

No.10-79/2007-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 1st November, 2007

Sub: Construction of New Integrated Passenger Terminal Building and Apron at Mangalore Airport by Airports Authority of India – regarding.

Reference is invited to the letters No.AAI/ML/AD/NEW INT.TB/2007/1317, dated 24.7.2007, No.AAI/ML/AD/NITB/07-08/4344, dated 17.8.2007 and No.AAI/ML/ENGG(CIVIL)/NITB07, dated 18.10.2007 from Airports Authority of India (AAI), Mangalore Airport and No.SA/262/2007, dated 30th August, 2007 from M/s Sikka Associates on the above subject.

2. The project involves construction of a new integrated passenger terminal building and apron at Mangalore Airport. As per the letter the Mangalore Airport has been functioning since, 1951 at Bajpe. Airport has now got two runways and four parking stands. Over a period of time the traffic has considerably increased from 2.77 lakhs passengers per annum in 2002 to 7.5 lakhs passengers per annum in 2007. The number of aircrafts taking off and landing has also increased. At present, about 6500 aircraft movements are recorded in a year. Keeping in view the increase in the passenger traffic, the AAI has planned construction of a new terminal building with capacity to handle 500 passengers within area of 18,200 sq mts at a cost of Rs.147 crores. This cost includes construction of the building which is Rs.83 crores for building and Rs.35 crores for equipments and facilities such as conveyor belts, X-ray machine, aerobridge etc. The new apron will cover an area of 43,620 sq m, with capacity to handle 4A-310 and A-321 and will have 2 link taxiways. The total additional water requirement is about 400 m³/day. The sewage generated would be 50 m³/day. At present there is no Sewage Treatment Plant (STP). The Mangalore airport proposes to set up a STP for treating the entire sewage with a Sewage Treatment Plant of 100 cu m/day. The solid waste generated will be sent to the authorized municipal waste dumping area. In order to avoid congestion the traffic movement approach road from city will be made one way to the terminal by a four lane road at ground floor level. Separate entries and exits for cars, taxis will be provided. Further, about 75% of the area i.e., 30.41 acres will be used for green belt development.

3. Rainwater harvesting structures from the roof to will also be provided. With regard to energy conservation it is indicated that double skin metal roofing with thermal insulation is proposed in the terminal building to reduce AC load. The glass will be insulated with heat reflectors.

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

A. Specific conditions:

- (i) No additional land should be acquired for the project outside the existing airport limits.
- (ii) The project proponent should ensure that afforestation will be carried out thrice the number of trees that have been cut.
- (iii) The project proponent should ensure that the solid waste generated from various sources within the airport complex disposed of as per norms laid down by the central and state agency.

(iv) The project proponent should install adequate measures to harvest rainwater to meet atleast 25% of the water requirement of the airport.

(v) Sewage and other liquid effluent generated from the airport including from the existing terminal should be treated and disposed of as per the norms laid down by the State Pollution Control Board. Adequate sewage treatment facility to treat the entire effluent generated from the airport should be provided.

(vi) The quarry material required for construction of the project should be brought from approved quarries.

(vii) All conditions stipulated by the State Pollution Control Board, Groundwater Authority etc., should be strictly implemented.

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 Bangalore) 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 labourers 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 Bangalore 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.envfornic.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 Bangalore.

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

5. 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

Airports Authority of India,
Rajiv Gandhi Bhavan,
Safdarjung Airport,
New Delhi – 110003.

Copy to:-

1. The Member Secretary, Karnataka State Pollution Control Board, Parisar Bhawan, 49, 4th and 5th Floor, Church Street, Bangalore-560 001, Karnataka.
2. Member Secretary, Karnataka State Coastal Zone Management Authority, Department of Forest Environment and Ecology, Karnataka Government Secretariat-II, 7th Floor, 4th Stage, Multistoreyed Building, Dr. B. R. Ambedkar Veedhi, Bangalore – 560001.
3. Airport Director, Airports Authority of India, Office of the Airports Director, Mangalore Airport, P.O. Bajpe-574142.
4. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, Delhi –110032.
5. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, 1 Block, Koramangala, Bangalore – 560034.
6. Director (EI)

7. The Regional Office Cell, MoEF.
8. Guard File.
9. Monitoring File

(Dr. A. Senthil Vel)
Additional Director