



# Tamilnadu Petroproducts Limited

Ref: TPL – PO/ 2025/EC Comp/05

23<sup>rd</sup> May- 2025

The Director (S)  
Ministry of Environment, Forest & Climate Change  
Integrated Regional Office  
First Floor, Additional Office Block for GPOA  
Shastri Bhawan, Haddows Road,  
Nungambakkam,  
Chennai – 600 006.

Dear Sir,

**Sub: TPL – ECH – PO Plant – Environmental Clearance (EC) – Six Monthly Compliance Report – Oct 2024 to Mar-2025 - reg.**

Ref: F.No. J-11011/280/2013-IA-II (I) dated 15.05.2015

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This has reference to the Environmental Clearance obtained from MoEF, New Delhi for product mix change an existing ECH plant located at Manali, Chennai.

We herewith attach the EC compliance status report for the period from October 2024 to March 2025 for your kind reference.

Thanking you,

Yours faithfully,  
For Tamilnadu Petroproducts Limited

  
N. Murugan  
VP – Operations



Regd. Office & Factory :  
Post Box No. 9, Manali Express Highway, Manali, Chennai - 600 068. India.  
Tel. : (0091) - 44 - 25945500 to 09 Telefax : 044-2594 5588  
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TPL GSTIN : 33AAACT1295M1Z6



**Environmental Clearance Compliance Status Report**  
**For the period from OCT 2024 to MAR 2025**

**Ref : No. J – 11011/280/2013 – IA.II(I) dated 15.05.2015**

**( A ) Specific Condition:**

	Conditions	Compliance
i	Caustic scrubber shall be provided to control Chlorine emissions. The scrubbed water should be sent to ETP for further treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. Scrubber vent shall be provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters. At no time, the emission levels shall go beyond the prescribed standards. The system should be interlocked with the pollution control equipment so that in case of any increase in pollutants beyond permissible limits, plant should be automatically stopped.	<p>Complied</p> <p>Caustic scrubber is provided to control Chlorine emissions. The scrubbed water is sent to ETP for further treatment. Efficiency of scrubber is being monitored regularly and maintained properly by following measures.</p> <ul style="list-style-type: none"> <li>• Measuring concentration of circulating caustic and vent gas emission level.</li> <li>• Caustic solution is replenished when there is a depletion in level.</li> <li>• It is also replaced, whenever the concentration goes below the limit.</li> </ul> <p>Online Chlorine analyser is installed in the scrubber vent stack with alarm set at 1.5 ppm as high alarm value for continuous monitoring and real time online monitoring data is being transmitted to TNPCB and CPCB's servers.</p> <p>The emission levels have always been maintained within the prescribed standards.</p> <p>The emission levels are continuously monitored, and real time monitoring data is being transmitted online to TNPCB and CPCB's servers.</p> <p>Interlocking system is provided with the pollution control equipment, to shut down the unit, in case of any increase in pollution load.</p>





ii	<p>Ambient air quality data shall be collected as per NAAQS standards notified by the ministry vide GSR No. 826 (E) dated 16.09.2009 the levels of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, Cl<sub>2</sub>, VOC and HC (methane and non-methane) shall be monitored in the ambient air and emission from stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the Tamilnadu Pollution Control Board /TNPCB)</p>	<p>Complied</p> <ul style="list-style-type: none"> <li>• Ambient Air Quality (AAQ) is monitored manually at 2 locations through accredited lab as per NAAQS standards notified by the ministry vide GSR No. 826 (E) dated 16.09.2009 for 12 parameters, once in 6 months basis.</li> <li>• Ambient Air Quality (AAQ) is being monitored at 2 locations for the parameters such as PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, CO, NO<sub>x</sub>, Ammonia, Chlorine by internal lab once in a week.</li> <li>• Stack emissions are monitored through accredited lab, once in 6 months basis.</li> <li>• Online continuous Ambient Air Quality monitoring equipment as well as online continuous stack monitoring equipment are installed and the real time monitored data are being transmitted to TNPCB and CPCB's servers.</li> <li>• The real time data are also displayed near the main gate of the company.</li> <li>• The monitored data are uploaded on the company's website and also being updated periodically.</li> <li>• In addition to this the manually monitored data are being submitted to TNPCB on monthly basis and CPCB as well as the Regional office of MoEF once in six months.</li> </ul>
iii	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling and conveyance of chemical/materials, multi</p>	<p>Complied</p> <p>The following measures are taken to control the fugitive emission.</p> <ul style="list-style-type: none"> <li>• HC and Chlorine detectors are provided with alarm system to monitor fugitive emission in the</li> </ul>



