



**State Level Environment Impact Assessment Authority (SEIAA)**

**Andhra Pradesh**

**Government of India**

**Ministry of Environment, Forests & Climate Change**

**A-3, Industrial Estate, Sanathnagar, Hyderabad-500 018.**

BY REGD POST WITH ACK DUE

**Order No. SEIAA/AP/ANT/CON/04/2017/320 -**

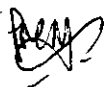
**Dt: 05.06.2017.**

**Sub: SEIAA, A.P. - Development of Industrial Park by M/s Andhra Pradesh Industrial Infrastructure Corporation Ltd. (APIIC) at Survey Nos. 134-1, 2, 138-1B, 2B, 139, 140, 141-1, 2, 142-1to3, 143-1, 4, 5, 151-2, 3, 188-1, 2, 189-1B, 2B, 3B, 4C, 5B, 190-1to3, 191-1B, 2, 3, 4B, 5B, 192-2, 193-1to6, 194-1Ato1F, 194-2to24, 195, 335-1to10, 12, 14, 15, 18, 28to31, 336to338-1to5, 339-1to9, 340-1to3, 341-1to3, 342, 343-1A, 1B, 2to9, 344, 345, 346, 347-1, 2, 348-1Ato1D, 2A, 2B, 349-1, 2, 350-1, 2, 351-1, 2, 352-1, 2, 353-1, 2, 354-1, 2A, 2B, 355to357, 369-1, 370-1, 2, 371, 373, 374, 375-1, 2, 376-1, 2, 3, 377-1, 2, 378, 379, 381to383, 515-1, 2, 516-1to3, 518-1to5, 7, 517, 611-1to6, 612-1A, 1B, 2, 3, 613-1to6, 614-1to16, 615-1, 616-1, 3to5 at Erramanchi (V), Penukonda (M), Anantapur Dist, Andhra Pradesh - Environmental Clearance - Issued - Reg.**

- I. This has reference to your application submitted through online on 17.05.2017, seeking Environmental Clearance for the proposed Development of Industrial Park by Andhra Pradesh Industrial Infrastructure Corporation Ltd., (APIIC) at Survey Nos. 134-1, 2, 138-1B, 2B, 139, 140, 141-1, 2, 142-1to3, 143-1, 4, 5, 151-2, 3, 188-1, 2, 189-1B, 2B, 3B, 4C, 5B, 190-1to3, 191-1B, 2, 3, 4B, 5B, 192-2, 193-1to6, 194-1Ato1F, 194-2to24, 195, 335-1to10, 12, 14, 15, 18, 28to31, 336to338-1to5, 339-1to9, 340-1to3, 341-1to3, 342, 343-1A, 1B, 2to9, 344, 345, 346, 347-1, 2, 348-1Ato1D, 2A, 2B, 349-1, 2, 350-1, 2, 351-1, 2, 352-1, 2, 353-1, 2, 354-1, 2A, 2B, 355to357, 369-1, 370-1, 2, 371, 373, 374, 375-1, 2, 376-1, 2, 3, 377-1, 2, 378, 379, 381to383, 515-1, 2, 516-1to3, 518-1to5, 7, 517, 611-1to6, 612-1A, 1B, 2, 3, 613-1to6, 614-1to16, 615-1, 616-1, 3to5, Erramanchi (V), Penukonda (M), Anantapur District, Andhra Pradesh. The capital cost of the project is Rs. 300 Crores.
- II. It was reported that total site area of the proposed project is Ac. 592 (239.57 Ha), out of which Ac. 363.0 is proposed for the Industrial Plots. Out of the total area, Road area is Ac. 53.9; Open space is Ac. 16.3; Utility services area is Ac. 30.0; and Support services area is Ac. 51.6; Drain channel is - Ac.25.4. Green buffer area is Ac. 51.8.
- III. The source of fresh water is Gollapalli Reservoir. The total water requirement shall not exceed 3500 KLD. The water requirement during the construction phase is 300 KLD and during the operation phase is 3500 KLD out of which fresh water is 1000 KLD and recycled water is 2500 KLD. The water requirement for Industrial purpose - 2600 KLD, Domestic 200 KLD. Landscaping -400 KLD and Fire fighting demand -300 KLD. The total waste water generated is 2800 KLD for which the Integrated Treatment Plant -2800 KLD is proposed comprises of STP and ETP (for different streams) and the treated waste water is to be reused. Provision shall be made in the master plan for the adequate space for temporary storage facility for Municipal waste (canteen wastes, domestic wastes, papers etc.) as per the Solid Waste Management Rules, 2016. Used Oil/Spent oil & used batteries, containers/barrels/liners contaminated with HW/chemicals and sludge from oil water separator shall be collected and disposed to authorized recyclers or TSDF. Hazardous wastes, if any shall be handled as per Hazardous Waste (Management & Handling) Rules, 2016.

