/m ³	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO ₂)	11.3	µg/m ³	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm) or PM ₁₀	81	µg/m ³	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm) or PM _{2.5}	59	µg/m ³	60	Fine Particulate air sampler
Ozone (O ₃)	67	µg/m ³	100	APHA , Method No. 820, Page No. 836
Lead (Pb)	0.03	µg/m ³	1	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2



Mahabal Enviro Engineers Pvt. Ltd.

Plot No. 13/14, Opp. Patel Petrol Pump, Chinndwara Road, Koradi, Dist. Nagpur – 411 111

Report No. ME/NS/0011490/10.12.24/SA/Indiabulls/Nashik Cont...

Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
*Carbon Monoxide (CO)	N.D.	mg/m ³	2	APHA method no.130, Page 359
Ammonia (NH ₃)	77	µg/m ³	400	APHA method no. 401, Page 511
Benzene (C ₆ H ₆)	<3.47	µg/m ³	5	IS 5182 (Part 11):2006
Benzo (a) Pyrene (BaP) – particulate phase only	N.D.	ng/m ³	1	IS 5182 (Part 12):2004
Arsenic (As)	0.31	ng/m ³	6	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Nickel (Ni)	<3	ng/m ³	20	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2

Notes:

N.D.: Not Detected.

TWA: Time Weighted Average.

*: Denotes Grab Sampling

#: NAAQS specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 8 hours TWA in case of Carbon Monoxide, 1 hour TWA in case of Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

-----End-----
for Mahabal Enviro Engineers Pvt. Ltd.

For 

Harish Mendhi

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