	<p>cyclone separator and water sprinkler system. Dust suppression system including water sprinkler system shall be provided at loading and unloading areas to control dust emissions. Fugitive emission in the work zone environment. Product, Raw materials storage area, etc., shall be regularly monitored. All necessary steps should be taken for monitoring of Chlorine as well as VOC in the proposed plant.</p>	<p>work zone environment, Product, raw materials and storage area.</p> <ul style="list-style-type: none"> <li>• Raw material Propylene is stored in bullets with sensors/detectors.</li> <li>• Chlorine is received through pipeline from the adjacent Heavy Chemicals Division of the same company, thereby avoiding any potential emissions while handling Cylinders</li> <li>• Propylene Oxide (PO) and Chlorinated Organics are stored in closed tanks with sensors/detectors and handled in closed pipelines.</li> <li>• Lime (bags) is stored in a closed shed.</li> <li>• Water sprinkling is being carried out at lime Loading and unloading area for dust suppression.</li> <li>• Ambient Air Quality (AAQ) is monitored for Chlorine and VOC manually at 2 locations through accredited lab.</li> <li>• Chlorine in the Ambient Air is monitored at 2 locations by internal lab once in a week.</li> <li>• Online analysers for Chlorine and VOC are installed for continuous monitoring and the real time monitored data are being transmitted to TNPCB and CPCB's servers</li> </ul>
iv	<p>The gaseous emissions from DG set shall be disposed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.</p>	<p>Complied.</p> <p>In the Emergency DG set, which is operated for short duration, during power outages, Adequate stack height is provided, as per the CPCB standard to dispose gaseous emission from stack. Ambient Noise level is monitored manually by internal lab once in a month.</p>





v	<p>Leak Detection and Repair programme shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to. Fugitive emissions of HC from product storage tank yards etc., must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations. Company shall protect their equipment from aging.</p>	<p>Complied</p> <ul style="list-style-type: none"> <li>• Leak Detection and Repair (LDAR) programme is prepared and is being implemented to control HC/VOC emissions.</li> <li>• LDAR survey is being carried out through accredited laboratory once in a year.</li> <li>• LDAR survey has been conducted through M/s. Hubert Enviro Care System (P) Ltd, Chennai in March-2025.</li> <li>• Preventive maintenance for Pumps are carried out once in six months.</li> <li>• Preventive monitoring of Valves and pipelines are carried out &amp; required maintenance carried out to prevent fugitive emissions</li> <li>• Proper maintenance and preventive checks for mechanical seals of pumps and valves are carried out once in six months by internal team.</li> <li>• VOC detectors are installed at Product Storage Yard (Propylene Oxide and Propylene Storage tanks area) to monitor fugitive emission continuously.</li> <li>• VOC detectors/sensors are provided in the work zone environment, Product, Raw materials storage area for continuous monitoring.</li> <li>• Proper maintenance program is developed &amp; implemented to protect equipment from ageing.</li> </ul>
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vi	Alarm for chlorine leakage if any in the liquid chlorine storage area is provided along with automatic start of the scrubbing system.	<p>Complied</p> <p>Chlorine is not stored in tanks &amp; is received by pipelines from the adjacent unit of Heavy Chemicals Division of the same company</p> <p>Chlorine sensors are provided with alarm, to monitor continuously for chlorine leakage. Chlorine scrubber is being operated continuously.</p>
vii	Total water requirement from CMWSSB water supply shall not exceed 1650 m <sup>3</sup> /day and prior permission should be obtained from competent authority.	<p>Complied.</p> <p>The total water requirement is met with Tertiary treated reverse osmosis (TTRO) water from CMWSSB, based on prior permission &amp; has not exceeded 1650 m<sup>3</sup>/day.</p>
viii	As proposed, industrial effluent shall be treated in ETP. Treated effluent from ETP shall be discharged to sea after conforming to the standards prescribed for the effluents discharge and obtaining permission from the TNPCB. Domestic sewage should be treated in STP.	<p>Complied</p> <p>Effluent generated from PO plant is treated in the Effluent Treatment plant. Treated effluent from ETP is discharged to sea after conforming to the prescribed standards as stipulated by TNPCB.</p> <p>Obtained permission (CTO) from TNPCB for disposal of treated effluent into sea. Domestic sewage is treated in the common Sewage Treatment Plant (STP).</p>
ix	Treated effluent should be passed through guard pond. Monitoring (24*7) through online pH meter, flow meter and TOC analyser should be installed. The data to be made available to the respective SPCB and in the company's website.	<p>Complied</p> <p>Collection Pit is provided and treated effluent is pumped to sea through Collection pit.</p> <p>Online continuous analyser is provided to monitor for pH, TOC (BOD / COD), TSS and Flow meters etc., and the real time monitored data are being transmitted to TNPCB and CPCB's servers.</p> <p>The manually monitored data are being submitted to TNPCB on monthly basis and uploaded on the company's website periodically.</p>





