To

The Joint General Manager (EC),
M/s Airport Authority of India,
Hubli Airport, Hubli – 580 030, Karnataka

Subject: Extension and development of existing Airport at Hubli,
Karnataka by M/s Airport Authority of India (AAI) -
Environmental Clearance reg.

Sir,

This is with reference to letter no. Nil dated 30.07.2013 along with the application for Terms of Reference (TOR) and this Ministry’s letter dated 14.11.2013 granting TOR. Reference is also invited to the letter no AAI/Hubli/W-1/2014 dated 14.08.2014 and subsequent letters dated 09.09.2014, 17.09.2014 and 01.10.2014 for environmental clearance on the above-mentioned subject.

2. The Ministry of Environment, Forests & Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance for Extension and development of existing Airport at Hubli, Karnataka by M/s Airport Authority of India (AAI). The proposal was considered in the 137th EAC meeting held on 25th to 27th August, 2014; and reconsidered in 138th EAC meeting held on 29th September, 2014 – 1st October, 2014. The proponent has informed that:


ii) Brief: The project involves to modernize/expand the airport in Hubli, Karnataka. At present, the Airport is operational for ATR-72 type of aircraft and after expansion, the airport will be operational for A-321 type of aircraft with minimum seating capacity of 169 passengers, subject to viability and traffic demand. The area of the existing airport is 369 acres and an additional land having 600 acres area has been provided for the expansion phase in Unkal and Gokul villages of Hubli Taluka of Dharwad District, Karnataka. All the facilities for safe operation of the aircraft like expansion of existing runway, new terminal building to cater 200 passengers at a time, expansion of apron, air traffic controller, runway end safety area (RESA) etc. shall form a part of project. Other miscellaneous facilities will include New ATC tower cum Technical Block, Fire station (category VII), relocation of DVOR, security watch tower new substation, AC plant room, provision of hooter system at access points and provision of explosive detection system.
iii) **Power requirement:** At present, the power supplied to AAI-Hubli is 100 KVA and after expansion the power requirement for the proposed project is about 2000 KVA which will be sourced from Hubli Electricity Supply Company Limited (HESCOM).

iv) **Water:** At present, the daily consumption of water is about 25 KLD which is supplied from municipality and after expansion daily consumption of water will be 101 KLD considering 4 lakhs passenger per annum and 150 employees. AAI has proposed extraction of ground water for construction phase only and in operational phase, will utilize water supply from Hubli-Dharwad Municipality.

v) **Wastewater:** The total wastewater generation in operation phase will be 86 KLD and that during construction phase is 15 KLD. The wastewater will be treated with 104 KLD Soil Bio-filter Technology (in short "SBT") developed by IIT Bombay.

vi) **Green belt:** Presently 36 acres area is already developed as Green belt while after expansion landscape area for the project will be increased from 36 to 146 acres. During the operation phase, twin bin waste collection system—green bins for bio-degradable wastes and blue bins for non-biodegradable wastes shall be provided.

vii) **Cost:** Rs. 141.44 crores.

viii) The project site falls under Seismic Zone II which is a low damage risk zone (MSK VI or less). Proposed project site is almost flat agriculture land with elevation ranging from 665 m to 650 m above MSL.

ix) **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.

x) There is no court cases/violation pending with the project proponent.

xi) **Public Hearing** was held on 30.06.2014 at Girija Kalyan Mandir, Hubli.

3. The proposal was considered by the Expert Appraisal Committee (EAC) and recommended in its 138th meeting held on 29th September, 2014 – 1st October, 2014 for granting Environmental Clearance. The Ministry of Environment, Forests & Climate Change hereby accords Environmental Clearance for the above-mentioned **Extension and development of existing Airport at Hubli, Karnataka by M/s Airport Authority of India (AAI)** under the provisions of the Environment Impact Assessment Notification, 2006 and amendments thereto and Circulars issued thereon and subject to the compliance of the following specific conditions, in addition to the general conditions mentioned below:

A. **SPECIFIC CONDITIONS:**

   (i) “Consent for Establishment” shall be obtained from State Pollution Control Board under Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974.

