

F.No. 11-6/2016-IA-III
Government of India
Ministry of Environment, Forest and Climate Change

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Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 14th August, 2017

CORRIGENDUM

Sub: CRZ Clearance for "Alignment of conveying system for discharge of treated sewage into Buckingham Canal from the proposed 31 MLD Sewage Treatment Plant (STP) at Santhankadu village, Thiruvottiyur Taluk, Thiruvallur Dist. near Chennai - reg.

I am directed to refer to this Ministry's letter of even no., dated 31st July, 2017, on the above mentioned subject and to inform that the date mentioned in the aforesaid letter shall be read as 8th August, 2017 in lieu of 31st July, 2017.

2. All other contents of the aforesaid letter shall remain the same.


(W. Bharat Singh)
Joint Director

To,
The Superintending Engineer
Construction -III
Chennai Metro Water Supply and Sewerage Board
NO.1, Pumping Station Road, Chintadripet
Chennai – 600002.

Copy to:

1. The Secretary, Environment & Forests Department, Govt of Tamil Nadu, Saint Geroge Port, Chennai.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD- cum-Office Complex, East Arjun Nagar, Delhi – 110032.
3. The Chairman, Tamil Nadu, Environment and Forests (EC.3) Department, Secretariat, Chennai-9.
4. The Chairman, Tamil Nadu State Pollution Control Board, 76, Mount Salai, Guindly, Chennai – 600032.
5. The APCCF (C), MoEF&CC, RO, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-34.
6. Guard File.
7. Monitoring File.


(W. Bharat Singh)
Joint Director

F.No. 11-6/2016-IA-III
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 31st July, 2017

To,

The Superintending Engineer
Construction -III
Chennai Metro Water Supply and Sewerage Board
NO.1, Pumping Station Road, Chintadripet
Chennai-600002

Sub: CRZ Clearance for "Alignment of conveying system for discharge of treated sewage into Buckingham Canal from the proposed 31 MLD Sewage Treatment Plant (STP) at Santhankadu village, Thiruvottiyur taluk, Thiruvallur Dist. near Chennai - reg.

Sir,

This has reference to your proposal No. IA/TN/MIS/38969/2016, dated 01.06.2017 received in this Ministry 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 proposal for alignment of conveying system for discharge of treated sewage into Buckingham Canal from the proposed 31 MLD Sewage Treatment Plant (STP) at Santhankadu village, Thiruvottiyur taluk, Thiruvallur Dist. near Chennai by Chennai Metro Water Supply and Sewerage Board, Thiruvottiyur, Tamil Nadu was earlier considered in the 156th meeting of the Expert Appraisal Committee (EAC) - Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects held on 28th January, 2016. The proposal was re-considered again in 172nd meeting held during June 30, 2017, wherein, the EAC has recommended the proposal for CRZ Clearance. The details of the project, as per the documents submitted by you and as informed during the aforesaid meetings of the EAC are noted as under:

- (i) The proposed STP will treat waste water from Thiruvottiyur and Kathivakkam Municipalities.
- (ii) The alignment of treated sewage conveying mains from the proposed STP to Buckingham Canal will cross CRZ-II area and the treated waste water (31,000 m³) will be discharged into the Canal as per CPCB prescribed standards.
- (iii) Permission from Water Resource Department has been obtained for the disposal of treated sewage into Buckingham canal.
- (iv) The technology adopted for the proposed project is Activated Sludge Process, a process for treating sewage and industrial wastewaters using air and a biological flocculation composed of bacteria and protozoa.
- (v) The components of STP are: receiving chamber; screen chamber; equalization tank; primary clarifier; aeration tank; secondary clarifier; chlorination contact tank; sludge sump; (x) thickener; (xi) digester; (xii) centrifuge.
- (vi) Treated sewage after chlorine contact tank will be conveyed through PSC pipe to Buckingham Canal running at a distance of about 181 m.
- (vii) No hazardous waste will be generated.

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- (viii) The Tamil Nadu State Coastal Management Authority (TNSCZMA) recommended the Project vide their Letter No. 19033/EC3/2015-1, dated 18.11.2015 and Letter No. 19033/EC3/2015-5, dated 06.09.2016.
- (ix) CRZ map preparation and demarcation of High Tide Line/Low Tide Line was done by Institute of Remote Sensing, Anna University, Chennai.
- (x) Green belt of native species of about 6800 m² is proposed to be developed around in the project site.
- (xi) Total cost estimate around Rs 26.33 crores.
- (xii) The project will benefit through the implementation of the sewerage scheme, which will enhance environmental quality and improve in health status of the Thiruvottiyur and Kathivakkam municipalities areas.

3. Based on the information submitted by you as at para no. 2 above and others and presentation made before the EAC (Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects) in its 172nd meeting held on June 30, 2017, and in acceptance of the recommendation of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords CRZ Clearance to the above project viz *'Alignment of conveying system for discharge of treated sewage into Buckingham Canal from the proposed 31 MLD Sewage Treatment Plant (STP) at Santhankadu village, Thiruvottiyur taluk, Thiruvallur Dist. near Chennai by Chennai Metro Water Supply and Sewerage Board, Thiruvottiyur, Tamil Nadu,* subject to the following specific and general conditions as under:

PART A - SPECIFIC CONDITIONS:

- i) All conditions/recommendations stipulated by the Tamil Nadu Coastal Zone Management Authority (TNCZMA) vide its letter no. 19033/EC3/2015-1, dated 18.11.2015 shall strictly be complied with.
- ii) A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.
- iii) The project proponent shall ensure that any adverse potential impacts due to the proposed activity on the marine environment during construction and operational phases on the marine environment/Buckingham Canal is managed through a robust marine environment management plan (MEMP) and implemented in letter and spirit.
- iv) The project proponent shall explore possibility of treating the sewage in a way that the resultant effluent can be used for industrial and other applications, rather than discharging off such a scar resource as waste. Accordingly, the project proponent shall submit time bound action plan to the regional office of the Ministry and the TNCZMA within six months from commencement of work.
- v) The pipeline shall be monitored regularly for leakages and ensured that there is no leak from the pipeline. In case of any such eventualities, the project proponent shall immediately stop disposal through the said pipeline and take the corrective measures.
- vi) It shall be ensured that there are no blockages to the creek due to laying of pipeline and free flow of water shall be maintained.



- vii) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- viii) The construction in CRZ areas shall be done strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- ix) There shall be no dressing or alteration of the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.
- x) Treated effluent emanating from the existing STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from the STP.
- xi) The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of the results of standard parameters of the effluent discharged from STP under intimation to the SPCB.
- xii) The project proponent shall ensure that no ground water drawal is carried out within CRZ areas without prior approval of the Central Ground Water Authority.
- xiii) Soil and ground water samples in and around the STP shall be tested regularly to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.

PART B - GENERAL CONDITIONS:

- (i) A copy of the clearance letter shall also be displayed on the website of the concerned 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.
- (ii) 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.
- (iii) Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.
- (iv) 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.
- (v) 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.

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- (vi) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with to the satisfaction of the Ministry.
- (vii) 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 Environment (Protection) Act, 1986.
- (viii) The above stipulations would be enforced among others under the provisions of the 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, the EIA Notification, 2006 and the CRZ Notification, 2011.
- (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 found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (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 on the website of the Ministry of Environment, Forest and 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 concerned Regional Office of this Ministry.

4. 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.

5. 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.

6. 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

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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.

7. 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.

8. 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 the Ministry by e-mail


(Arvind Nautiyal)
Director

Copy to:

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(Arvind Nautiyal)
Director

