

F.No.10-2/2016-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 7th June, 2017

To,

The Managing Director,
Bhogapuram International Airport Corporation Ltd,
10-2-1, 3rd Floor, FDC Complex,
AC Guards,
Hyderabad – 500 028 (Telangana)

Sub: Development of Greenfield Airport at village Damavaram and KK Gunta, Mandal Dagadarthi, District Nellore, Andhra Pradesh by M/s Bhogapuram International Airport Corporation Ltd. - Environmental Clearance - reg.


Sir,

This has reference to your online Proposal No. IA/AP/MIS/36165/2015 dated 27th January, 2017, submitting to this Ministry for grant of Environment Clearance in term of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project of '**Development of Greenfield Airport**' at village Damavaram and KK Gunta, Mandal Dagadarthi, District Nellore, Andhra Pradesh promoted by M/s Bhogapuram International Airport Corporation Limited was considered by the Expert Appraisal Committee (EAC) (Infra-2) in the Ministry, in its meeting held on 13th-15th February, 2017.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said EAC meeting, are reported to be as under:-

- (i) The project is for Development of Greenfield Airport at village Damavaram and KK Gunta, Mandal Dagadarthi, District Nellore, Andhra Pradesh promoted by M/s Bhogapuram International Airport Corporation Limited.
- (ii) The current proposal is for Phase-I of the Airport where the airstrip will be developed to cater for operation of ATR-72 type of aircraft. It will also involve construction of new runway with all allied facilities like terminal building wall, perimeter roads and parking facilities. However, the land acquired taking into consideration for future expansion provision in Phase II.
- (iii) The total land required for the proposed project is 236 ha (584 acres). Out of which, 460 acres of land will be used for airside development, 100 acres of land will be used of cityside development and 24 acres of land will be used for approached road.
- (iv) It is reported that no R&R issues involved as no home oustees associated and the land has been purchased by the State Government under agreeable conditions.
- (v) The present EIA/EMP Report is prepared for Phase-I of development. However, the land acquired takes into consideration future expansion provision in Phase II as mentioned hereafter.



- (vi) In the initial stage (Phase-I), the airstrip will be developed to cater for operation of ATR-72 type of aircraft in all weather conditions having passengers carrying capacity of 70 Nos. This will involve construction of new runway with all allied facilities like terminal building (4000 m²), Apron, Apron shoulder, taxi track, runway shoulder, boundary wall, perimeter roads and parking facilities.
- (vii) No wildlife sanctuary is located within 10 km distance. Dagadarthi Extension RF is 0.25 km away from the proposed site. Water body namely Ramanna Cheruvu is located at a distance of 1.3 km east direction.
- (viii) Damavaram Village is the nearest settlement from the project site located at 0.59 km. A hill of elevation varying from 30m to 60m is running in North south direction on 09 end of the runway. This hill is an obstruction in the approach path of the aircraft and need to be chopped to obtain a clear path for flight operations. The cutting/chopping of hill shall be approximately 10,00,000 cum.
- (ix) The ambient air quality monitoring was carried out at 9 locations during March-May, 2016 and submitted baseline data indicates that ranges of concentrations of PM₁₀ (39.9 µg/m³ to 65.2 µg/m³), PM_{2.5} (13.9 µg/m³ to 26.4 µg/m³), SO₂ (5.9 µg/m³ to 11.8 µg/m³), NO₂ (10.2 µg/m³ to 18.8 µg/m³), CO (0.54 mg/m³ to 1.34 mg/m³) and HC (1.02 ppm to 4.26 ppm) respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.87 µg/m³, 7.89 µg/m³, 10.1 µg/m³ and 1.26 µg/m³ with respect to SO₂, NO₂, CO and HC. The resultant concentrations are within the NAAQS.
- (x) Adequate stack height will be provided to DG sets (1x320 KVA + 1x 250 KVA).
- (xi) Total fresh water requirement from Nellor municipality water supply will be 188 m³/day. Sewage generation will be 58.2 m³/day and treated in the STP. The recycled treated sewage water will be used for cooling tower make up, flushing and horticulture purpose.
- (xii) No treated sewage will be discharged outside the airport premises. The storm water shall be designed to ensure that no water logging occurs within the airport premises. The rooftop will be used for rain water harvesting and will be used for beneficial purposes. In addition, sufficient number of rainwater recharge pit will be provided. Organic solid waste will be treated in organic waste convertor.
- (xiii) The tentative cost estimate is around Rs. 76.49 Crores for Phase-I.
- (xiv) **Employment potential:** The proposed project involves some ancillary development of other facilities like hotel, various commercial offices and outlets; institutional organization etc. All these will encourage increased employment of educated as well as less educated and even uneducated people depending on the nature concerns.
- (xv) **Benefits of the project:**
- The proposed airport at Dagadarthi will decrease the air traffic load at the existing Vishakhapatnam and Hyderabad airports as its capacity will be exhausted in next few years.
 - Improvement in all-weather air connectivity of the region with rest of the state and country from strategic and commercial point of view.
 - Employment opportunity to people directly and indirectly.
 - Development of tourism in the state of Andhra Pradesh to benefit in terms of revenue

