

F.No.11-44/2022-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)

Indira Paryavaran Bhawan
Jor Bagh Road
New Delhi – 110003
Dated: 11th January, 2023

To

**The Andhra Pradesh Industrial
Infrastructure Corporation Limited (APIIC)
District - Hyderabad,
Telangana-500004
Email:apiicempcell@gmail.com**

Subject: Proposal for Development of Common Treated Wastewater Conveyance and Marine Outfall System of 135 MLD at Kakinada which majorly falls in U. Kothapalli and Thondangi Mandals of Kakinada District and Partly falls in Payakaraopeta Mandal of Anakapalli District Andhra Pradesh by M/s Andhra Pradesh Industrial Infrastructure Corporation Limited (APIIC) - CRZ Clearance - regarding.

Sir,

This has reference to your proposal No. IA/AP/CRZ/405490/2022 dated 19th November, 2022 on the above mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance to the proposal for Development of Common Treated Wastewater Conveyance and Marine Outfall System of 135 MLD at Kakinada which majorly falls in U. Kothapalli and Thondangi Mandals of Kakinada District and Partly falls in Payakaraopeta Mandal of Anakapalli District, Andhra Pradesh.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its meetings held on 29th November, 2022. The project proponent and their consultant made detailed presentation and informed as under:

- (i) The project is development of common treated wastewater conveyance and marine outfall system for Kakinada SEZ region and surrounding industries with objective of the project to support development of this region with existing and proposed industrial projects [Kakinada SEZ, Bulk Drug Park (BDP), M/s Lyfius Pharma Private Limited (formerly M/s Aurobindo Antibiotics Private Limited), M/s Qule Pharma Private Ltd., (formerly M/s Auroactive Pharma Private Limited) and M/s Divi's Laboratories Ltd. etc.] by avoiding Multiple outfalls thereby having harmonious environment with local habitants.
- (ii) The project development consists of capacity: 135 MLD, 30.3 km long pipeline with diameter varying from 450 mm to 1000 mm on land side, 2.0 km long HDPE pipeline with 1400 mm diameter on seaside with diffusers (14.5 m depth), central pump house with sump of 2.95 ML capacity with additional similar capacity Sump to handle the unlikely events.
- (iii) Project attracts CRZ Notification 2011 under the provision of para 4(ii) (d) laying of Pipeline and 4(ii) (f) outfall for discharge of treated water.
- (iv) The majorly falling in U. Kothapalli and Thondangi Mandals of Kakinada District and partly in Payakaraopetamandal of Anakapalli District, Andhra Pradesh.
- (v) The CRZ map of 1:4000 has been prepared by NCSCM Chennai.

- (vi) Project development area does not fall or contain any environmentally sensitive areas as specified in CRZ Notification and that the project area meets the regulations of CRZ Notification, 2011/2019.
- (vii) The proposed pipeline falls on the CRZ-1B of creek, CRZ-III (200 to 500m), CRZ-III (NDZ), CRZ-IVA (Marine outfall pipeline) and CRZ-IVB (Creek).
- (viii) An area falling within 500 meters on either side of the pipeline from centerline is earmarked for primary baseline data generation.
- (ix) 10 km radius from pipeline alignment earmarked as study area for secondary data collection.
- (x) The length of marine disposal pipeline is 32.3 km, out of which 24.605 km is falling on non-CRZ area and balance 7.65 km is falling in CRZ area.

S. No.	Type	Length (km)
1	CRZ IB	0.10
2	NDZ of CRZ III	4.16
3	CRZ III (200m to 500m)	1.42
4	CRZ IVA	1.94
5	CRZ IVB	0.03
	Total CRZ Area	7.65
6	Non-CRZ	24.605
	Total	32.255

- (xi) The Power requirement at Pump House in Operation Phase is 32.5 MWH from APTRANSCO.
- (xii) The water requirement at Pump House in Operation Phase is 500 LPD and source initially from borewell and later from the KSEZ water supply network.
- (xiii) The estimated MSW generation is 5 kg/day and KSEZ solid waste management facility or to the local dump site till KSEZ develops the facility.
- (xiv) The Andhra Pradesh Pollution Control Board has recommended NOC *vide* letter No.579/APPCB/CFE/RO-VSP/HO/2022 dated 30/09/2022.
- (xv) The total cost of the project ₹217.87 Crore. The budgetary estimate for EMP as:

A. Construction Phase Budgetary Estimate:

Sl. No.	Environmental Activity	Amount in Crores
1.	Water Body Crossing (Pipe Carrying Bridge) and Road Crossing and Restoration	3.76
2.	Monitoring (Construction Phase & SCADA) and Utility Shifting Including Compensation for Tree Cutting, Restoration of EP poles etc.,	1.75
	Total	5.51
3.	Provision for Shore line Changes Monitoring and its Protection if any (Based on the requirement of Construction Methodology)	3.5

B. Operation Phase Budgetary Estimate:

Sl. No.	Environmental Activity	Amount in Crores
1.	Trained manpower required for O&M including Environmental Management Cell	0.35
2.	Repair and maintenance of Common Collection Sump, Pumps sets, pipelines, diffuser system and monitoring including marine side inspections (Diver/Videography) and other repairworks	0.66
	Total	1.01

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(xvi) The Andhra Pradesh Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No.426/CRZ/PROJ/2022-618 dated 17/11/2022.