x	<p>The company shall obtain Authorisation for collection, storage and disposal of hazardous waste under the Hazardous waste (MH and TB) Rules 2008 and amended as on date for management of Hazardous wastes and prior permission from TNPCB shall be obtained for disposal of solid / hazardous waste in the TSDF.</p> <p>Measures shall be taken for firefighting facilities in case of emergency</p>	<p>Complied</p> <p>Authorisation for collection, storage and disposal of Hazardous waste under hazardous waste (MH and TB) Rules 2016 has been obtained from TNPCB.</p> <p>Solid waste (lime sludge) is disposed to downstream industries such as brick manufacturers.</p> <p>Also, permission is obtained for disposal of hazardous waste to TSDF vide Authorisation No: 21HFC20874189 dated 28.12.2021. Validity up to 31.03.2026</p> <p>Firefighting facilities are provided &amp; Onsite emergency plan is maintained to mitigate, in case of any emergency.</p>
xi	<p>The company shall strictly comply with the rules &amp; guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA) 1989</p>	<p>Complied</p> <p>Hazardous chemicals are being handled as per the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules 1989 and rules and guidelines are strictly being followed.</p> <p>Material Safety data sheets are available for handling chemicals.</p> <p>Hazardous Chemicals are transported as per the Motor Vehicle Act (MVA) 1989.</p>
xii	<p>The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. Fire hydrant system shall be provided along with fire monitor and flame detection system in the process as well as storage areas.</p>	<p>Complied</p> <p>Arrangements such as firefighting facilities, portable fire extinguisher, fire monitors, fire hydrants, sprinkler system, etc., are provided for protection of possible fire hazards during manufacturing process in material handling.</p> <p>Firefighting system is provided as per the norms and obtained Fire license from Tamilnadu Fire &amp; Rescue services, Govt. of Tamilnadu.</p>



		<p>Fire hydrant system along with fire monitors, Portable extinguisher and flame detectors are provided in the process as well as storage areas.</p> <p>Additionally, Medium velocity sprinkler system is also provided in the Propylene, Dichloropropane and Propylene oxide storage tanks.</p>
xiii	All the recommendations made in the risk assessment report should be satisfactorily implemented.	<p>Complied</p> <p>Recommendations given in the risk assessment report are implemented and being maintained.</p> <p>Salient recommendations are as follows:</p> <ul style="list-style-type: none"> <li>• Nitrogen gas padding is provided in propylene oxide storage and during transfer to prevent air entering the system and forming explosive mixture.</li> <li>• Remote operated shut off valve is provided at inlet of reactor feed line to cut off chlorine, in case of emergency.</li> <li>• Manual isolation at Heavy Chemicals Division and automatic shutoff valve at PO plant are provided in the chlorine pipelines.</li> <li>• Medium velocity sprinkler system is provided to propylene oxide and propylene storage bullets.</li> <li>• Dyke is provided in the storage area to contain spill.</li> <li>• Fencing is provided with security, to the entire storage area.</li> <li>• Entry is restricted to 50 m from the storage area and being ensured.</li> <li>• The area around the storage is free of ignition sources and other hazards.</li> </ul>





