



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/001084/10.11.25/SA/Indiabulls/Nashik | | Date: 25/11/2010 |
| 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. 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 | 17/11/2010 To 18/11/2010 | Date of Receipt of Sample | 18/11/2010 |
| Sampling Procedure | As per Method Reference | | |
| Date of Start of Analysis | 20/11/2010 | Date of Completion of Analysis | 24/11/2010 |

| Meteorological Data | | | | |
|---|--------|--|---|--|
| Average Wind velocity 4.5 km/h | | Relative Humidity (Max/min) : 65/54 % | | Temperature (Max/min) : 29/19 °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) | 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 | 35 | 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) | 63 | µg/m ³ | 100 | APHA , Method No. 820, Page No. 836 |
| Lead (Pb) | 0.014 | µg/m ³ | 1 | US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2 |

Page 1 of 2



Mahabal Enviro Engineers Pvt. Ltd.

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Report No. ME/NS/001084/10.11.25/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) | 4.8 | 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) | N.D. | 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 |

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.**

Harish Mendhi

Technical Manager

AUTHORISED SIGNATORY

Note :

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
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Page 2 of 2



Mahabal Enviro Engineers Pvt. Ltd.

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Ambient Air Monitoring Report

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| 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. 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 | 17/11/2010 To 18/11/2010 | Date of Receipt of Sample | 18/11/2010 |
| Sampling Procedure | As per Method Reference | | |
| Date of Start of Analysis | 20/11/2010 | Date of Completion of Analysis | 24/11/2010 |

| Meteorological Data | | | | |
|--|---------------|---|--|--|
| Average Wind velocity 4.5 km/h | | Relative Humidity (Max/min) : 65/54 % | | Temperature (Max/min) : 29/19 °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) | 21 | µg/m ³ | 80 | IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines |
| Nitrogen Dioxide (NO ₂) | 9 | µg/m ³ | 80 | IS 5182 (Part 6): 2006 & CPCB Guidelines |
| Particulate Matter (size less than 10 µm) or PM ₁₀ | 47 | µg/m ³ | 100 | IS 5182 (Part 23): 2006 & CPCB Guidelines |
| Particulate Matter (size less than 2.5µm) or PM _{2.5} | 32 | µg/m ³ | 60 | Fine Particulate air sampler |
| Ozone (O ₃) | 46 | µg/m ³ | 100 | APHA , Method No. 820, Page No. 836 |
| Lead (Pb) | 0.025 | µg/m ³ | 1 | US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2 |

Page1 of 2



Mahabal Enviro Engineers Pvt. Ltd.

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Report No. ME/NS/001085/10.11.25/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) | 4.3 | 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) | N.D. | 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 |

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.**

Harish Mendhi

Technical Manager

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| 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. |
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| Meteorological Data | | | | |
|--|---------------|---|---|--|
| Average Wind velocity 4.5 km/h | | Relative Humidity (Max/min) : 65/54 % | | Temperature (Max/min) : 29/19 °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) | 30 | µg/m ³ | 80 | IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines |
| Nitrogen Dioxide (NO ₂) | 6 | µg/m ³ | 80 | IS 5182 (Part 6): 2006 & CPCB Guidelines |
| Particulate Matter (size less than 10 µm) or PM ₁₀ | 46 | 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) | 65 | µg/m ³ | 100 | APHA , Method No. 820, Page No. 836 |
| Lead (Pb) | 0.006 | µg/m ³ | 1 | US EPA Method: EPA/625/ R-96/0109/ IO-3.1, 3.2 |

Page 1 of 2



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| Ammonia (NH ₃) | <20 | µg/m ³ | 400 | APHA method no. 401, Page 511 |
| Benzene (C ₆ H ₆) | 3.9 | 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) | N.D. | 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 |

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Page 2 of 2