

No.10-5/2007-IA-III  
Government of India  
Ministry of Environment & Forests  
(IA-III Section)

Paryavaran Bhavan  
C.G.O. Complex, Lodhi Road,  
New Delhi-110003

Dated the 3<sup>rd</sup> April, 2007

Sub: Environmental clearance for Chhatrapati Shivaji International Airport Modernization project, Mumbai by M/s Mumbai International Airport Private Limited - regarding.

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Reference is invited to the letters No.MIAL/PR/193, dated 19.1.2007 and No.MIAL/PR/247, dated 8.3.2007 from Airports Authority of India on the subject mentioned above.

The project pertains to expansion and modernization of Chhatrapati Shivaji International Airport, Mumbai by M/s Mumbai International Airport Private Limited. The above project is being undertaken within the airport complex. The phase-I component will be taken up between 2006-2010. The components for the phase-I involves development of existing terminals, expansion of aprons and parking bays, construction of taxi ways, parking, services which includes Sewage Treatment Plant etc. In the phase-II which will be taken up during 2010-2015 the ATC will be relocated further expansion of terminals and aprons would be taken up. For the phase -I 16,39,759 sq mts land would be required while phase-II 8,02,145 sq mts land would be required. The cost of the phase I is about Rs.5400 Crs and phase II is Rs.1200 Crs. Water from Municipal Corporation of Greater Mumbai is the only existing source of water to Chhatrapati Shivaji International Airport. Water supply to all terminal buildings is from trunk mains of Mumbai Municipal Corporation (MMC). The existing water requirement is 8.2 MLD while in Phase I it will be 13.46 and at the end of phase II is 18.03 MLD. This additional water will be met from the MMC. This water is being used for drinking and cleaning purpose, horticulture, fire fighting and miscellaneous works. The rainwater harvesting system is considered to augment water in fire fighting tanks. Sewage Treatment Plant is proposed. It is proposed to treat and reuse wastewater at airport. The total solid waste that would be generated by demolition of the existing structures and due to the construction activity is approximately 2,92,000 cu m. This waste (debris) would be disposed as per Construction, Demolition and De-silting Waste (Management and Disposal) Rules, 2006 of Municipal Corporation of Greater Mumbai.

The proposal has been examined and the environmental clearance to this project is hereby accorded under Environmental Impact Assessment Notification, 2006 and interim guidelines circular dated 13.10.2006 subject to effective implementation of the following conditions and environmental safeguards:

A. Specific conditions:

- (i) The project proponent should implement all the environmental measures listed under Phase I & II of the project.
- (ii) Appropriate acoustic panels or other measures including installing diffuser in the main run way should be provided to mitigate the noise levels especially along the interface with surrounding habitations. The monitoring of noise level in and around the airport must be regularly conducted and data furnished to the Authorities including State Pollution Control Board.
- (iii) The Mithi river portion falling along the project area should be desilted and cleaned.
- (iv) All recommendations listed in the DMP report should be implemented.
- (v) No Objection Certificate from the Maharashtra State Pollution Control Board should be obtained before initiating the project.

- (vi) The terminal building should be designed taking into account the National Building Code guidelines and local heritage values.
- (vii) The treatment facility and the treated effluent should meet the standards prescribed by Central Pollution Control Board.
- (viii) The project proponent should provide a copy of the approval letter from the local Municipal Authorities for supplying the drinking water. The usage water and municipal water may be furnished to this Ministry within three months from the date of receipt of this letter.
- (ix) No additional groundwater should be tapped to meet the water requirement of the project.
- (x) A detailed plan should be worked out for proper disposal of solid waste generated in the airport.
- (xi) A certificate from Director General of Civil Aviation, certifying the aeronautic feasibility of the airport location, alignment of runway etc., should be provided for record within six months from the date of receipt of this letter.
- (xii) Necessary rain harvesting facilities should be provided to meet the part of the water requirement.

#### B. General Conditions:

- (i) Construction of the proposed structure should be undertaken meticulously conforming to the existing Central/local rules. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments/Agencies.
- (ii) ~~A well-equipped laboratory with suitable instruments to monitor the quality of air and water shall be set up. The quality of ambient air and water shall be monitored periodically in all seasons and the results should be properly maintained for inspection of the concerned pollution control agencies. The periodic monitoring reports at least once in 6 months must be sent to this Ministry (Regional Office at Bhopal) and State Pollution Control Board.~~
- (iii) Adequate provisions for infrastructure facilities such as water supply, fuel for cooking, sanitation etc., must be provided for the laborers during the construction period to avoid damage to the environment. It should also be ensured that the construction workers do not cut trees including mangroves for fuel wood purpose.
- (iv) To prevent discharge of sewage and other liquid wastes into the water bodies, adequate system for collection and treatment of the wastes must be provided.
- (v) The project authorities should take appropriate community development and welfare measures for the villagers in the vicinity of the project site, including drinking water facilities. A separate fund should be allocated for this purpose.
- (vi) The quarrying material required for the construction purpose shall be obtained only from the approval quarries/borrow areas. Adequate safeguard measures shall be taken to ensure that the overburden and rocks at the quarry site do not find their way into water bodies.
- (vii) For employing unskilled, semi-skilled and skilled workers for the project, preference shall be given to local people.
- (viii) The recommendations made in the Environment Management Plan and Disaster Management Plan, as contained in the Environmental Impact Assessment and Risk Analysis Reports of the project shall be effectively implemented.

(ix) A separate Environment Management Cell with suitably qualified staff to carry out various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.

(x) The project affected people, if any should be properly compensated and rehabilitated.

(xi) The funds earmarked for environment protection measures should maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry.

(xii) Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection of monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.

(xiii) In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification on the clearance conditions or imposition of new ones for ensuring environmental protection. The project proponents should be responsible for implementing the suggested safeguard measures.


(xiv) The Ministry reserves the right to revoke this clearance, if any of the conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.

(xv) The Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.

(xvi) ~~The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned~~ informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Committee and may also be seen at Website of the Ministry of Environment & Forests at <http://www.envfomic.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.

(xvii) The Project proponents should inform the Regional Office at Bhopal 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.

The above-mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989.

  
(Dr. A. Senthil Vel)  
Additional Director

To

✓ Shri R. K. Jain,  
President,  
Mumbai International Airport Private Limited,  
Chhatrapati Shivaji International Airport,  
1<sup>st</sup> Floor, Terminal 1B, Santacruz (E), Mumbai-400099.

**Copy to:-**

1. Chairman, Maharashtra State Coastal Zone Management Authority, & Principal Secretary, Environment Department, Mantralaya, Mumbai-400032.
2. Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office, Western Region, "Kendriya Paryavaran Bhavan", Link Road No.3, Ravishankar Road, Bhopal -462016 (M.P.).
3. The Member Secretary, Maharashtra State Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> & 4<sup>th</sup> Floor, Sion Matunga Scheme Road No. 8, Opp, Cine Planet Cinema; Near Sion Circle, Sion (East), Mumbai-400022.
4. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, Delhi -110032.
5. Director (EI), Ministry of Environment and Forests.
6. The Regional Office Cell, MoEF.
7. Guard File.
8. Monitoring File.

  
(Dr. A. Senthil Vel)  
Additional Director