Mahabal Enviro Engineers Pvt. Ltd.

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

Ambient Air Monitoring Report

Report No.	**ME/NS/001924/12.03.26/SA/Indiabulls/Nashik**			**Date:** 26/03/2012
Name and Address of Customer	**Indiabulls Realtech Ltd. (SEZ Co-Developer)** Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.			**Order Reference** Your Work Order No. 3320001083 dt 18.11.2011
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	13/03/2012 To 14/03/2012	**Date of Receipt of Sample**		14/03/2012
Sampling Procedure	As per Method Reference			
Date of Start of Analysis	15/03/2012	**Date of Completion of Analysis**		24/03/2012

Meteorological Data

Average Wind velocity 1.4 km/h	**Relative Humidity (Max/min) :** 67/64 %	**Temperature (Max/min) :** 32/27 °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)	22	µg/m^3	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO_2)	32.3	µg/m^3	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm)or PM_{10}	71	µg/m^3	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm)or $PM_{2.5}$	<10	µg/m^3	60	Fine Particulate air sampler
Ozone (O_3)	44.8	µg/m^3	100	APHA , Method No. 820, Page No. 836
Lead (Pb)	<0.02	µg/m^3	1	US EPA Method: EPA/625/R-96/0109/ IO-3.1, 3.2

Report No. **ME/NS/001924/12.03.20/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)	<4	$\mu g/m^3$	400	APHA method no. 401, Page 511
Benzene (C_6H_6)	<1	$\mu g/m^3$	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)	0.42	ng/m^3	6	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Nickel (Ni)	N.D.	ng/m^3	20	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Mercury	N.D.	ng/m^3	-	APHA Method No. 318, Page no. 492

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.**

Harish Mendhi
Technical Manager
AUTHORISED SIGNATORY

MAHABAL ENVIRO ENGINEERS P LTD

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.

Mahabal Enviro Engineers Pvt. Ltd.

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

Ambient Air Monitoring Report

Report No.	**ME/NS/001925/12.03.26/SA/Indiabulls/Nashik**			**Date:** 26/03/2012
Name and Address of Customer	**Indiabulls Realtech Ltd. (SEZ Co-Developer)** Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ) , Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.			**Order Reference** Your Work Order No. 3320001083 dt 18.11.2011
Sample Description /Type	Ambient Air	**Sample Collected by**		Laboratory
Sampling Location	Near Boiler House	**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	13/03/2012 To 14/03/2012	**Date of Receipt of Sample**		14/03/2012
Sampling Procedure	As per Method Reference			
Date of Start of Analysis	15/03/2012	**Date of Completion of Analysis**		24/03/2012

Meteorological Data		
Average Wind velocity 1.4 km/h	**Relative Humidity (Max/min) :** 67/64 %	**Temperature (Max/min) :** 32/27 °C

Location : Near Boiler House **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)	26	µg/m^3	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO_2)	16	µg/m^3	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm)or PM_{10}	56	µg/m^3	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	<10	µg/m^3	60	Fine Particulate air sampler
Ozone (O_3)	56	µg/m^3	100	APHA , Method No. 820, Page No. 836
Lead (Pb)	N.D.	µg/m^3	1	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2

Report No. **ME/NS/001925/12.03.26/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)	<4	$\mu g/m^3$	400	APHA method no. 401, Page 511
Benzene (C_6H_6)	2.3	$\mu g/m^3$	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)	<0.3	ng/m^3	6	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Nickel (Ni)	N.D.	ng/m^3	20	US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2
Mercury	N.D.	ng/m^3	-	APHA Method No. 318, Page no. 492

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.**

Harish Mendhi
Technical Manager
AUTHORISED SIGNATORY

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Ambient Air Monitoring Report

Report No.	**ME/NS/001926/12.03.26/SA/Indiabulls/Nashik**			**Date:** 26/03/2012
Name and Address of Customer	**Indiabulls Realtech Ltd. (SEZ Co-Developer)** Indiabulls Industrial Infrastructure Ltd.(Multiproduct SEZ), Village – Musalgaon & Gulvanch, Tal- Sinnar, Nashik.			**Order Reference** Your Work Order No. 3320001083 dt 18.11.2011
Sample Description /Type	Ambient Air	**Sample Collected by**		Laboratory
Sampling Location	Near IRL Office	**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	13/03/2012 To 14/03/2012	**Date of Receipt of Sample**		14/03/2012
Sampling Procedure	As per Method Reference			
Date of Start of Analysis	15/03/2012	**Date of Completion of Analysis**		24/03/2012

Meteorological Data		
Average Wind velocity 1.4 km/h	**Relative Humidity (Max/min) :** 67/64 %	**Temperature (Max/min) :** 32/27 ^{o}C
Location : Near IRL Office	**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)	<4	µg/m^3	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO_2)	10.4	µg/m^3	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm)or PM_{10}	60	µg/m^3	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm)or $PM_{2.5}$	<10	µg/m^3	60	Fine Particulate air sampler
Ozone (O_3)	54.9	µg/m^3	100	APHA , Method No. 820, Page No. 836
Lead (Pb)	N.D.	µg/m^3	1	US EPA Method: EPA/625/R-96/0109/ IO-3.1, 3.2

Report No. **ME/NS/001926/12.03.26/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)	<4	$\mu g/m^3$	400	APHA method no. 401, Page 511
Benzene (C_6H_6)	<1	$\mu g/m^3$	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)	<0.3	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
Mercury	N.D.	ng/m^3	-	APHA Method No. 318, Page no. 492

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----------

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