

CETEX PETROCHEMICALS LTD

Regd. Office & Factory :

Manali, Chennai - 600 068.

Tel : 044-25945150-60, Fax : 044-25945161

GSTIN : 33AACCC3144N1ZR, CIN : U24119TN2003PLC050501

E-mail : cetexho@cetexpetro.com Website : www.cetexpetro.com



Cetex/ TNPCB/ Annual return/01/2026

September 3rd 2026

To,

The District Environmental Engineer,
Manali (MERRC)
Tamilnadu Pollution control Board
"VOORA OCEANS 27"
1ST Floor, Surya Narayana Street,
Ennore Express Road, Tondairpet, Tollgate,
Chennai – 600081

Dear Sir,

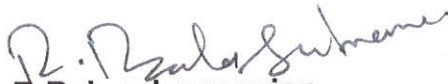
Environmental Statement for the period 01.04.2025 to 31.03.2026

Please find enclosed the Environmental Statement for the financial year ending March 2026 in triplicate, as per the Rule 14 of the Environment (Protection) Rules 1986 as amended in 1993.

Kindly acknowledge receipt.

Thanking you,

Yours faithfully
for Cetex Petrochemicals Limited


R Balasubramanian
Executive Director.



Cc: The Member Secretary
100, Anna Salai
Chennai -600 032

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City Office :

Guna Complex, 3rd Floor, Main Building Rear side,
New Door No. 443 & 445, Old No. 304 & 305,
Anna Salai, Teynampet, Chennai – 600 018.
Tel : 2434 6727 / 37





MINISTRY OF ENVIRONMENT AND FORESTS
NOTIFICATION

NEW DELHI, THE 22ND APRIL 1993

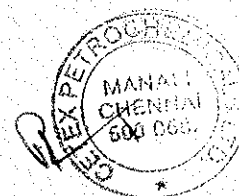
[PART II, SECTION 3, SUB-SECTION (1)]

"FORM V"
(SEE RULE 14)

Environmental Statement for the financial year ending
31st March 2026

PART A

- | | | | |
|----|--|---|---|
| a) | Name & address of the owner/
Occupier of the industry
Operation or process | : | Mr. R. Balasubramanian,
Executive Director,
Cetex Petrochemicals Limited,
Manali, Chennai-600068. |
| b) | Industry category (Primary/
Secondary) | : | Petrochemical - large.
Manufacturing unit |
| c) | Production capacity | : | 15,000 MT per annum - Methyl Ethyl Ketone
12,000 MT per annum - Secondary Butyl Alcohol
5,000 MT per annum - Methyl Isobutyl Carbinol |
| d) | Year of establishment | : | Commercial production from 1991. |
| e) | Date of last Environmental
Statement submitted | : | 8 th September 2025. |



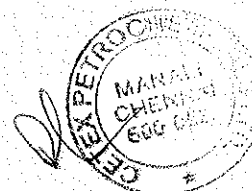
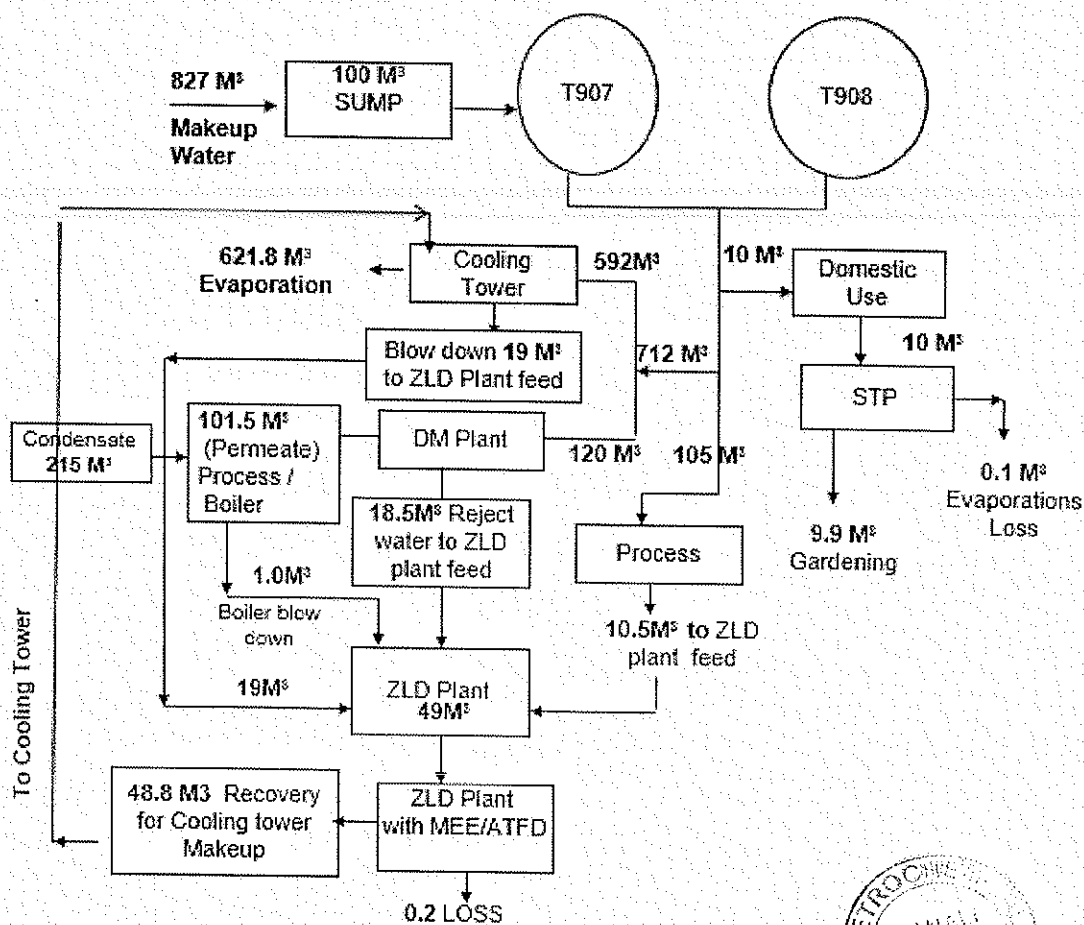
PART B

