



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,  
GANDHINAGAR - 382010,  
(T) 079-23232152

BY R.P.A.D

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 & as amended from time to time framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated consent application Inward ID No. 312929 dated 20/06/2024 for the Consolidated Consent and Authorization (CC&A) of this Board and under the provisions/rules of the aforesaid acts. Consents & Authorization are hereby granted as under.

## CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

To,

M/s. Varni Enviro Care Pvt. Ltd -TSDF

Survey No. 283, Village: Surai,

Tal: Chotila, Dist: Surendranagar.

### 1. CONSENT ORDER NO: AWH – 137800, DATE OF ISSUE 19/10/2024

- 1.1 The consent under Water Act-1974, Air Act-1981 and Hazardous and Other Wastes (M&TM) Rules-2016 shall be valid up to 30/09/2025 at Survey No. 283, Village: Surai, Tal: Chotila, Dist: Surendranagar for the following facility.

Sr. No.	Product	Capacity
1.	Common secured landfill site (TSDF)	Phase-1: 1,86,592 MT

### 2. SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS

- 2.1 Unit shall strictly comply with all the conditions mentioned in the Environment Clearance granted by Ministry of Environment & Forest vide bearing no. F.No.21-40/2021-IA-III Date: 29/06/2021 and File No. 21-40/2021-IA-III date: 19/07/2023.
- 2.2 Unit shall comply with all the recommendations, suggestions and Environmental stipulations given by Hon. Supreme Court of India, Ministry of Environment, Forests and Climate Change, New Delhi, Central Pollution Control Board and Gujarat Pollution Control Board from time to time.
- 2.3 Unit shall strictly adhere and comply with the Guidelines/Manuals published by the relevant authorities for Construction and safe operation of the Hazardous Waste TSDF & Incineration systems like (a) Criteria for Landfills (b) Manual for design, construction and quality control

of liners and covers of Hazardous Waste Landfills (c) Guideline for proper functioning and upkeep of disposal site (d) Guideline for transportation of Hazardous Waste (e) Guideline for setting up of operating facility (f) Guideline for Hazardous waste Incinerator etc., along with the instruction and stipulation issued time to time for the safe handling, construction and operating of Hazardous Waste TSDF & Incineration Sites.

- 2.4 In case of deviation or alteration in the project including the implementing agency, a fresh reference shall be made to GPCB and MOEF&CC, New Delhi for modification in the Clearance conditions or imposition of new one for ensuring environmental protection. The project proponent shall be responsible for implementing the suggested safe guards.
- 2.5 Unit shall install piezometric wells in upstream and downstream of TSDF as per the CPCB guidelines for the monitoring of the ground water quality.
- 2.6 All necessary measures shall be taken so as there is neither any accumulation of the rainwater occurs at the site or any contaminated water/run off finds its way outside of the premises.
- 2.7 Unit shall have to follow the Guideline for Transportation, Storage, Handling and Labelling of Hazardous Waste published by CPCB.
- 2.8 Unit shall have to take all the precautions to control fugitive emission and Odour control from the different operations of your site as per the Guideline of CPCB.
- 2.9 Unit shall develop green belt all along the periphery of the TSDF as per the CPCB guidelines and Environmental Clearance condition with plant species that are significant and used for the pollution abatement. Drip irrigation system shall be used for the green belt for optimum utilization of the water resources.
- 2.10 Unit shall take adequate measures to control odour nuisance from the industrial activities which may include measures like- use of masking agent with atomizer system (water curtain), closed / automatic material handling system, containment of the odour vulnerable areas etc.
- 2.11 Unit shall provide Wall to Wall carpeting in vehicle movement areas within premises to avoid dusting.
- 2.12 Unit shall submit the data of upstream and downstream of borewell, soil and ambient air monitoring to the Board.
- 2.13 Unit shall comply with CPCB guideline "Implementing liabilities for Environmental Damages due to handling and disposal of Hazardous waste and Penalty".
- 2.14 The funds earmarked for environment protection measures should be maintained in a separate account that is "Escrow Account" and the Escrow amount shall be maintained in Escrow Account as 5% on annual turnover of landfillable waste including cost of transportation, handling, treatment and disposal per year as per OM dt. 04/03/2024 of MoEF&CC. There shall be no diversion of these funds for any other purpose. A year wise expenditure on environmental safeguards shall be reported to GPCB and CPCB.
- 2.15 Construction of the proposed structures should be undertaken meticulously confirming to the existing Central/state/local rules and regulations. All the construction designs/drawings relating to the proposed Construction activities must have approvals of the concerned State Government Department/Institutes/Agencies of National repute.



