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**ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ**  
**Karnataka State Pollution Control Board**

“ಪರಿಸರಭವನ”, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ  
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

DRDO  
NO. PCB/28/CNP/13/H/1109

DATED: **13 SEP 2013**

//BY REGD. POST WITH ACK. DUE//

(THIS DOCUMENT CONTAINS 07 PAGES INCLUDING ANNEXURES)

To

The Director,  
Aeronautical Development Establishment,  
Ministry of Defence, Government of India,  
Suranjandas Road,  
New I hippasandra,  
Bangalore - 560 075

Sir,

**Sub:** Consent for Establishment to develop Aeronautical Test Range(Air Strip only) at Sy. No. No.343 of Varavu Kaval, Challakere Taluk, Chitradurga District by **Aeronautical Development Establishment, Ministry of Defence, Government of India.**

- Ref:** —1. Your CFE application received at Regional Office, KSPCB, Chitradurga on 09.04.2013.  
2. Inspection of the proposed project site by the Environmental Officer, KSPCB, Regional Office, Chitradurga on 15.04.2013.  
3. This Office letter No. 525 dated 04.05.2013.  
4. Your letter dated 08.05.2013.  
5. Proceedings of the consent committee meeting held on 06.06.2013.  
6. This Office letter No. 1546 dated 02.07.2013.  
7. National Green Tribunal, Southern zone Chennai order No.11 , dated 21.08.2013  
8. Proceedings of the consent committee meeting held on 26.08.2013.  
9. Project authorities letter dated 26.08.2013 along with undertaking.  
10. This Office letter No. 3410 dated 03-09-2013.  
11. Project authorities letter dated 03-09-2013.

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The Director, **Aeronautical Development Establishment, Ministry of Defence, Government of India** has approached the Board in the month of April 9<sup>th</sup> 2013 seeking

*[Signature]* 3/9/13  
Senior Environmental Officer.



Consent for Establishment of the Board under the Water (Prevention & Control of Pollution) Act 1974, and Air (Prevention & Control of Pollution) Act 1981 to establish of **Aeronautical Test Range for research**, unmanned and manned Air vehicle testing, Residential and Transit facilities along with connectivity area.

Further the project proponent vide his letter dated 8<sup>th</sup> May 2013 had furnished a copy of letter dated 26-04-2011 given by the MoEF, New Delhi, to the Ministry of Civil Aviation clarifying that the Air Strip projects are not covered under the ambit of EIA Notification 2006 and No Environment Clearance is required for such project.

In view of the applications pending before National Green Tribunal, Chennai (SZ) the Board has issued an Endorsement on 02-07-2013 stating that issue of consent for Establishment for the proposed project will be considered only after the outcome of the decision from NGT.

Subsequently Hon'ble National Green Tribunal, Chennai (SZ) passed order on 21-08-2013 directing the Board to process the applications made by the project proponent and pass an appropriate order as per the provisions governing the Pollution Control Board within 2 weeks.

Meantime, Aeronautical Development Establishment, Ministry of Defence, Government of India, vide letter dated 26-08-2013 has submitted additional information on possession of land and also an undertaking to certify that, the proposed Aeronautical Test Range is meant for defence research purpose only and they shall establish Air Strip only without involving bunkering/re-fueling facility and /or Air Traffic Control and also affirming that, the facility is not for commercial use.

Consequent to the Hon'ble National Green Tribunal, Chennai directions the subject on issue of Consent for Establishment for the said project was placed before the Consent Committee Meeting of the Board held on 26-08-2013. The Committee deliberated in detail on Project proponent Vis-à-vis clarifications issued by MOEF on applicability of EIA Notification for the said project. Further deliberated on the stand taken earlier by the Board and orders passed by Hon'ble National Green Tribunal, Chennai (SZ) and recommended for issue of CFE with conditions subject to final decision of the National Green Tribunal (N.G.T.), Chennai.

In view of the above the Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974 and the Air (Prevention & Control of Pollution) Act 1981 to develop **Aeronautical Test Range (Air Strip only)** which is **not meant for commercial use and without bunkering/re-fueling facility and /or Air Traffic Control** at Sy. No. 343 of Vararu Kaval, Challakere Taluk, Chitradurga District by Aeronautical Development establishment, Ministry of Defence subject to final order to be passed by the N.G.T. and with following conditions.

1. This Consent for establishment is valid for Five years from the date of issue of this order.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary licence/clearance from other relevant agencies before taking up construction.
4. In case the area proposed for the project is found to be Forest area, necessary Forest clearance shall have to be obtained.

#### I. WATER CONSUMPTION:

1. The source of water shall be Vanivilas Dam and total water consumption shall not exceed 18 KLD.

*[Signature]* 3/9/13  
Senior Environmental Officer.



## II. WATER POLLUTION CONTROL:

1. The total quantity of sewage shall not exceed 16 KLD and shall be treated in two numbers of sewage treatment plants of capacity 10 KLD each, with the treatment scheme as submitted in the STP proposal to meet the standards stipulated below before utilizing for Urban Reuse viz., landscape irrigation, vehicle washing, toilet flushing, use in fire protection and commercial air conditioners.

