

F. No. 10-10/2014-IA-III  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA.III Section)

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 3

Date: 16<sup>th</sup> April, 2018

To,

**Shri B. D. Dalwadi, Chief Executive Officer**  
M/s. Bharuch Enviro Infrastructure Limited  
Plot # 9701-9716, GIDC Industrial Estate,  
Ankleshwar, District Bharuch, Gujarat- 393 002  
E Mail: [dalwadibd@uniphos.com](mailto:dalwadibd@uniphos.com)

**Subject: Enhancement of capacity of Existing phase III Landfill Facility at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at GIDC Ankleshwar, District Bharuch, Gujarat by M/s Bharuch Enviro Infrastructure Limited (BEIL) - Amendment in Environmental Clearance reg.**

Sir,

This has reference to your proposal No. IA/GJ/MIS/66199/2014 dated 12<sup>th</sup> September, 2017, submitted the above proposal to this Ministry for seeking amendment in Environmental Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of amendment in Environmental Clearance to the project 'Enhancement of capacity of Existing phase III Landfill Facility at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at plot number 9601-9604, 10001-10003, G-7 & 8, 7924-7927, 9401-9412, 9501-9506, 7905 E to H adjoining Gujarat Industrial Development Corporation (GIDC) Industrial Estate, Ankleshwar by M/s Bharuch Enviro Infrastructure Limited (BEIL) was considered by the Expert Appraisal Committee (Infra-2) in its 24<sup>th</sup> meeting held on 30-31 October, 2017.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said meeting, are under:-

- (i) The proposal is for amendment of the Phase -III Environmental Clearance and permit us enhancement of capacity from 11.58 lacs MT to 14.58 MT a within the same disposal facility (CHWTSDF).
- (ii) Environmental Clearance to the project was granted by MoEF&CC vide letter No. 10-10/2014-IA-III dated 31.12.2015.
- (iii) Bharuch Enviro Infrastructure Limited (BEIL) is operating Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) consisting of secured landfill (SLF) (since 1997) and Common Incineration System (since 2004) at GIDC Ankleshwar. This is the first common landfill facility developed in India, under the guidance of National Productivity Council, New Delhi and the German experts with them.



- (iv) The CHWTSDF has been notified by Government of Gujarat. Phase-I of secured landfill facility, after disposal of 6 Lakhs MT of solid/Hazardous wastes, has been capped as per CPCB guidelines. Phase-II of secured landfill has been designed by IIT Delhi and is in operation (since 2007) having the capacity of 17 Lakhs MT. Till August 2015, approximately 15.5 Lakhs MT of solid/hazardous wastes has been disposed. The remaining capacity of 2 Lakhs MT is equivalent to approximately 1 years land filling at the current rate. BEIL, during its 18 years of operation, have collected and disposed of approximately 22 Lakhs MT of hazardous wastes in the secured landfill (SLF). Phase III of secured landfill (SLF) have been designed by IIT Delhi and is in under construction phase having the capacity of 11.58 Lakhs MT (assuming a density 1.5 Mg/m<sup>3</sup>).
- (v) Common Incineration System for treating organic waste was setup in 2004 with thermal capacity of 6.5 million kcal/hour. BEIL have setup second incinerator in 2012 and in this system, waste heat is also recovered. The steam generated is used in the Multiple Effect Evaporation System (MEE). Solid Liquid/ other types of wastes are being treated in the Common Incineration system and so far, approximately 1.53 Lakhs MT waste has been incinerated.
- (vi) The present proposal is an expansion project to utilize the area of Phase III to enhance the existing capacity of secured landfill (SLF) (Phase III) from 11.58 Lakhs MT to 14.58 Lakhs MT Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF). Phase III Pit Area = 2.98 Acre (12084 sqm) Phase III Closure Area = 14.755 Acre (59731 sqm) & capital cost involve in installation of the project is 30 Lakhs.
- (vii) GIDC Water permission for 610 KLD including domestic water consumption. No additional power is required.
- (viii) Supply source: Gujarat Electricity Board (GEB). In case of power failure, D.G. Set can be used (2 nos 975 KVA capacity each)
- (ix) Project falls under Category "A" as it is an existing Integrated Common hazardous waste treatment, storage and disposal facilities (TSDFs).
- (x) Leachate / Effluent from landfill will be treated in our Multiple Effect Evaporator (MEE) plant. Whenever MEE is not in operation, leachate will be sent to CETP of Enviro Technology Limited at Ankleshwar.
- (xi) Total 2,79,233.34 sqm land area is available at site; out of this area about 50514.29 sqm area is covered as greenbelt and other forms of greenery. Total Rs.10 Lakhs shall be spent for green development within premises.

4. The EAC, in its meeting held on 30-31 October, 2017 recommended to the amendment so as to include only the additional quantity of solid wastes handled without any other changes in the conditions of E.C. issued earlier. Based on the recommendations of EAC, the Ministry hereby accord the amendment to the EC letter F. No. 10-10/2014-IA-III dated 31.12.2015 for enhancement of capacity from 11.58 Lakhs MT to 14.58 Lakhs MT within the same disposal facility (CHWTSDF) and stipulated following additional condition:

"The amendment is being granted only with relation to increased handling of Municipal solid wastes due to improved handling and compaction. Apart from this, the project proponents will not make any changes in the project nature, structure



or configuration and limit themselves to activities for which the environmental clearance has been given earlier”.

5. All the other conditions contained in the MoEF&CC letter F. No. 10-10/2014-IA-III dated 31.12.2015 remains the same.



**(Kushal Vashist)**  
Director

**Copy to:**

- 1) The Secretary to Government (Environment and Ecology), Forests & Environment Department, Government of Gujarat Block 14, 8<sup>th</sup> floor, Sachivalaya, Gandhinagar - 382 010, Gujarat.
- 2) The Addl. Principal Chief Conservator of Forests (Central) Ministry of Environment, Forest and Climate Change, Regional Office (WZ) E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3 Ravishankar Nagar, Bhopal - 462016.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010, Gujarat.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.



**(Kushal Vashist)**  
Director