



State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Government of India

Ministry of Environment, Forests & Climate Change

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada-520010

BY REGD POST WITH ACK DUE

Order No. SEIAA/AP/ANT/CON/12/2018/788 -

Dt: 22.02.2019.

Sub: SEIAA, A.P. - Development of Industrial Park by M/s. Andhra Pradesh Industrial Infrastructure Corporation Ltd (APIIC) at Sy.No. 65-1, 66, 67-1A, 73-1B, 2B, 3B, 93-2, 94-1, 2, 95 to 98, 99-2A, Gudipalli (V), Somandepalli (M), Ananthapuram District, A.P. - Environmental Clearance - Issued - Reg.

- I. This has reference to your application submitted through online on 24.12.2018 (SIA/AP/NCP/30422/2018), seeking Environmental Clearance for the proposed Development of Industrial Park for the Automobile industries : Automobile & Auto components, Electronics & information technology and Engineering Goods., by Andhra Pradesh Industrial Infrastructure Corporation Ltd., (APIIC) at Sy. Nos. 65-1, 66, 67-1A, 73-1B, 2B, 3B, 93-2, 94-1, 2, 95 to 98, 99-2A, Gudipalli (V), Somandepalli (M), Ananthapuram District, Andhra Pradesh. The capital cost of the project is Rs.94.5 Crores.
- II. It was reported that total site area of the proposed project is 1,111.0 acres (449.61 Ha)., out of which 676.78 Acres is proposed for the Industries. Open Space/Green areas is 59 Acres; Green belt is 55.75 Acres; Un-developed land for industrial use is 71.22 Acres; Road area is 146.99 Acres; Parking area is 48.87 Acres; Common Utilities area is 16.34 Acres; Common Amenities area is 31.35 Acres and Stream area is 4.70 Acres.
- III. The source of fresh water is Gollapalli Reservoir. The total water requirement shall not exceed is 5700 KLD, out of which fresh water requirement is 3160 & recycled water is 2540 KLD and 500 KL of one time firefighting. The water requirement for Industrial purpose - 4700 KLD, Domestic 600 KLD. Landscaping -400 KLD. The total waste water generated is 3500 KLD, out of which industrial waste water generated is 3170 KLD and domestic waste water generated is 430 KLD, out of which 400 KLD is used for landscaping & greenbelt development. The individual industries shall adopt zero liquid discharge (ZLD). No discharge of treated wastewater into the ground or surface water bodies. The Municipal wastes (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.

Real

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 **09.01.2019**. The representative of the project proponent and their consultant L&T Infrastructure Engineering Ltd., have attended the meeting and presented the final EIA report for the proposed industrial park. The proposed project falls under Item No. 7(c) of the schedule of the EIA Notification 2006-Industrial estates/ parks/ complexes/ areas, export processing Zones. 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 treated in Integrated Treatment Plant 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 of 33% of the park area. (iv) The natural water bodies and ponds within the subject area shall be protected and their capacities are to be augmented. (v) The drainage pattern noticed in the Northern direction is to be maintained properly such that there will not be any obstruction to the drainage flow. The State Level Environment Impact Assessment Authority (SEIAA), A.P. in its meetings held on **29.01.2019** examined the proposal and agreed with the recommendations of SEAC, A.P. and decided to issue Environmental Clearance. The SEIAA, A.P hereby **accords 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:

Special
PART – A: ~~SPECIFIC~~ CONDITIONS:

- i. The effluents from the individual industries in proposed Industrial Park shall be collected and treated in Integrated Treatment Plant 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 of 33% of the park area.
- iv. The natural water bodies and ponds within the subject area shall be protected and their capacities are to be augmented.
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- vi. The drainage pattern noticed in the Northern direction is to be maintained properly such that there will not be any obstruction to the drainage flow.
- vii. The project proponent shall comply with Solid waste management as per the Solid Waste Management Rules, 2016.

PART – B: SPECIFIC CONDITIONS:

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 of 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 lightening 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 – C. 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 half-yearly compliance reports in respect of the terms and conditions stipulated in this order & monitoring reports shall be uploaded in the website of the project periodically. It shall simultaneously be submitted in hard and soft copies to the SEIAA, A.P., District Collector and Ministry’s Regional office, Chennai on 1st June and 1st December of each calendar year.



- iv. Officials from the Regional Office of MOEF&CC, Chennai / The SEIAA, Andhra Pradesh through the Regional Offices of Andhra Pradesh Pollution Control Board 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 to 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.2.0 Crores and Recurring cost Rs.0.68 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. At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017- IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Regional Office, Chennai.
- xi. 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.



- xii. 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.
- xiii. 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.
- xiv. 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, 6th 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: Kurnool, 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 District Collector, Anantapuramu District, Andhra Pradesh for kind information.
8. Mr. R. Chenchiah, The Chief Engineer, APIIC Ltd., D.No. 59/A-20/3/2A, 1st Floor, Sri Siva Complex, Funtimes Club Road, Teachers Colony, Vijayawada - 500008.

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


SENIOR ENVIRONMENTAL ENGINEER (EC)