



**Letter No. SEIAA / TN / F. 241 / EC / 8(a)/123/2012. Dt.05.12.2012.**

To

The Authorised Signatory,  
M/s. IIT Madras Research Park,  
No. 1FA, First Floor,  
Kanagam Road,  
Taramani,  
Chennai – 600 113.

Sir,

Sub: SEIAA, TN - Environmental Clearance - construction of M/s. Indian Institute of Technology, Madras Research Park, T.S. No. 2/D [p], 2/F, Block No.6, Kanagam Village, Mambalam-Guindy Taluk, Chennai District – Issued – Regarding

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This has reference to your application dated 17.06.2009 submitted to the State Level Environment Impact Assessment Authority, Tamil Nadu seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006, as amended.

It is noted, interalia that the project proposal involves building construction to develop a Research park in the name and style of M/s. Indian Institute of Technology, Madras Research Park, T.S. No. 2/D [p], 2/F, Block No.6, Kanagam Village, Mambalam-Guindy Taluk, Chennai District with DBF + Ground Floor + 11 Floors + 12<sup>th</sup> Floor Part ( with shops, restaurants, offices, food court, incubations, auditoriums, 80 guest rooms and canteens) and the Research Park will accommodate 1620 occupants.. The total built up area is reported as 40,588.88 sq. m over the plot area of 47,228.22 sq. m. The car parking area and the green belt area are reported as 11,173.26 sq. m. and 9,511.08 sq. m respectively.

Total water requirement for the project is 98.4 KLD, which will be met from the CMWSSB. The sewage generated is 78.7 KLD which will be treated

and utilized for chiller plant (30 KLD), green belt development (28 KLD) and toilet flushing (20 KLD), as reported.

Solid Waste generation has been projected as 324 Kg/day. The Bio - Degradable waste ( 130 kgs. / day) will be composted in the organic waste converter and the recyclable waste (194 kgs. / day) will be given to authorized recyclers, as reported.

The power required is of 1100 KVA with backup power of 2 Nos. DG set of capacity 1500 KVA, each.

The total cost of the project is about Rs.94 crores.

The project activity is covered in 8(a) of the Schedule and is of 'B2' category. It does not require Public Consultation as per Para 7(i) III Stage (3) (d) 'Public Consultation' of EIA Notification, 2006. The proposal was appraised by the SEAC in the 24<sup>th</sup> meeting held on 10<sup>th</sup> and 11<sup>th</sup> February 2011 and also in the 27<sup>th</sup> meeting held on 13<sup>th</sup> September 2012 and certain details were called for. Subsequently, the proposal has been appraised by the SEAC in its 28<sup>th</sup> meeting held on 28.09.2012 and the SEAC recommended the project proposal for grant of EC to SEIAA, on the basis of the mandatory documents enclosed with the application viz., the Application in Form-1, Form-IA, Conceptual Plan, and the other documents / additional clarifications furnished by the proponent.

The proposal was considered by the SEIAA, Tamil Nadu vide Item No. 57- 13 in its meeting held on 28.11.2012 and the proposal was discussed in detail and decided to issue EC. Accordingly, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 as amended, with **validity for five years from the date of issue of EC**, subject to the strict compliance of the terms and conditions stipulated below:

### **SPECIFIC CONDITIONS**

#### **Construction Phase**

- i) Consent under Water (P&CP) Act 1974 and Air (P&CP) Act 1981 shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.

- ii) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.
- iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating in windows shall be used.
- iv) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- v) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- vi) Adequate fire protection equipments and rescue arrangements should be made.
- vii) Proper approach road for fire fighting vehicles and for rescue operations in the event of emergency shall be made.
- viii) Design of buildings should be in conformity with the Seismic Zone Classification.
- ix) All ECBC norms to be adopted.

### **Operation Phase**

- i) Water required for the entire operation phase shall be drawn only from CMWSSB as reported. No borewell or any other source of water supply shall be effected.
- ii) Sewage generated during the entire operation stage is to be treated and utilized for Chiller Plant, Green belt development and flushing only and no sewage shall be let outside the premises either directly or indirectly.
- iii) The proponent shall provide and operate solar water heaters, solar street lamps, CFL and t-15 lighting fixtures, High lumen output fluorescent lamps, gearless lift etc as energy conservation measures, as reported.

- iv) The proponent shall provide U-V treatment for disinfection instead of chlorination process in the Sewage Treatment Plant.
- v) The proponent shall provide and operate Organic Waste Converter for converting the organic waste into manure and the produced manure shall be effectively utilized for green belt development.
- vi) The proponent shall ensure that storm water drain provided at project site shall be maintained without chocking for stagnation and should also ensure that the storm water shall be properly disposed in the natural drainage / channels without disrupting the adjacent public.
- vii) The proponent should also ensure that necessary trenches for openings shall be provided at periodic intervals along the compound wall, so as to let out the storm water during rainy season, without stagnation / ponding.
- viii) The proponent should also ensure to keep necessary road width as per O.M. dated 7.2.12 of MOEF, GOI, New Delhi with respect to high rise buildings.
- ix) The proponent shall ensure that rain water collected from the covered roof of the buildings, etc shall be scientifically harvested so as to ensure the maximum beneficiation of rain water harvesting.
- x) Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.
- xi) A First Aid Room shall be provided during operation of the project, with necessary equipments and life- saving medicines.
- xii) The plastic wastes shall be segregated and disposed as per the provisions of plastic waste (M & H) Rules 2011.
- xiii) The e-wastes generated from the premises shall be disposed through the authorised recyclers only and the proponent shall obtain authorization under e-waste (Management and Handling) Rules 2011.
- xiv) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, etc. and the noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.

- xv) The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable variety.
- xvi) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
- xvii) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.
- xviii) Traffic congestion near the entry and exit points from the roads adjoining the proposed projects site shall be avoided. Parking shall be fully internalized and no public space should be utilized.
- xix) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.

### **GENERAL CONDITIONS**

- i) It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.
- ii) In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained.
- iii) The SEIAA reserves the right to add additional safeguard measures subsequently, if found non compliance of EC conditions and to take action including revoking of this Environmental Clearance as the case may be.
- iv) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980

and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.

- v) The project authorities should advertise with basic details at least in two local newspaper widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of issue of clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bangalore.
- vi) 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, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (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.
- vii) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Corporation of Chennai and the Local NGO, if any, from whom suggestions /representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the proponent.
- viii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- ix) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Bangalore.
- x) The Regional Office of the Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should

extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

- xi) The project proponent shall submit six - monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bangalore, the respective Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board.
- xii) The environmental statement for each financial year ending 31<sup>st</sup> 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 environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bangalore by e-mail.
- xiii) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
- xiv) This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
- xv) The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xvi) The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- xvii) Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

xviii) The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules , 2010 framed under MMDR Act 1957,National Commission for protection of Child Right Rules ,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.

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

  
**MEMBER SECRETARY,  
SEIAA-TN.**

Copy to:-

1. The Principal Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ), Kendriya Sadan, IV floor, E&F wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore - 560034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The Commissioner, Corporation of Chennai, Chennai.
7. The Superintending Engineer, CMWSSB, Pumping station Road, Chennai -2.
8. Stock File.