4. The EAC made detailed deliberated on the proposal. The Committee noted that the Andhra Pradesh Pollution Control Board has recommended NOC for the project and APCZMA recommended the project and intimated that the activity is a permissible under Para 3(i) (a) and Para 3(v) (a) of CRZ Notification 2011. The PP shall ensure that the treated effluent discharge into sea / marine outfalls as per the prescribed standards of by CPCB / SPCB. The Committee also advised to PP submits compliance report / action report on specific conditions recommended / suggested by APSCZMA *vide* letter dated 17/11/2022 to the Ministry for record.

5. Based on the recommendation of the Andhra Pradesh Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the proposal for **Development of Common Treated Wastewater Conveyance and Marine Outfall System of 135 MLD at Kakinada which majorly falls in U. Kothapalli and Thondangi Mandals of Kakinada District and Partly falls in Payakaraopeta Mandal of Anakapalli District Andhra Pradesh by M/s Andhra Pradesh Industrial Infrastructure Corporation Limited (APIIC)** under the provisions of the CRZ Notification, 2011 and amendments thereto, subject to the compliance of terms and conditions as under:-

PART A – SPECIFIC CONDITIONS:

- (i). All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
- (ii). The APIIC should strictly ensure disposal of treated effluent discharge into Sea or marine outfalls to the prescribed standards of CPCB / SPCB.
- (iii). A comprehensive marine environmental monitoring should be undertaken through a nationally reputed institute having expertise in the subject to determine impact of the discharge against the baseline water and sediment quality parameters as stated in the EMP. Remedial measures if required to be undertaken and provision for the costs for the same to be provided by the PP.
- (iv). No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (v). Any temporary physical infrastructure setup and excavated material during laying of Pipelines shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.
- (vi). No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.
- (vii). Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (viii). All the conditions stipulated by the Andhra Pradesh Coastal Zone Management Authority for CRZ clearance 2019 *vide* its Letter No.426/CRZ/PROJ/2022-618 dated 17/11/2022 and commitments made by the PP before the APCZMA and EAC shall be followed in letter and spirit.
- (ix). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

PART B - GENERAL CONDITIONS:

- (i). Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.

- (ii). 'Consent to Establish' and /or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and / or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- (iii). 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.
- (iv). All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central / State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea / coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and / or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.
- (v). Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (vi). A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority / State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office / Tehsildar's office for 30 days.
- (vii). A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.
- (viii). The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (ix). Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.
- (x). In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (xi). The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.
- (xii). All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.
- (xiii). 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 CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen

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on the website of the Ministry of Environment, Forest and Climate Change at <https://parivesh.nic.in/>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.

- (xiv). A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xv). The proponent shall upload the status of compliance of the stipulated 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&CC, the respective Zonal Office of CPCB and the SPCB.
- (xvi). 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 project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.

6. 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.

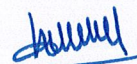
7. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.

8. Concealing factual data or submission of false/fabricated data and 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.

9. Any appeal against this CRZ 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.

10. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

11. This issues with approval of the Competent Authority.



(Dr. H. Kharkwal)
Scientist 'E' (CRZ)

Copy to:

1. The Chairman, (Environment) & Additional Secretary, Environment Department, Andhra Pradesh Coastal Zone Management Authority, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Secretariat, 4th Block, Government Interim Complex, Velagapuddi-522503, Guntur, Andhra Pradesh.

2. The Deputy DGF (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Vijayawada Green House, Gopalareddy Road, Vijayawada – 520010, Andhra Pradesh.
3. The Member Secretary, Andhra Pradesh Coastal Zone Management Authority & Special Secretary (Environment), Government of Andhra Pradesh, Department of Environment, Forests, Science and Technology, Secretariat, Hyderabad – 500 022, Andhra Pradesh
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 110032
5. The Member Secretary, Andhra Pradesh Pollution Control Board D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010
6. Guard File / Monitoring File / Website / Record File.



(Dr. H. Kharkwal)
Scientist 'E' (CRZ)