		<ul style="list-style-type: none"> <li>• Sensors with alarm systems are provided in the storage bullets</li> <li>• Fire hydrant system is provided throughout the storage area.</li> <li>• Regular mock drill is being conducted.</li> <li>• Onsite emergency plan is available, and recommendations are being implemented.</li> </ul>
xiv	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act	<p>Complied</p> <p>Occupational health surveillance is being conducted for employees periodically, as per the Factories Act. Health records are available and being maintained as per the Factories Act.</p>
xv	As proposed, greenbelt should be developed at least 48561 m2 area in and around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with DFO. Selection of plant species should be as per the CPCB guidelines.	<p>Complied</p> <p>Green belt is developed in 48561 m<sup>2</sup> (4.8562 Hectare) area in and around the factory premises to mitigate the effects of fugitive emissions all around the factory.</p> <p>Plant species are selected as per the CPCB guidelines.</p>
xvi	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc., the housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	<p>Complied</p> <p>Contract workers were engaged for construction activity from nearby location and hence housing facility was not provided during the construction time. However other facilities such as toilet, safe drinking water, medical facilities were provided to the construction workers during the construction time.</p> <p>Construction wastes were disposed within the premises as landfill without affecting the surrounding environment.</p>



	General Conditions	
i	The project authorities shall strictly adhere to the stipulations made by the State Government and TN Pollution Control Board.	Complied All the stipulations made by the State Government and TN Pollution Control Board are being adhered regularly.
ii	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No further expansion or modification in the plant will be carried out, without prior approval of the Ministry of Environment and Forests. Fresh reference will be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, in case of any deviations or alterations in the project proposal.
iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentration are anticipated.	Complied Locations of ambient air quality monitoring stations are selected to monitor ambient air quality as per given guidelines & in consultation with TNPCB. One mobile monitoring station in the upwind and one mobile monitoring station in the downwind direction are provided for ambient air quality monitoring, which includes where maximum ground level concentration is anticipated.
iv	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment	Complied Acoustic hoods, silencers, enclosures, etc., are provided keep the noise level within the prescribed standards. Ambient noise levels at five locations are being monitored manually during day and nighttime by internal lab once in a month.





	(Protection) Act 1989 viz 75 dBA (day time) and 70 dBA (night time)	The ambient noise levels are within the prescribed standards of 75 dBA (daytime) and 70 dBA (nighttime).
v	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	<p>Complied</p> <p>Rainwater harvesting facility is provided at the following buildings to collect roof top rainwater and it is let into freshwater reservoir.</p> <ul style="list-style-type: none"> <li>• Mechanical workshop</li> <li>• Fire water pump house</li> <li>• Raw Water Pump house</li> <li>• Production Store Room</li> </ul> <p>Area covered is 5000 m<sup>2</sup>.</p> <p>The harvested water is utilised for process activities to conserve fresh water.</p> <p>Additionally, Recharge percolation pits are provided to recharge the rainwater into the pits.</p>
vi	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	<p>Complied</p> <p>Training on safety and health aspects of chemicals handling is conducted to all employees regularly.</p> <p>Pre-employment and routine periodical medical examinations are being conducted to all employees on regular basis.</p>
vii	Usage of personal protective Equipment (PPEs) by all employees / workers shall be ensured	<p>Complied</p> <p>Personal protective Equipment (PPEs) are provided to all employees / workers and ensured for using.</p>
viii	The company shall also comply with all the environmental protection measures and safe guards proposed in the documents submitted to the Ministry.	<p>Complied</p> <p>The environmental protection measures and safe guards proposed in the documents submitted to the Ministry are being complied at all times.</p>
	All the recommendations made in the EIA/EMP in respect of environmental management, Risk mitigation measures	<p>Complied</p> <p>Recommendations made in the EIA/EMP in respect of environmental</p>



