

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022.

## RED/LSI

Consent No. BO/ RO-Nagpur/AST/EIC-NG-4086-10/E/ CC-CAC-118

Date: 03/01/2012

**Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution ) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008. [To be referred as Water Act, Air Act and HW(M&H) Rules respectively].**

CONSENT is hereby granted to

**M/s. Air India Ltd.  
(National Aviation Company of India Ltd.),  
MIHAN SEZ, Nagpur**

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. **The Consent to Establish is granted for a period upto – Commissioning of the Unit or five years which ever is earlier.**
2. **The Consent is valid for the manufacture of -**

Sr. No	Products	Maximum Quantity
1	Maintenance, Repair and overhaul (MRO) facilities for the aircrafts	---

3. **CONDITIONS UNDER WATER (PREVENTION & CONTROL OF POLLUTION ) ACT, 1974:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 20 M<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 38 M<sup>3</sup>.

**(iii) Trade & Sewage Effluent Treatment and Disposal :**

The applicant shall send their effluent to CETP and STP provided by MADC for further treatment and disposal. In no case, trade effluent shall find its way to local Nalla.

**(iv) Non-Hazardous Solid Wastes :**

Sr. No	Type of waste	Quantity	Treatment & Disposal
1.	Cardboard	4.67 MT/M	Send to NMC site
2.	Paper	1.42 MT/M	Send to NMC site
3.	Metals (Aluminium, Steel & Titanium)	17.08 MT/M }	
4.	Glass	2.17 MT/M }	Sale to authorized Reprocessors
5.	Plastic	2.5 MT/M }	
6.	Wood	9.33 MT/M	Send to NMC site

- (v) Other conditions :** The industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the **Water ( Prevention & Control of Pollution ) Cess Act, 1977 ( to be referred as Cess Act )** and Rules thereunder:  
The daily water consumption for the following categories is as under:

(i) Domestic	...	47	CMD
(ii) Industrial Processing	...	13	CMD

(iii) Industrial Cooling/boiler	...	66	CMD
(iv) Agriculture/Gardening	...	4	CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

**5. CONDITIONS UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981:**

- (i) The applicant shall operate a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards :

**A) Control Equipment :** Air Pollution Control equipments of adequate capacity shall be provided to limit the emissions.

**B) Standards for Emissions of Air Pollutants :**

1	SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
2	SO <sub>2</sub>	Not to exceed	24 Kg/day

**C) Conditions for D.G. Set :**

1. Noise from D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
2. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure / acoustic treatment of the room should be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB(A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 metres from acoustic enclosure/room and then average.
3. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.
4. Industry should make efforts to bring down noise level due to D.G. set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
5. Installation of D.G. set must be strictly in compliance with recommendations of D.G. set manufacturer.
6. A proper routine and preventive maintenance procedure for D.G. set should be set and followed in consultation with the D.G. manufacturer which would help to prevent noise levels of D.G. set from deteriorating with use.
7. D.G. set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. set.

**(ii) The applicant shall observe the following fuel pattern :-**

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	100 lit/hr

**(iii) The applicant shall erect the chimney(s) of the following specifications :-**

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	DG Set (500 KVA) (4 Nos.)	4.5* each
2.	DG Set (750 KVA)	5.5*

(\* above the height of building where the DG set is installed)

- (iv) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- (v) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less

than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

(vi) **Other Conditions :**

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality regularly.

6. **CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:**

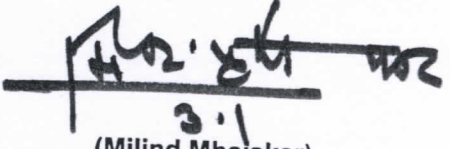
The applicant shall not generate any type of hazardous wastes.

7. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

8. **General Conditions :**

1. The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.
  2. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by Sepetember end.
  3. Solid Waste – The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permisions from civic authorities for disposal to dumping ground.
  4. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent regarding pollution levels.
  5. The applicant shall not change or alter `the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
  6. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
  7. The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.
  8. The firm shall submit to this office, the 30<sup>th</sup> day of September every year , the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
  9. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
  10. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
  11. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
  12. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
  13. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
9. **The applicant shall comply with the conditions stipulated in Environmental Clearance granted by MoEF to M/s. MADC vide no. 21-197/2007-IA.III dtd. 16.04.2008 and in consent granted by the Board vide no. BO/RO(P&P)/EIC No. NG-1512-08/E/CC-389 dtd. 19.09.2008.**

10. This is issued pursuant to the permission letter of GOI, SEEPZ-SEZ vide no. SEEPZ/NEWSEZ/MADC-NGP/LOA-19/2010-11/9470 dtd. 01.09.2010.
11. This is issued pursuant to MoU/ Lease Agreement with MADC dtd. 29.11.2010 for utilization of common facilities.
12. This is issued with the recommendation of Consent Appriaisal Committee meeting held on 21.07.2011 of the Board.
13. The applicant shall obtain Consent to Operate before Actual Commencement for the production activity.
14. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
15. The capital investment of the industry is Rs. 444.16 Crs.

  
(Milind Mhaskar)  
Member Secretary

To,  
**M/s. Air India Ltd.**  
(National Aviation Company of India Ltd.), MIHAN SEZ, Nagpur  
Copy to:  
RO-Nagpur/ SRO-Nagpur-II/CAO/ Cess Branch/ Master File

**Received Consent fee of -**

Amount	D.D.No.	Date	Drawn on
Rs. 4,44,160/-	583223	26.07.2010	Citi Bank
Rs.100/-	006546	02.11.2010	ICICI Bank
Rs. 4,44,160/-	282521	07.12.2011	Citi Bank