

F. No. 10-36/2016-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: 16th April, 2018

To,

Managing Director
M/s Saurashtra Enviro Projects Private Limited (SEPPL),
414, Juna Katariya, Lakadia, Taluka Bhachau,
District Kutch - 395002 (Gujarat)
E-mail: chetan@detoxcorp.com

Subject: Expansion of secured landfill cell in existing Integrated Common Hazardous Waste Treatment Storage & Disposal Facility at Village Juna Kataria, Lakadia, District Kutch, Gujarat by M/s Saurashtra Enviro Projects Private Limited (SEPPL) - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/GJ/MIS/53189/2016 dated 21st June, 2017, submitted to this Ministry for grant of Environmental Clearance (EC) 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 environmental clearance to the project 'Expansion of secured landfill cell in existing Integrated Common Hazardous Waste Treatment Storage & Disposal Facility at Village Juna Kataria, Lakadia, District Kutch, Gujarat promoted by M/s Saurashtra Enviro Projects Private Limited (SEPPL)' was considered by the Expert Appraisal Committee (Infra-2) in its 21st meeting held on 21-24 August, 2017, 23rd meeting held on 13th October, 2017 and 25th meeting held on 29-30 November, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

- (i) Saurashtra Enviro Projects Private Limited (SEPPL) proposes to develop Secured Landfill Site at 414, 415, 417, 418, 416, 383, 384, 385, 386, 387, 388, 389, 400, 401, 402, 403, 408, 409/1, 409/2, 410, 411, 412/1, 412/2, 413 & 419 of Village Juna Katariya 174, 179, 182, 178, 181/1, 181/2 of Village Lakadiya, Taluka Bhachau, District Kutch, Gujarat. The proposed project is expansion project within the existing project boundary. The facility is presently catering industries located in state of Gujarat for disposal of Hazardous Waste.
- (ii) The company has obtained Environment Clearance (EC) for the existing unit from Ministry of Environment and Forest vide letter No. 10-45/2007-IA-III dated 15.04.2008 for 1.2 MMT secured landfill. Accordingly company has developed the facility. Due to industrialization the waste generation has increased which has lead to the demand of landfill facility. The existing cells are capped and the capacity is almost exhausted. Thus in order to meet the rising demand, SEPPL has decided to expand the existing facility. Accordingly



SEPPL was granted Terms of Reference (TOR) from MoEF&CC vide letter No. F. No. 10-36/2016-IA.III dated 12.07.2016 to develop the project.

- (iii) The proposed expansion project is within the industrial premises of project site hence no additional land will be procured. The land fill will be developed in the existing granted area of 62 acres as per EC. The site is surrounded by barren land and wind mill at all four sides. There is existing approach road connecting the site to National Highway. Nearest village is Lakadia located at distance of approx 2.92 km.
- (iv) In the proposed expansion project, 1.1 MMT additional capacity of Secured Landfill Cell will be developed in a span of 10 years. This cell will be developed in phase wise manner based on the waste received from industries. Secured Landfill Cell will be developed with two liner system as per Criteria for Hazardous Waste Landfills published by CPCB (HAZWAMS/17/2000-01) and stringent QA-QC plan shall be followed during the landfill construction phase.
- (v) Source of water for existing unit is Gujarat Water Supply and Sewerage Board (GWSSB), Gujarat Water Infrastructure Limited (GWIL) and tanker water. Same shall be used for the proposed expansion project. There is no increase in water consumption and waste water generation due to the expansion project. No flue gas and process stack will be installed. Hence no addition of air pollution due to proposed expansion project. Leachate will be generated due to proposed expansion project which will be marginal.
- (vi) The ToR was issued to the project by MoEF&CC vide letter F. No. 10-36/2016-IA.III dated 12.07.2016. Public hearing exempted as per para 7(ii) of the EIA Notification, 2006, as the same was conducted on 02.04.2008.
- (vii) Based on the Terms of Reference (ToR) issued by Ministry of Environment, Forest and Climate Change (MoEF&CC), baseline study was conducted in the area of 10 Km radius from the project site. The land use pattern in the study area showed maximum of agricultural land covering an area of 61% and scrub land covering an area of 23%. The major crop cultivated in the study area was cotton (*Gossypium* spp.) and castor (*Ricinus Communis*). Other crops are Jiru (*Cuminum cyminum*) in winters and Juwar (*Sorghum* sp.), Mung (*Vigna radiate*), Guar (*Cyamopsis tetragonoloba*), Bajra (*Pennisetum glaucum*), Moth (*Vigna aconitifolia*) and till (*Sesamum indicum*) in winters. Few areas had bore wells which goes up to 200-300 fts.
- (viii) As per the meteorology data collected for one season (December 2016 – February 2017), the predominant wind direction observed in study area was from North East to South West. Based on the predominant wind direction, monitoring stations were selected. Two down wind and one up wind location was selected. There will be no stack installed due to proposed expansion project. No source of air pollution added due to proposed expansion project.
- (ix) Ground water samples were collected from four no. of villages. Detail socio economic study was conducted in the nearby villages.
- (x) The total cost of project is estimated as Rs. 40 Crores.
- (xi) Employment potential: With the progressive closure of cells, the equipment and man force will be shifted to new cell operation.

- (xii) Benefits of project: Providing environment infrastructure (secured engineered landfill) for safe disposal of hazardous waste to industries located in Gujarat. The Company is actively involved in CSR activities in the surrounding area.

3. The project/activity is covered under category 'A' of item 7(d) Common hazardous waste Treatment, Storage and Disposal Facilities (TSDFs) of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

4. The EAC, in its 25th meeting held on 29-30 November, 2017, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project Affordable Housing Project 'Expansion of secured landfill cell in existing Integrated Common Hazardous Waste Treatment Storage & Disposal Facility at Village Juna Kataria, Lakadia, District Kutch, Gujarat promoted by M/s Saurashtra Enviro Projects Private Limited (SEPPL), under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

- (i) No objection Certificate from the Gujarat Pollution Control Board shall be obtained before initiating the project.
- (ii) The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- (iii) No ground water shall be used.
- (iv) The TSDF should only handle the waste generated from the member units.
- (v) As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bagfilter/ESP for removal of particulate matter; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator. Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO₂, NO_x and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.
- (vi) Analysis of Dioxins and Furans shall be done through CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.
- (vii) The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.
- (viii) Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.

- (ix) Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- (x) Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
- (xi) The depth of the land fill site shall be decided based on the ground water table at the site.
- (xii) Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.
- (xiii) The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- (xiv) On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.
- (xv) No non hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
- (xvi) Gas generated in the Land fill should be properly collected, monitored and flared.
- (xvii) Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.
- (xviii) Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.
- (xix) Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.
- (xx) Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- (xxi) Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.
- (xxii) The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/GPCB.

PART B - GENERAL CONDITIONS

- (i) 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.

- (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) Officials from the Regional Office of MoEF&CC, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Bhopal.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) 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.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These 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 and the EIA Notification, 2006.
- (viii) 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 Environmental 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, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhopal.
- (ix) 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.
- (x) 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.
- (xi) The proponent shall upload the status of compliance of the stipulated EC 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. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- (xii) 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
5. This issues with the approval of the Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) The Secretary to Government (Environment and Ecology), Forest, Forests & Environment Department, Government of Gujarat Block 14, 8th 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