*[Handwritten Signature]*

IV. The proposal has been examined and processed in accordance with EIA Notification, 2006 & its amendments thereof. The State Level Expert Appraisal Committee (SEAC), A.P. has examined the proposal in its meetings held on 27.04.2017 & 19.05.2017. The representatives of the project proponent - M/s.APIIC and their consultant M/s. L&T Infrastructure Engineering Limited., have attended the meeting and presented the final EIA report for their proposed project for Development of Industrial Park. Also stated that M/s.APIIC proposed to develop sector specific Industrial Park near Erramanchi village, Penugonda mandal, Anantapur District, Andhra Pradesh in an extent of area around 592 acres. The total area of the proposed sector specific Industrial Park is around 592 acres. Out of the total area, 363 acres (61.32 %) is proposed for developing Automobile Industries, 5.07% of land is designated for utilities, 8.72% of land is allocated for support services and the remaining area under green buffer, open spaces and diversion canal. APIIC is advance stage for acquiring the land and filed the requisition. The infrastructure development being proposed includes basic facilities like internal roads, water supply, storm water drains, power supply, internal street lighting, site grading, parking facilities, etc to suit the sector specific requirements. During this meeting, the project proponent stated that for the wastewater treatment Common Effluent Treatment Plant (CETP) of 2.8 MLD is proposed. The wastewater shall be received at the CETP and its pathway of treatment shall be arrived at based on the nature of the characteristics of the wastewater. Preliminary details of the Integrated Treatment Plant will comprise of an STP and ETP (for different streams). The Committee noted that this proposal was earlier appraised in the SEAC meeting held on 27.04.2017 and recommended for issue of Standard Terms of Reference (TOR) with exemption of public hearing for this proposed project as there is no Category 'A' industry envisaged in the proposed Industrial Park and common Effluent Treatment Plant (CETP) is the only Category 'B' activity being part of the proposed project. The SEIAA, A.P. issued TOR to the project proponent on 12.05.2017 to prepare EIA based on the Standard TOR with exemption of public hearing and submit to the SEAC for appraisal. The APIIC has filed the application for Environmental Clearance through online along with the final EIA report on 17.05.2017. Also the Committee noted that M/s.APIIC is proposes to develop the Industrial Park (IP) for the automobile industries in an extent of area - 239.58 Ha (592 acres) and the proposed project activity falls under Category B and item : 7 ( c ) of the schedule of the EIA Notification 2006-Industrial estates/ parks. The Committee recommended for **issue of Environmental Clearance** to this proposed Project: APIIC-Development of Industrial Park (IP) for the automobile industries, by stipulating the standard conditions with additional conditions: (i).The effluents from the individual industries in proposed Industrial Park shall be collected and the treated in Integrated Treatment Plant will comprises of an STP and ETP (for different streams) and the treated effluents shall be given to industries in the proposed Industrial Park and partly to be utilised for greenbelt development within the proposed Industrial Park.. ii) The developer: APIIC shall not establish any category 'A' industry in the Industrial Park. (iii). The developer:APIIC shall ensure to maintain the greenbelt 33% of the area. The State Level Environment Impact Assessment Authority (SEIAA), A.P. in its meetings held on 27.05.2017 examined the proposal and agreed with the recommendations of SEAC, A.P. and decided to issue Environmental Clearance. The SEIAA, A.P hereby **accords prior Environmental Clearance to the project** as mentioned at Para No. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following Specific and General Conditions:

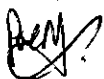


**PART – A: SPECIFIC CONDITIONS:**

- I. (The effluents from the individual industries in proposed Industrial Park shall be collected and the treated in Integrated Treatment Plant will comprises of an STP and ETP (for different streams) and the treated effluents shall be given to industries in the proposed Industrial Park and partly to be utilized for greenbelt development within the proposed Industrial Park.
- II. The developer: APIIC shall not establish any category 'A' industry in the Industrial Park.
- III. The developer: APIIC shall ensure to maintain the greenbelt 33% of the area. The Solid waste management as per the Solid Waste Management Rules, 2016, applicable for Construction Projects

**I. Construction Phase:**

- i. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- ii. A First Aid Room shall be provided in the project both during construction and operation of the project.
- iii. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- iv. 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.
- v. 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.
- vi. 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.
- vii. Any hazardous waste including biomedical waste, if any, should be disposed of as per applicable Rules & norms with necessary approvals of the Andhra Pradesh Pollution Control Board.
- viii. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to E (P) Rules prescribed for air and noise emission standards.
- ix. Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.