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- 2.16 To meet any emergency situation, appropriate fire-fighting system should be available. Appropriate arrangements for uninterrupted power and water supply to meet the requirements of the environment protection equipments and continuous water supply for the fire fighting system should be provided.
- 2.17 Unit shall provide On-site laboratory to verify type of waste received from member units prior to its Collection, Storage & Disposal and shall be in accordance to the Acceptance criteria of Hazardous waste as per CPCB guidelines.
- 2.18 On-site records including approved design and lay-out of secured landfill, records of reception, Collection, Storage and Disposal of Hazardous Waste shall be maintained including details of waste category and quantity as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016.
- 2.19 In no case hazardous waste shall be disposed off on land, within or outside the premises, sold out to traders/ dealers or transferred without prior approval of the Board.
- 2.20 As per "Public Liability Insurance Act 1991" company shall get insurance policy and valid copy of policy shall be submitted to Gujarat pollution Control Board.
- 2.21 The project proponent shall transport Hazardous waste through authorized dedicated Vehicles with GPS (Global Positioning System) enabled mounted vehicle "AIS 140 compliant" system and in line with Hazardous and Other Waste (M &TM) Rules-2016. Unit shall follow the online manifest system on XGN for collection, reception, storage of waste from your member units.
- 2.22 Unit shall maintain the records of Hazardous waste generators, collection and its storage and submit to Gujarat Pollution Control Board from time to time.
- 2.23 The owner/operator of the facility shall apply in writing at least 6 months in advance seeking approval for the closure of the facility to the Gujarat Pollution Control Board along with detailed closure plan of individual cell.
- 2.24 Post storage and disposal monitoring as per guidelines of CPCB shall be continuously carried out and report of the same shall be submitted to Gujarat Pollution Control Board.
- 2.25 The Board reserves the right to revoke and/or revoke consent and/or make modification in the conditions which it deems fit in accordance with provisions of Water Act – 1974.
- 2.26 The Environmental audit shall be carried out twice in a year and the environmental statements pertaining to the previous year shall be submitted to this Board by 30th June of every year only through a schedule-I auditor having valid recognition of the Board.
- 2.27 Unit shall have to strictly adhere and comply with the conditions laid down in these CTE (NOC) issued by this Board and other Environmental Stipulations Issued from time to time.

### **3. CONDITION UNDER WATER ACT 1974:**

- 3.1. Total water consumption (69 KLPD) shall not exceed following category wise utilization:

Sr. No.	Purpose	Quantity
1	Domestic	1 KLPD
2	Gardening	40 KLPD
3	Industrial	28 KLPD

- 3.2 The quantity of the domestic waste water (Sewage) shall not exceed 1 KLPD.
- 3.3 The domestic waste water (Sewage) shall be disposed off through septic tank/ soak pit system.
- 3.4 The industrial waste water generated from process (Leachate (16 KLPD), Scrubber (1 KLPD) and washing activity (10 KLPD)) shall not exceed 27 KLPD, out of which 3 KLPD wastewater shall be sent to spray dryer facility & remaining 24 KLPD w/w shall be recycled back into landfill after treatment in primary ETP. Under no circumstances, either treated or untreated effluent shall be discharged into drain or otherwise for which permission is not granted.

#### 4. CONDITIONS UNDER AIR ACT 1981:

- 4.1 The process gas emission through stack attached to the stabilizing area shall conform to the following standards:

Sr. No.	Stack attached to	Stack height	APCM	Permissible limit
1.	Waste stabilization pit	11 m	Alkali Scrubber	PM-150 mg/Nm <sup>3</sup> HCL-20 mg/Nm <sup>3</sup>

- 4.2 Stack monitoring facilities like port-hole, platform/ladder etc., shall be provided with stack/vents chimney in order to facilitate sampling of gases being emitted in to the atmosphere as per standard MOEF/CPCB guideline.
- 4.3 Ambient air quality within the premises of the facility shall conform to the National Ambient Air Quality standard published by CPCB as following:-

Parameter	Concentration in Ambient Air		Method of Measurement
	Annual	24 hrs. Average	
Particulate matter-10 (PM <sub>10</sub> )	60 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>	Gravimetric, TOEM Beta attenuation
Particulate matter-2.5 (PM <sub>2.5</sub> )	40 µg/m <sup>3</sup>	60 µg/m <sup>3</sup>	Gravimetric, TOEM Beta attenuation
Sulphur Dioxide(SO <sub>2</sub> )	50 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	Improved West and Gacke Ultraviolet fluorescense
Nitrogen Dioxide (NO <sub>2</sub> )	40 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	Modified Jacob & Hoecheiser (Na-Arsenite) Chemiluminescence
Benzene	5 µg/m <sup>3</sup>	-----	Gas chromatography based continuous analyzer Adsorption and Desorption