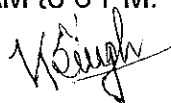


- (xvi) **ToR Details:** The ToR for the project was granted on 18th February, 2016.
- (xvii) **Public Hearing:** The Public Hearing for the project was held on 5th January, 2017 at the project site in, village Damavaram and K.K. Gunta Gram Panchyats, Dagadarthi Mandal SPSR Nellore district.

4. The EAC, after detailed deliberations on the proposal, has recommended the project for grant of Environmental Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project of '**Development of Greenfield Airport**' at village Damavaram and KK Gunta, Mandal Dagadarthi, District Nellore, Andhra Pradesh promoted by M/s Bhogapuram International Airport Corporation Ltd. under the provisions of the EIA Notification, 2006 and amendments thereto, subject to the compliance of the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS

- (i) As proposed, environmental clearance is for Phase - I development of Airport project.
- (ii) Project Proponent shall be obtained clearance from Directorate General of Civil Aviation (DGCA) and Airports Authority of India (AAI) for safety and project facilities.
- (iii) The land acquisition / purchase shall be in conformity to the LARR Act, 2013 and any other laws and regulations governing land acquisition.
- (iv) The proposed construction site shall be adequately barricaded before the construction to be begun.
- (v) Soil and other construction materials shall be sprayed with water prior to any loading, unloading or transfer operation to be happen, to maintain the dusty material wet.
- (vi) The soil/construction materials carried by the vehicle shall be covered by impervious sheeting to ensure that the dusty materials to be not leaked from the vehicle.
- (vii) The excavation working area shall be sprayed with water after operation to maintain the entire surface wet.
- (viii) Soil stockpile shall be managed in such a manner that dust emission and sediment runoff to be minimized. The soil stockpiles to be designed with no slope greater than 2:1 (horizontal/vertical). Top soil shall be separately stored and used in the development of green belt.
- (ix) A detailed drainage plan for rain water shall be drawn up and implemented.
- (x) Ground water abstraction and rain water recharge shall be followed as prescribed by the Central Ground Water Authority (CGWA). A clearance of the CGWA shall be obtained in this regards.
- (xi) Noise from vehicles and power machinery and equipment on-site shall not be exceed the prescribed limit. Equipment shall be regularly serviced and attention to be given to muffler maintenance and enclosure of noisy equipment.
- (xii) Where construction activity is likely to cause noise nuisance to nearby residents, restrict operation hours between 7 AM to 6 PM.