- x. Ambient noise levels should conform to the residential standards both during day and night as notified by the MoE&F, GOI from time to time. 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 the CPCB.
- xi. As per the provisions of Fly Ash Notification No: S.O. 2804 (E), dt. 03.11.2009, every construction agency engaged in the construction of buildings within a radius of hundred kilometers from a coal or lignite based thermal power plant shall use only fly ash based products for construction, such as: cement or concrete, fly ash bricks or blocks or tiles or clay fly ash bricks, blocks or tiles or cement fly ash bricks or bricks or blocks or similar products or a combination or aggregate of them in every construction project.
- xii. Ready mixed concrete must be used in building construction.
- xiii. Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
- xiv. Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.
- xv. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xvi. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- xvii. 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.
- xviii. Use of glass may be reduced by 40% to reduce the electricity consumption and load on air-conditioning. If necessary, high quality double glass with special reflective coating in window is to be used.
- xix. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- xx. Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.
- xxi. 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.
- xxii. 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 lightning etc.
- xxiii. 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.



## II. Occupational Phase:

- i. The installation of the Integrated Treatment Plant should be certified by an independent expert and a report in this regard should be submitted to the SEIAA before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms & standards of the Andhra Pradesh Pollution Control Board. Sewage Treatment Plant should be monitored on a regular basis. No effluent shall be disposed outside the premises of the Industrial Park and Zero Liquid Discharge Concepts shall be adopted.
- ii. As an integral part of the park, the APIIC shall build the Common Effluent Treatment Plant and make it ready to be used by the project proponents in the park, similar to other infrastructures such as Roads and drainage systems.
- iii. Greenbelt shall be developed in an area 33% of the total area of the Industrial Park along the boundary, vacant places and within the industrial plots.
- 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.
- v. The solid waste generated should be properly collected & segregated before disposal to the City Municipal Facility. The organic waste shall be composted.
- vi. The D.G. Sets shall be provided with acoustic enclosures and adequate stack height as per CPCB norms. The fuel used for the diesel generator sets should be low sulphur diesel and should conform to E (P) Rules prescribed for air and noise emission standards.
- vii. Any hazardous waste including biomedical waste should be disposed of as per applicable Rules & norms with necessary approvals of the Andhra Pradesh Pollution Control Board.
- viii. 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 by the MoE&F, GOI/CPCB. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety. 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.
- ix. Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.
- x. 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. A hybrid systems or fully solar system for a portion of the apartments should be provided.
- xi. 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.



- xii. Adequate number of parking spaces shall be provided for visitor vehicles. Rest room facilities should be provided for service population. The proponent shall provide public convenience facilities such as toilets, bathrooms, waiting rooms etc. for the drivers, workers etc. so as to maintain cleanness/hygienic conditions in the surroundings of the project.
- xiii. The proponent shall comply with Energy Conservation Practices, Energy efficient practices and energy audit practices. Wherever feasible, green building concepts shall be adopted. Use of solar panels may be done to the extent possible.
- xiv. Adequate measures should be taken to prevent odour problem from solid waste processing Plant and Integrated Treatment Plant.

**Part – B. General Conditions:**

- i. **This order is valid for a period of 7 years.**
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any construction work at site.
- iii. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order & monitoring reports in hard and soft copies to the SEIAA and Ministry's Regional office, Chennai on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- iv. Officials from the Regional Office of MoEF&CC, Chennai who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office, MoEF&CC, Chennai.
- v. In the case of any change (s) in the scope of the project, the project would require a fresh appraisal by this SEIAA. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA, AP.
- vi. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- vii. The proponent shall obtain clearance from Fire Department. All other statutory clearances shall be obtained, as applicable by project proponents from the competent authorities.
- viii. 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 Andhra Pradesh Pollution Control Board. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Chennai.



- ix. The funds earmarked for environmental protection measures (**Capital cost Rs. 2.02 Crores and Recurring cost Rs. 0.93 Crore /annum**) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA and Ministry's Regional Office located at Chennai.
- x. Any appeal against this Environmental 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.
- xi. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xii. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986 without any prior notice.
- xiii. 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 EIA Notification, 2006.

Sd/-  
**MEMBER SECRETARY,  
SEIAA, A.P.**

Sd/-  
**MEMBER,  
SEIAA, A.P.**

Sd/-  
**CHAIRMAN,  
SEIAA, A.P.**

To  
The Vice Chairman and Managing Director,  
Andhra Pradesh Industrial Infrastructure Corporation Ltd.,  
(APIIC Ltd), Parisrama Bhavan, 6<sup>th</sup> Floor,  
5-9-58/B, Fateh Maidan Road, Basheerbagh,  
Hyderabad- 500004.

**Copy to:**

1. The Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO: Visakhapatnam, APPCB for information.
4. The Regional Officer, MOEF&CC, GOI, Chennai for kind information.
5. The Secretary, MOEF&CC, GOI New Delhi for kind information.
6. Monitoring cell, MoEF&CC, GOI, New Delhi for kind information.
7. The Chief Engineer, APIIC Ltd., D.No. 59/A-20-3/2A, 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Floors,  
Sri Siva Complex, Fun Times Club Road, Teachers Colony, Vijayawada -500008.

//T.C.F.B.O//

  
P. Murali Srinivas Reddy  
SENIOR ENVIRONMENTAL ENGINEER (EC)

