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Ambient Air Monitoring Report

Report No.	ME-NS0119-120721-SA-INDIABUL-NASHIK		Date: 12.07.2012
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 Date: 18.11.2011
Sample Description /Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near Boiler Turbine 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. Mercury: 30 mL x 6 No. Amber colour bottle
Date of Sampling	13.07.2012	Date of Receipt of Sample	15.07.2012
Sampling Procedure	CPCB Guidelines		
Date of Start of Analysis	16.07.2012	Date of Completion of Analysis	19.07.2012

Meteorological Data				
Average Wind velocity 3.8 km/h		Relative Humidity (Max/min) : 76/75 %		Temperature (Max/min) : 25/22 °C
Location : Near Boiler Turbine 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)	15.9	µg/m ³	80	IS 5182 (Part 2): 2001, Reaffirmed 2006 & CPCB Guidelines
Nitrogen Dioxide (NO ₂)	14.7	µg/m ³	80	IS 5182 (Part 6): 2006 & CPCB Guidelines
Particulate Matter (size less than 10 µm) Or(PM ₁₀)	69	µg/m ³	100	IS 5182 (Part 23): 2006 & CPCB Guidelines
Particulate Matter (size less than 2.5µm) or (PM _{2.5})	BDL (DL: 10)	µg/m ³	60	Instrument Manufacturer Operating Instructions

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Parameter	Result	Unit	# National Ambient Air Quality Standards (NAAQS) (Industrial, Residential, Rural and other Area)	Method Reference
Ozone (O ₃)	41	µg/m ³	180	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
*Carbon Monoxide (CO)	N.D.	mg/m ³	2	IS: 5182(Part 10):1999 RA 2003
Ammonia (NH ₃)	BDL (DL: 20)	µg/m ³	400	APHA method no. 401, Page 511
Benzene (C ₆ H ₆)	BDL (DL: 1)	µg/m ³	05	IS 5182 (Part 11):2006
Benzo (a) Pyrene (BaP) – particulate phase only	BDL (DL: 0.5)	ng/m ³	01	IS 5182 (Part 12):2004
Arsenic (As)	BDL (DL: 0.3)	ng/m ³	06	US EPA Method: EPA/625/R-96/0109/ IO-3.1, 3.2
Nickel (Ni)	BDL (DL: 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
Remark: ND – Not Detected, BDL- Below Detection Limit, DL- Detection Limit , 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



Note:

- The result listed refers only to the tested sample(s) and applicable parameter(s).
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