

F.No.11-18/2014-IA.III
Government of India
Ministry of Environment, Forests & Climate Change
(IA-III Section)

Indira Paryavaran Bhawan,
Jor Bag Road, Aliganj,
New Delhi - 110 003

Dated: 12th March, 2015

To

The Managing Director,

M/s. Covalent Laboratories Private Ltd.,
#8-3-677/18, 2nd Floor, S.K.D. Nagar,
Yellareddy Guda, Hyderabad - 500 073

Subject: Marine disposal of treated effluent through dedicated pipeline to Bay of Bengal at NGR Puram Village, Ranasthalam Mandal, Srikakulam Dist. Andhra Pradesh for Bulk Drugs & Intermediates Unit (2431 TPA) and Captive Power Plant (3MW) at Maruvada Village, Ranasthalam Mandal, Srikakulam Dist. Andhra Pradesh by M/s Covalent Laboratories Private Ltd. - CRZ Clearance - Reg.

Sir,

This has reference to your proposal forwarded by Special Secretary (Environment), E.F.S & T. Department, Andhra Pradesh vide letter No: 1735/ENV/CZMA/2014 dated 11.04.2014 and your letters dated 09.09.2014 and 29.11.2014 seeking prior CRZ Clearance on the above-mentioned subject.

2. The Ministry of Environment, Forests & Climate Change has considered the application. It is noted that the proposal is for grant of CRZ Clearance for **Marine disposal of treated effluent through dedicated pipeline to Bay of Bengal at NGR Puram Village, Ranasthalam Mandal, Srikakulam Dist. Andhra Pradesh for Bulk Drugs & Intermediates Unit (2431 TPA) and Captive Power Plant (3MW) at Maruvada Village, Ranasthalam Mandal, Srikakulam Dist. Andhra Pradesh by M/s Covalent Laboratories Private Ltd.** The proposal was considered in the 134th EAC meeting held on 19th - 21st May, 2015; and reconsidered in 144th EAC meeting held on 28th - 30th January, 2015. The proponent has informed that:

- i. EAC (Industry) considered the project for Environmental Clearance for the bulk drug and captive power plant in its 21st meeting held on 21.7.2014 and recommended grant of EC with conditions including obtaining CRZ clearance for marine disposal of the treated effluents.
- ii. Terms of Reference (ToR) has been issued by MoEF vide F.No.J-11011/182/2011-IA II(I) dated 26.09.2011 and extended the validity of ToR for a period of one more year with effect from 02.09.2013 vide minutes of 12th Reconstituted EAC (Industry) meeting held during 30th September, 2013 - 1st October, 2013. The EAC also recommended for amendment in



ToR with Zero Discharge for process effluent and Marine disposal for non-process units after meeting the norms of APPCB and on obtaining NOC from APPCB and recommendation of SCZMA.

- iii. Public Hearing was conducted by APPCB on 18.09.2013.
- iv. Total quantity of effluent estimated to be 884 KLD. The effluent will be segregated based on TDS & COD concentrations like HTDS/HCOD (from process), HTDS (from Scrubber), HTDS from utilities and LTDS / LCOD (from other sections like washing, R&D, Q.C etc.).505 KLD of treated effluent is recycled. Total Marine disposal (from HTDS & R.O rejects from LTDS/LCOD) is 375 KLD with TDS concentration of 12,000 mg/l which is much less than Sea water concentration.
- v. The outfall with 4 ports of x 100 mm dia is proposed. 600 times of dilution is expected. Initial dilution has been modelled using 'Cormix' and secondary dispersion done using 'Mike 21'. The mixing Zone will be 50 m x 50 m.
- vi. Based on the modelling, the point of discharge at a distance of about ~1.5 km from the Land Fall Point with a 10.4 m sea depth was selected. The pipeline from shore to the diffuser point will be routed under the seabed through appropriate buried pipeline system.
- vii. **Approvals:** Consent Order for Marine Outfall has been issued by Andhra Pradesh Pollution Control Board (APPCB) vide No.329/PCB/CFE/Ro-VZM/HO/2014 dated 01.03.2014.
- viii. The Andhra Pradesh Coastal Zone Management Authority (APSCZMA) conducted meeting on 15.03.2014 for recommendation of marine outfall for the treated effluents. The Andhra Pradesh Coastal Zone Management Authority has recommended the proposal vide letter no. 1735/ENV/CZMA/2014 dated 11.04.2014.
- ix. Marine EIA studies have been conducted by M/s INDOMER Coastal Hydraulics (P) Ltd, and CSIR. NIO has demarcated LTL, HTL and CRZ boundaries of the proposed marine disposal. The location of LFP, HTL, LTL and CRZ boundaries are demarcated on a map of 1:25000 and 1:4000 scales. The plant boundary is approximately 6.5 km (aerial 5.0 km) from HTL.
- x. Along the coastal stretch, small sand dunes (<2m) height between HTL and 200 m line were observed. According to CZMP of Andhra Pradesh, sand dunes are classified as CRZ-I. The proposed pipeline route area does not fall into any environmentally sensitive areas.
- xi. **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.
- xii. **Forest land:** No forest land involved in the project.
- xiii. There is no **court cases/violation** pending with the project proponent.