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			followed by GC analysis
Benzo (a) pyrene (BaP)-Particulate Phase only	01 ng/m <sup>3</sup>	-----	Solvent extraction followed by HPLC/GC analysis
Arsenic(As)	06 ng/m <sup>3</sup>	-----	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper
Nickel (Ni)	20 ng/m <sup>3</sup>	-----	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper
Lead (Pb)	0.50 µg/m <sup>3</sup>	1.0 µg/m <sup>3</sup>	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper ED-XRF using Teflon filter
Ammonia	100 µg/m <sup>3</sup>	400 µg/m <sup>3</sup>	Chemiluminescence Indophenol blue method
Ozone	100 µg/m <sup>3</sup> 8 hours	180 µg/m <sup>3</sup> 1 hour	UV photometric Chemiluminescence Chemical Method
Carbon Monoxide (CO)	02 mg/m <sup>3</sup> 8 hours	04 mg/m <sup>3</sup> 1 hour	Non dispersive Infra Red (NDIR) spectroscopy

## 5. CONDITIONS UNDER HAZARDOUS WASTE MANAGEMENT RULES:

- 5.1 Number of authorization: AWH - 137800 Date of issue: 19/10/2024.
- 5.2 M/s. Varni Enviro Care Pvt. Ltd -TSDF is hereby granted an authorization to operate facility for hazardous waste TSDF on the premises situated at Survey No. 283, Village: Surai, Tal: Chotila, Dist: Surendranagar.

Sr. No.	Type of waste	Category	Quantity	Disposal mode
1.	Used/ Spent oil	5.1	1 MTPA	Collection, storage & Transportation, sale to authorized recycler.
2.	Bags/ Drums/ Barrels	33.1	200 Nos./Day (1100 MT/Year)	Collection, storage & Transportation, sale to authorized recyclers by decontamination facility.
3.	ETP Sludge	35.3	10.8 MTPA	Collection, Storage and Disposal in own TSDF.

### A. General condition:

1. The Authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

2. The Authorization or its renewal shall be produced for inspection at the request of an officer Authorized by the State Pollution Control Board.
3. The person Authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.

**B. Specific Conditions:**

1. In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
2. The occupier of the facility shall comply Standard operating procedure/ guidelines published by MoEF & CC or CPCB or GPCB from time to time.
3. The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.
4. Unit shall submit the data of upstream and downstream of borewell, soil and ambient air monitoring to the Board.



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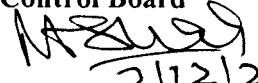
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5. Unit shall comply with CPCB guideline "Implementing Liabilities for Environmental Damages due to handling and disposal of Hazardous waste and Penalty"
  6. Unit shall comply with the notarized undertaking regarding "In case of any accident/spillage/leakages occurred during handling and disposal of Hazardous waste, all responsibility of assessment and remediation shall be carried out by the TSDF operator".
  7. Unit shall comply with the CPCB guidelines for TSDF.
  8. Unit shall comply with the CPCB guidelines for transportation of hazardous waste.
  9. In case of groundwater withdrawal, unit shall obtain CGWA permission and submit the same to the Board.
  10. Unit shall comply with all the conditions of EC issued by SEIAA.
- 6. GENERAL CONDITION:**
- 6.1 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
  - 6.2 The applicant shall submit the returns in prescribed form regarding water consumption and shall make payment of water cess to the Board under the Water Cess Act- 1977.
  - 6.3 Applicant shall comply with all guidelines/ directives issued / being issued by MOEF/ CPCB /DOEF/GPCB.
  - 6.4 Applicant shall comply with Risk Assessment and Disaster management Plan.
  - 6.5 Applicant shall carry out mock drill both on site and off site for all the possible eventualities at a regular interval of time. For any of the disastrous situation escape route shall have to be predefined properly marked and shall be brought to the knowledge of all the concerned.
  - 6.6 The Environmental audit shall be carried out twice in a year and the environmental statements pertaining to the previous year shall be submitted to this Board latest by 30th September of every year.
  - 6.7 In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.
  - 6.8 The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed facility. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
  - 6.9 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:  
Between 6 A.M. and 10 P.M.: 75 dB (A)  
Between 10 P.M. and 6 A.M.: 70 dB (A)
  - 6.10 Applicant is required to comply with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
  - 6.11 Full support shall be extended to the officers of MoEF, CPCB, GPCB and all other relevant authorities by the project proponents during their inspection for monitoring purposes by

furnishing full details and action plans including the action taken reports in respect of initiative measures and other environmental protection activities.

- 6.12 GPCB reserves the right to stipulate additional condition if found necessary. The company shall implement these conditions in a time bound manner in a true letter and spirit.
- 6.13 6.13 The Board reserves the right to revoke consent and / or make modification in the conditions which it deems fit.

**For And On Behalf Of  
Gujarat Pollution Control Board**

  
2/12/24

(N. A Shah)

**Unit Head, Hazardous waste cell**

**Issued to:**

No. GPCB/HAZ-GEN-729(1)/ID-79917/

Date: 03/12/2024

To,

**M/s. Varni Enviro Care Pvt. Ltd -TSDF**

Survey No. 283, Village: Surai,

Tal: Chotila, Dist: Surendranagar.