WATER AND RAW MATERIAL CONSUMPTION

Water Consumption

Sl.No	Description	M ³ /day	M ³ /Year
1	Process	105.00	36750.00
2	Cooling & Boiler feed	712.00	249200.00
3	Domestic	10.00	3650.00
	Total	827.00	289600.00

Water Balance (M³/D)



Process water consumption per product Output (M³/MT)

Name of the product	During the previous financial year (2024-25)	During the current financial year (2025-26)
Methyl Ethyl Ketone	1.752	1.692

II RAW MATERIAL CONSUMPTION

Raw Material Consumption for the year 2025-2026

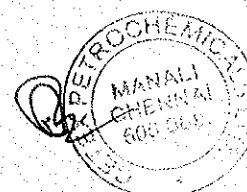
a)	MEK Feedstock (C4 stream)	
	Cis + Trans 2-Butene (75%)	: 25432 MT
b)	98% Sulphuric Acid	: 20682 MT
c)	Methyl Isobutyl Ketone	: 2903 MT

Production Details

a)	Methyl Ethyl Ketone (MEK)	: 10498 MT
b)	Secondary Butyl Alcohol (SBA)	: 10701 MT
c)	Methyl Isobutyl Carbinol (MIBC)	: 2892 MT

Consumption of raw material per unit of output

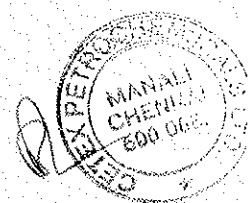
Nature of raw material	Name of the products	During the previous financial year (2024-25)	During the current financial year (2025-26)
MEK Feedstock (Cis + Trans Butene-2)	Methyl Ethyl Ketone	1.187	1.170
98% Sulphuric Acid	Methyl Ethyl Ketone	0.981	0.9520
Methyl Isobutyl Ketone (MIBK)	Methyl Isobutyl Carbinol	1.016	1.003



PART C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

SL. No.	Source of Effluent Generation	Type of Effluent	Quantity (M3/ D)	Method of Disposal
1	Canteen, Toilets and Washings from personal hygiene	Domestic Sewage	11	Treated in STP. Treated water used for gardening purpose on own land
2	Cooling tower blow down and DM regeneration waste water	Trade Effluent	40	Trade effluent is treated in ETP and the treated water is used for cooling tower makeup.
3	Process Effluent and Boiler blowdown	Trade Effluent	30	Trade effluent is treated in ETP and the treated water is used for cooling tower makeup



Ambient Air Quality Survey - Report (AAQS)

(Based on AAQ Survey conducted by TNPCB on 27.05.2025)

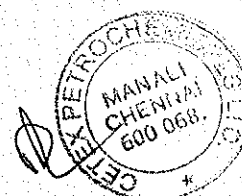
Pollutants	Quantity of pollutants discharged (Kg/day)	Pollutant concentration (ug/m ³)	Percentage of variation from prescribed standards with reason TNPCB Std. Limit (Mg/Ltr.)	Tolerance Limit Microgram/ M3
<u>AIR</u>			<u>Mgm/NM3</u>	
a) NO ₂	---	19	Well within limit	80
b) SO ₂	---	9	Well within limit	80
c) PM10	---	58		
d) PM 2.5	---	19		

REPORT OF ANALYSIS: STACK (SOURCE) EMISSION

(Based on AAQ Survey conducted by TNPCB on 27.05.2025)

S.No	Stack attached to	Stack parameters Mg/NM ³		
		SO ₂	NOX	PM
1	Bio Mass Boiler - 8T & Hot Oil Heater APC – Dust Collector	13	112	40
2	Bio Mass Boiler – 22T & Thermic Heater APC - ESP	29	122	54

NOTE: The above analysis is done by TNPCB District Environmental Laboratory, Manali.