3. The proposal was considered by EAC in its meeting held on 19th - 21st May, 2014 and on 28th - 30th January, 2015 for granting CRZ Clearance. The Ministry of Environment, Forests & Climate Change hereby accords CRZ Clearance for the above-mentioned **Marine disposal of treated effluent through dedicated pipeline to Bay of Bengal at NGR Puram Village, Ranasthalam Mandal, Srikakulam Dist. Andhra Pradesh for Bulk Drugs & Intermediates Unit (2431 TPA) and Captive Power Plant (3MW) at Maruvada Village, Ranasthalam Mandal, Srikakulam Dist. Andhra Pradesh by M/s Covalent**

Laboratories Private Ltd. under the provisions of the CRZ Notification, 2011 and amendments thereto and Circulars issued thereon and subject to the compliance of the following specific conditions, in addition to the general conditions mentioned below:

A. SPECIFIC CONDITIONS:

- (i) Bio-assay test should be provided for monitoring the toxicity levels.
- (ii) The project proponent shall explore enhancement of recycling of effluent.
- (iii) On-line monitoring sensors shall be provided at outlet in the industry and at the marine outfall.
- (iv) The outfall shall meet the norms stipulated by the Andhra Pradesh Pollution Control Board (APPCB).
- (v) Regular monitoring of the disposal pipeline shall be conducted which is proposed for carrying enhanced treated effluent.
- (vi) All the conditions/recommendations stipulated by Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter no1735/ENV/CZMA/2014 dated 11.04.2014, shall be complied with.
- (vii) Method of installation shall ensure no damage to the coastline and consequently the marine eco system.
- (viii) All the recommendation of the EIA/EMP shall be strictly complied within letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF&CC along with half yearly compliance report to MoEF&CC-RO.
- (ix) Project Proponent shall obtain all required statutory clearances as applicable.
- (x) Necessary signages shall be installed in both English and local languages wherever the pipeline is passing on land.
- (xi) Soil and water samples shall be regularly monitored along the pipeline route to check the leakage/contamination, if any and shall examine if any strengthening is required.
- (xii) There shall be no disposal of solid and liquid wastes in to the Coasta areas.
- (xiii) There shall be no ground water drawal within CRZ area.
- (xiv) No construction work other than those permitted in Coasta Regulation Zone Notification shall be carried out in Coasta Regulation Zone area.



- (xv) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

B. GENERAL CONDITIONS:

- (i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (ii) Full support shall be extended to the officers of this Ministry/Regional Office at Chennai by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Chennai regarding the implementation of the stipulated conditions.
- (iv) Ministry of Environment, Forests & 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.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (vi) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forests & Climate Change.
- (vii) The project proponents 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 start of land development work.
- (viii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.
- (ix) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (x) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.

4. 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 1994, including the amendments and rules made thereafter.
5. All other statutory clearances such as the approvals for storage of diese 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 proponents from the respective competent authorities.
6. The project proponent shall 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 and may also be seen on the website of the Ministry of Environment, Forests & Climate Change at <http://www.envfor.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 Regional office of this Ministry at Chennai.
7. 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.
8. 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.
9. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.
10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
11. The proponent shall upload the status of compliance of the stipulated Clearance 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.
12. 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 Ministry, the respective Zonal Office of CPCB and the SPCB.
13. 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.


(Dr. Manoranjan Hota)
Director

Copy to:

1. Chairman, Andhra Pradesh Coastal Zone Management Authority and Special Chief Secretary to Government, E.F.S & T. Department Government of Andhra, Pradesh Secretariat, Hyderabad- 500 002
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Andhra Pradesh Pollution Control Board, Paryarana Bhawan, A-III, Industrial Area, Sanathnagar, Hyderabad - 500 018, Andhra Pradesh.
4. Additional Principal CCF (C), Ministry of Environment, Forests and Climate Change, Regional Office, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34.
5. Guard File.
6. Monitoring Cell.


(Dr. Manoranjan Hota)
Director