Sl.No	Parameter	Standards
1	pH	6-9
2	BOD <sub>5</sub> , mg/l	≤ 10
3	Turbidity, NTU	≤ 2
4	E.coli	None

2. Applicant shall add appropriate disinfectant to treated sewage to ensure some residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
3. If the treatment plant do not achieve the effluent standards stipulated under conditions (1) above or if it is found to be inadequate, then the applicant shall have to modify the units so as to meet the standards with prior consent of the Board.
4. All the treatment units shall be made impervious.
5. The applicant shall provide separate D.G.Set as standby power to operate sewage treatment plant.
6. The applicant shall provide separate energy meter for sewage treatment plant operation.
7. The applicant shall provide separate flow measuring devices to water intake, outflow lines as per Water (Prevention and Control of Pollution) Cess Act, 1977.

## III. AIR POLLUTION CONTROL:

1. The type of emissions, rate of emissions, tolerance limits, stack heights and the air pollution equipments shall be as specified in Annexure-II.
2. The applicant during construction shall ensure that the Ambient Air Quality in its premises shall conform to the National Ambient Air Quality Standards specified in Environment (Protection) Rules.
3. The applicant shall provide acoustic measures to the DG Sets as per Sl. No. 94 in Schedule-I of Environment (Protection) Rules.
4. The applicant shall provide dust suppression systems with water sprinkling system during construction period.

## IV. NOISE POLLUTION CONTROL:

1. The applicant shall ensure that the ambient noise levels and ambient air quality within its premises during construction and after construction shall not exceed the limits specified in the Environment (Protection) Rules, i.e., the noise level from the noise generating equipments viz., DG sets, AC units etc., shall not exceed 75 dB(A) Leq during day time and 70 dB(A) Leq. during night time.

*[Signature]* 3/8/12  
Senior Environmental Officer.



#### V. SOLID WASTE & HAZARDOUS WASTE DISPOSAL:

1. The applicant shall collect, treat and dispose off all solid waste generated during construction i.e. Muck, and Garbage after construction if any in such manner so as not to cause environmental pollution.
2. The applicant shall apply and obtain authorization for management & handling of Hazardous waste under Hazardous Waste (Management & Handling) Rules 1989.
3. The applicant shall convert the garbage into compost by providing in house garbage/organic converter.

#### VI. GENERAL :

1. The applicant shall adhere to the Zonal Regulations norms of competent authority.
2. The applicant shall comply with the provisions of Water (Prevention and Control of Pollution) Cess Act, 1977.
3. The applicant must create structure/facility for rain water harvesting and ground water recharge.
4. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.
5. The applicant shall not change or alter (a) project plan (b) the quality, quantity or rate of discharge/ emissions and (c) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
6. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc., in excess of the standards stipulated, and the applicant shall immediately take appropriate corrective and preventive actions under intimation.
7. Exact date of commissioning of the project shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant.
8. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operation of STP.
9. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
10. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
11. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by Competent Agency or Committee.

*[Signature]* 3/9/13  
Senior Environmental Officer.



## ANNEXURE - I

Chim No.	Chimney attached to	Minimum chimney height to be provided above ground level	Rate of emission $\text{NM}^3/\text{day}$ $\text{NM}^3/\text{Hr.}$	Constituents to be controlled in the emission	Tolerance limits $\text{mg}/\text{NM}^3$	Air pollution Control equipment to be installed, in addition to chimney height as per Col.(3)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.	Remarks
1	2	3	4	5	6	7	8	9
1 & 2	D.G.Set - 725 KVA- 2nos (Individual Chimneys)	7m ARL		$\text{SO}_2$		Chimney height as per Col.3 with acoustic enclosure.	Before commissioning	
3	D.G.Set - 100 KVA.	3m ARL		$\text{SO}_2$		Chimney height as per Col.3 with acoustic enclosure.	Before commissioning	

**Note:** The noise levels shall not exceed 75 dB(A) leq. and 70 dB(A) leq. during day time and night time respectively.

*Handwritten signature* 3/9/12  
Senior Environmental Officer.



Please note that separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance to the completion of construction of Airport. Issue of consent will be considered only after completion of sewage treatment plant, solid waste management facilities and installing air pollution control measures.

The receipt of this letter may please be acknowledged.

For and on behalf of  
Karnataka State Pollution Control Board

Sd/-

Senior Environmental Officer

**COPY TO:**

1. The Environmental Officer, KSPCB, Regional Office, Chitradurga for information.  
He is directed to inspect the site and submit quarterly compliance report.
2. Master copy (CFE-Cell).
3. Master copy (Dispatch).
4. Office copy.

*Handwritten signature* 21/8/13  
Senior Environmental Officer



## ANNEXURE -II

## LOCATION OF SAMPLING PORTHOLES, THE PLATFORMS, THE ELECTRICAL OUTLET.

## 1. Location of Portholes and approach Platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the Sampling Port should not be less than 3". Arrangements should be made so that the porthole is closed firmly during the period when it is not used for sampling.
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point off 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

*Humay* 3/9/12  
Senior Environmental Officer.