PART D

HAZARDOUS WASTES

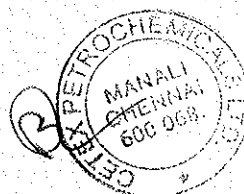
(As specified under Hazardous Wastes (Management & Handling) Rules 2016)

Hazardous Wastes	During the previous financial year 2024	During the current financial year 2025	Total quantity in plant as on 31 st March'2026
a) From process	NIL	NIL	NIL
b) From pollution control facilities	NIL	NIL	NIL
c) Every Action relating to any use of lubricating and system oil. (Its)	600	0.00	200.00
d) Used catalyst (Copper with diatomic earth carrier) from MEK carriers (Kgs)	400	0.00	0.00
e) Solid wastes arising from ETP (Kgs)	1150	0.00	0.00

PART E

SOLID WASTES

Description	Total Quantity (Kg.)	
	During the previous financial year	During the current financial year
a) From process	Nil	0
b) From pollution control facility	NIL	0
c) Quantity recycled or re-utilized within the unit	NIL	0



PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes

Nature of the waste	Composition	Quantity	Disposal
Hazardous waste	Spent lubricating oil	930Lts	Sold to authorized reclamation unit
Spent catalyst and solid waste arising from ETP	CuSiO_2 / Na_2SO_4	17300 Kgs	Stored in a shed and disposed to common hazardous waste facility at Gummudipoondi.
Organic waste	Canteen waste	100 Kgs	Collected in composite pit-Using as a manure for gardening purpose
Other waste	Paper waste House Keeping Waste & Dried leaves	550 Kgs	Paper was sold to recycler & Other waste Collected in composite pit-Using it as a manure for gardening purpose

PART G

Impact of the pollution abatement measures taken on conservation on natural resource and on the cost of production.

1. The treated water from the STP is reused for gardening and greenbelt development, while the treated water from the ETP is utilized as makeup water for the cooling tower. This water-reuse system enables the facility to operate under a Zero Liquid Discharge (ZLD) regime.
2. The inlet and outlet flow meters for the treated effluent from the ETP/STP are connected online to the CARE AIR Centre, enabling continuous monitoring and real-time transmission of flow data.





3. CCTV cameras are installed in the ETP/STP area and connected online to the CARE AIR Centre, facilitating continuous remote monitoring of the treatment facilities.
4. Emission parameters from the boiler stack, including Particulate Matter (PM), SO_x, NO_x and CO, are continuously monitored through an Online Continuous Emission Monitoring System (OCEMS) connected to the CPCB and TNPCB servers for real-time monitoring and data transmission.
5. Online remote calibration facilities are incorporated in the stack emission monitoring systems to facilitate periodic calibration and verification of the monitoring instruments.
6. VOC monitors are installed in the Tank Farm and Bullet Storage areas and connected online to the CARE AIR Centre for continuous monitoring and real-time data transmission.
7. A hydrocarbon chilling system is installed and operated for the recovery of hydrocarbons from the hydrogen stream, thereby reducing hydrocarbon losses through flaring.
8. Hydrogen generated in the MEK process sections is recovered and utilized in the hydrogenation process for the manufacture of MIBC, thereby promoting resource recovery and reducing waste generation.
9. Chilling systems are incorporated in the secondary condensers for effective condensation and recovery of volatile organic compounds (VOCs) from process vapours, thereby reducing VOC emissions and material losses.
10. A Vent Gas Recovery System (VGRS) is installed and operated to recover and control vapours released during filling operations, thereby minimizing atmospheric emissions of volatile organic compounds (VOCs).
11. The Effluent Treatment Plant (ETP) has been upgraded in accordance with the requirements stipulated in the Environmental Clearance (EC). The upgraded ETP incorporates an Anaerobic Hybrid Reactor (AHR), an enhanced aeration system and two additional stages of Multiple Effect Evaporators (MEE) to improve treatment efficiency and facilitate ZLD operation.
12. Feed water to the Demineralization (DM) plant is pre-treated through a Reverse Osmosis (RO) system to improve feed-water quality. This pretreatment reduces the frequency of DM plant regeneration cycles and consequently minimizes the generation of regeneration wastewater.





13. Caustic water generated from the process is recycled and reused for neutralization, thereby reducing fresh caustic consumption and minimizing wastewater generation.

PART H

Additional measures/investment proposal for environmental protection including abatement of pollution. Prevention of pollution

A part of the process effluent from the Neutralization section is reused for chemicals preparation reducing the load of ETP. The possibility of increasing the reuse is being explored.

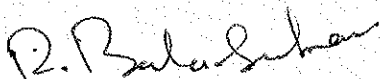
PART I

Any other particulars for improving the quality of the environment

Tree Plantation is carried out around the Plant site on a continuous basis. Cetex has made it a practice that employees plant saplings on their birthdays. The family members of employees also plant saplings during the annual day, Guests and Representatives from the Government Regulatory Bodies also plant samplings during their visit.

Usage of nonrecyclable plastics are banned inside the factory.

For **Cetex Petrochemicals Ltd,**


R Balasubramanian
Executive Director.

