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F. No. 10-18/2007-IA.III
Government of India
Ministry of Environment & Forests
(IA-III Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003,

Dated: 23rd May, 2012

To
M/s Airport Authority of India,
Lucknow Airport, Amousi,
Lucknow-226 009

Subject: Environmental Clearance for proposed terminal building at
Amousi Airport, Lucknow, Uttar Pradesh by M/s. Airport
Authority of India - Reg.

This has reference to your letter no. Nil dated 30.08.2011 seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Impact Assessment Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form-I, EIA, EMP, and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 19th - 21st July, 2007 and 17th - 18th October, 2011.

2. It is interalia, noted that the proposal involves the construction of new terminal building at Amousi Airport, Lucknow. One existing terminal is already running having a capacity to handle 2470 passengers/day. With the increase in domestic and international traffic the new terminal is conceived. The total available land area is 1,04982 sq. m and plot area used for construction is 12,912 sq.m. The total built up area for the project is 21,440 sq. m. The new terminal will facilitate 12000 passengers/day, 10,000 visitors/day and 2000 staff/day. The total water requirement of the project is 600 KLD which will be taken from the existing bore well of the existing terminal having a yield of 25-30 KLD/hr. However as part of the project an STP will be construction of capacity of 450 KLD and the treated water will be used for flushing, cooling and landscaping. The fresh water demand is after considering the treated waste water is 387 KLD. Rainwater harvesting has been considered in the project and it is estimated that about the project area has a harvesting potential of 64,000 cum/annually i.e. 175 cum/day. The total power requirement for the project is 2434 KW and the power will be supplied by Uttar Pradesh Vidyut Vitaran Nigam. For emergency power requirement 6X750 KVA D.G set will be installed. As part of the project 230 car parking, 100 taxi parking and 10 coaches parking facility has been provided as per the building by laws. The total area for parking provided is 11,300 sq.m. There are no environmentally sensitive areas, forest area present within 15 Km from project site. The solid waste generated from the project shall be collected and will be handed over to the municipal corporation for final treatment and disposal. Fire

safety and electrical safety measures are already installed in the existing terminal building; similar arrangement shall be made in the new terminal as well. Fire hydrant, sprinklers and fire extinguishers are provided within the project terminal. The total cost of the project is 129.3 Crores.

3. The proposal was examined by the EAC in its meeting held on 19th - 21st July, 2007 and finalized the additional TOR for further study. Public hearing was conducted at Amousi, Lucknow on 28.06.2011.

4. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environmental Clearance for the project. Accordingly, the Ministry hereby accords necessary Environment Clearance for the above project as per the provisions of Environment Impact Assessment Notification, 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

5. Specific Conditions:

I. Construction Phase

- (i) "Consent for Establishment" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- (ii) The fresh water requirement will be 347 KLD which is proposed to meet from existing two bore wells. The continuous drawal may reduce the yield. The proponent shall use the maximum quantity of treated waste water to reduce the fresh water requirement. It is also suggested to provide the rain water harvesting pits to recharge the ground water.
- (iii) The Noise level model has been done for the DG set only, the proponent shall carry out Noise Modeling for aircraft operation, both during landing and take-off and shall submit the details within three months to the Ministry.
- (iv) The Entry and Exits for the nearby habitations shall be provided as demanded and committed in the public hearing.
- (v) Necessary architectural features of historical buildings located in and around Lucknow shall be incorporated in the design/ interiors of the building.
- (vi) All the recommendation of the EMP shall be complied with 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 MoEF along with half yearly compliance report to Regional Office of MoEF.



- (176) (3)
- (vii) The solid waste shall be properly collected, segregated and disposed as per the provision of Solid Waste (Management and Handling) Rules, 2000.
 - (viii) 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - (ix) A First Aid Room will be provided in the project both during construction and operation of the project.
 - (x) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
 - (xi) 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.
 - (xii) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
 - (xiii) 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.
 - (xiv) Installation and operation of DG set shall comply with the guidelines of CPCB.
 - (xv) 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.
 - (xvi) 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.
 - (xvii) 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.

- (xviii) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
- (xix) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.
- (xx) Ready mixed concrete must be used in building construction.
- (xxi) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xxii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxiii) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxiv) Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxv) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxvi) 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 fulfill requirement.
- (xxvii) The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
- (xxviii) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxix) 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.

117 ②

II. Operation Phase

- i) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with Uttar Pradesh Pollution Control Board.
- ii) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- iii) 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.
- iv) Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
- v) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- vi) 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.
- vii) Energy-conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
- viii) Efforts should be made to use solar energy to the maximum extent possible.
- ix) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

6. General Conditions:

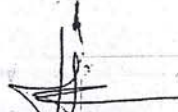
- (i) In the event of any change in the project profile a fresh reference shall be made to the Ministry of Environment and Forests.
 - (ii) This Ministry reserves the right to revoke this clearance, if any, of the conditions stipulated are not complied with to the satisfaction of this Ministry.
 - (iii) This Ministry or any other competent authority may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.
 - (iv) Full support should be extended to the officers of this Ministry's Regional Office at Lucknow and the offices of the Central and State Pollution Control Board by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.
7. 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 Municipal Solid Wastes (Management and Handling) Rules, 2000 including the amendments and rules made thereafter.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department from height point of view, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
9. The project proponent should 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 and Forests 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 at Lucknow.
10. Environmental 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.
11. Any appeal against this Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

12. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

13. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

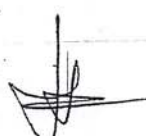
14. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

15. 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 by e-mail.


(Lalit Kapur)
Director (IA-III)

Copy to:

1. The Director, Environment Department, Government of Uttar Pradesh, Lucknow.
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chief Conservator of Forests (C), Ministry of Env. and Forests, Regional Office(CZ), Kendriya Bhawan, Floor, Sector "H", Aliganj, Lucknow-226020 Uttar Pradesh.
4. The Chairman, Uttar Pradesh Pollution Control Board, UP IIIrd, floor PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow - 226020.
5. Director (EI), Ministry of Environment and Forests.
6. Guard File.
7. Monitoring File.


(Lalit Kapur)
Director (IA-III)