   (ii) Noise level shall be monitored regularly in all seasons (different meteorological conditions) within the compound as well as nearby habitations and it should be ensured that the noise level is within the prescribed limits.

   (iii) Project Proponent shall install noise level display system.
(iv) Sewage and other liquid effluent generated from the airport including from the existing terminal should be treated according to the norms laid down by the State Pollution Control Board. The treated sewage shall be recycled for flushing/gardening, proper dual plumbing shall be provided.

(v) The solid waste generated shall be properly collected, segregated and disposed according to the provisions of Solid Waste (Management and Handling) Rules, 2000.

(vi) Parking provision shall be provided according to the National Building Code of India, 2005.

(vii) The terminal building shall incorporate the features of local architecture as far as possible.

(viii) Necessary permission shall be obtained for drawing of ground water from competent authority prior to construction/operation of the project.

(ix) The landuse around the Airport complex shall be regulated through a plan to control unauthorized development which may create problems in the operation of Airport.

(x) Rain water harvesting shall be provided to recharge the ground water.

(xi) Energy conservation to the extent of 20% shall be incorporated including water conservation (reuse/recycle, rain water harvesting and water efficient fixtures) and other green building practices for various buildings proposed within the airport complex. The PP shall consider ECBC Guidelines 2009 to achieve energy-efficiency.

(xii) All the recommendations of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.

(xiii) The responses/commitments made during public hearing shall be complied with in letter and spirit.

(xiv) Installation and operation of DG sets shall comply with the guidelines of CPCB.

(xv) Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.

(xvi) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the SPCB.

(xvii) Noise should be controlled to ensure that it does not exceed the
prescribed standards. During night time the noise levels measured at the boundary shall be restricted to the permissible levels to comply with the prevalent regulations.

(xviii) Water conservation fixtures shall be provided.

(xix) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

(xx) To reduce the generation of solid waste in the form of pet bottles, the PP shall provide drinking water at convenient places for the passengers and also at the cafeteria.

(xxii) The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

B. GENERAL CONDITIONS:-

(i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

(ii) A First Aid Room will be provided in the project both during construction and operation of the project.

(iii) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

(iv) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

(v) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.

(vi) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
(vii) Fly ash usage shall be explored as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.

(viii) Ready mixed concrete must be used in building construction.

(ix) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(x) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xi) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.

(xii) Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.

(xiii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.

(xiv) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.

(xv) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.

(xvi) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

(xvii) The construction of the structures shall be undertaken as per the plans approved by the concerned local authorities/local administration, meticulously conforming to the existing local and central rules and regulations.

(xviii) The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.

(xix) Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.

(xx) Full support shall be extended to the officers of this Ministry/Regional Office by the project proponent during inspection of the project for monitoring purposes by furnishing full details and
action plan including action taken reports in respect of mitigation measures and other environmental protection activities.

(xxi) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry regarding the implementation of the stipulated conditions.

(xxii) Ministry of Environment, Forests & Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.

(xxiii) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.

(xxiv) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forests & Climate Change.

(xxv) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.

(xxvi) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.

(xxvii) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector’s Office/ Tehsildar’s office for 30 days.

(xxviii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.

4. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 2006, including the amendments and rules made thereafter.

5. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

EC_Hubli_Airport
6. The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forests & Climate Change at http://www.envfor.nic.in. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry.

7. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

8. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

9. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

10. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

Copy to:
(1) The Secretary, Department of Environment, Government of Karnataka, Bangalore.
(2) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 110 032.
(3) The Member Secretary, Karnataka State Pollution Control Board, “Parisara Bhavan, 4th & 5th Floor, # 49, Church Street, Bangalore-560 001.
(4) The CCF, Regional Office, Ministry of Environment & Forests(SZ), Kendriya Sadan, IVth floor, E&P wings, 17th Main Road, Koramangala II Block, Bangalore – 560 034.
(5) IA - Division, Monitoring Cell, MOEF, New Delhi - 110003.
(6) Guard file.