- (xiii) Solid inert waste found on construction sites consists of building rubble, demolition material, concrete; bricks, timber, plastic, glass, metals, bitumen etc shall be reused/recycled or disposed off as per Solid Waste Management Rule, 2016.
- (xiv) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase shall be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets shall be equal to the height needed for the combined capacity of all proposed DG sets. The fuel shall be used low Sulphur diesel. The location of the DG sets shall be decided with in consultation with State Pollution Control Board.
- (xv) Aircraft maintenance, sensitivity of the location where activities are undertaken, and control of runoff of potential contaminants, chemicals etc shall be properly implemented and reported.
- (xvi) Proper drainage systems, emergency containment in the event of a major spill during monsoon season etc shall be provided.
- (xvii) The runoff from paved structures like Runways, Taxiways, may be routed through drains to oil separation tanks and sedimentation basins before being discharged into rainwater harvesting structures.
- (xviii) Storm water drains shall be built for discharging storm water from the air-field to avoid flooding/water logging in project area during monsoon season / cloud bursts.
- (xix) Rain water harvesting for roof run-off and surface run-off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.
- (xx) Total fresh water requirement from Nellor municipality water supply shall not exceed 188 m³/day.
- (xxi) Wastewater generation shall not exceed 58.2 KLD and treated in the STP. Treated sewage shall be recycled/reused for cooling tower make up, flushing and horticulture.
- (xxii) Acoustic enclosures for DG sets, noise barriers for ground- run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- (xxiii) During airport operation period, noise shall 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. A monitoring station for ambient air and noise levels shall be provided in the village nearest to the airport.
- (xxiv) The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016. Recycling of wastes such as paper, glass (produced from terminals and aircraft caterers), metal (at aircraft maintenance site), plastics (from aircrafts, terminals and offices), wood, waste oil and solvents (from maintenance and engineering operations), kitchen wastes and vegetable oils (from caterers) shall be carried out.
- (xxv) Traffic congestion near the entry and exit points from the roads adjoining the Airport shall be avoided. Parking should be fully internalized and no public space should be utilized.
- (xxvi) Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building shall be integral part of the project design and should

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be in place before project commissioning. Used CFLs and TFLs shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.


- (xxvii) An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the district.
- (xxviii) The concerns of the Public hearing panel shall be suitably addressed to and the recommendations adopted as part of the Environmental Management Plan and in the plan for C.S.R. as applicable.
- (xxix) A water security plan to the satisfaction of the CGWA shall be drawn up to include augmenting water supply and sanitation facilities and recharge of ground water in at least two villages and schools, as part of the C.S.R. activities.

PART B – GENERAL CONDITIONS

- (i) The project authorities must strictly adhere to the stipulations made by the SPCB, State Government and any other statutory authority.
 - (ii) No further modification of expansion in the project shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to this Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
 - (iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all the sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the EPA Rules, 1989 viz. 78 dBA (daytime) and 70 dBA (night-time).
 - (iv) A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
 - (v) Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be used to implement to conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.
5. The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
6. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat / Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom any suggestion/ representation, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.




7. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.
8. 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 Clearance conditions and shall also be sent to the respective Regional Office of MoEF&CC by e-mail.
9. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with SPCB and may also be seen at website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. This shall be advertised within Seven days from the date of receipt of the Clearance letter at least two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office of this Ministry.
10. The project authorities 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 commencing of land development work
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions, if necessary. The company in a time bound manner shall implement these conditions.
13. 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.
14. Any appeal against this 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.
15. The above stipulations will be enforced inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability (Insurance) Act, 1991 along with their amendments and rules.
16. This issues with the approval of the Competent Authority.


(Dr. Vinod K. Singh)
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Copy to:

1. The APCCF (C), Ministry of Environment, Forest and Climate Change, Regional Office, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34.

2. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Hyderabad, A.P.
3. The Chairman, Andhra Pradesh Pollution Control Board, Paryavaran Bhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad – 18, Andhra Pradesh.
4. Guard File.
5. Monitoring Cell.


(Dr. Vinod K. Singh)
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