	and public hearing relating to the project shall be implemented.	<p>management and risk assessment report are being implemented regularly.</p> <ul style="list-style-type: none"> <li>• Nitrogen gas padding is provided in propylene oxide storage and during transfer, to prevent air entering the system and forming explosive mixture.</li> <li>• Remote operated shut off valve is provided at inlet of reactor feed line to cut off chlorine, in case of emergency.</li> <li>• Manual isolation at HCD plant and automatic shutoff valve at ECH plant are provided in the chlorine pipelines.</li> <li>• Medium velocity sprinkler system is provided to propylene oxide and propylene storage bullets.</li> <li>• Dyke is provided in the storage area to contain spill.</li> <li>• Fencing is provided with security, to the entire storage area.</li> <li>• Entry is restricted to 50 m from the storage area and being ensured.</li> <li>• The area around the storage is free of ignition sources and other hazards.</li> <li>• Sensors with alarm systems are provided in the storage bullets</li> <li>• Fire hydrant system is provided throughout the storage area</li> <li>• Regular mock drill is being conducted.</li> <li>• Onsite emergency plan is available, and recommendations are being implemented.</li> </ul>
ix	The company shall undertake all relevant measures for improving the socio-economic conditions of the	<p><b>Being Complied</b></p> <p>Following social upliftment schemes are being carried out in the nearby area.</p>





	surrounding area CSR activities shall be undertaken by involving local villages and administration.	<p><b>1) Primary Health Care Centre (PHCC)</b> is provided at the following locations to cater to the primary health care needs of the people residing in nearby areas.</p> <ul style="list-style-type: none"> <li>• Sadayan Kuppam village, Manali</li> <li>• Vichoor village, Manali</li> <li>• Seemavaram village</li> <li>• Kannampalayam village</li> <li>• Periyasekkadu village</li> <li>• Mobile PHCC is provided.</li> </ul> <p><b>2) Rest Rooms were constructed at the following locations.</b></p> <ul style="list-style-type: none"> <li>• Government high school at Manali New Town.</li> <li>• Government high school at Redhills.</li> <li>• Government high school at Vichoor.</li> <li>• Government high school at Padiyanallur</li> <li>• Near Sathankadu police station</li> </ul>
x	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<p>Complied</p> <p>Eco-developmental measures (mainly green belt development) are taken to improve the environment.</p>
xi	A separate Environmental management cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	<p>Complied</p> <p>A separate Environmental management cell equipped with full-fledged laboratory facilities is established for carrying out the Environmental Management and Monitoring functions. In addition, third party laboratory is also engaged for monitoring.</p>
xii	The company shall earmark sufficient funds towards capital cost and recurring cost/annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the	<p>Complied</p> <p>Adequate funds towards capital cost and recurring cost/annum are allocated to implement the conditions stipulated by the Ministry of Environment and</p>



	implementation schedule for all the conditions stipulated herein.	Forests as well as the State Government. Implementation schedules are prepared for all the conditions stipulated herein and are implemented.
	The funds so earmarked for environmental management / pollution control measures shall not be diverted for any other purpose.	Complied Funds earmarked for environmental management / pollution control measures, are not diverted for any other purpose.
xiii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat / Municipal corporation, urban local body and local NGO, if any from who suggestions/representations, if any were received while processing the proposal.	Complied No suggestion was received from Panchayat / Municipal corporation urban local body and local NGO while processing the proposal.
xiv	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as email) to the respective Regional office of MoEF, the respective Zonal office of CPCB and the TN pollution Control Board.	Complied Six monthly reports on the status of the compliance of the stipulated environmental clearance conditions including results of monitored data is submitted to MOEF Regional Office through e-mail regularly.
	A copy of Environmental clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied. Six monthly compliance reports including monitoring data are uploaded in our company's website (www.tnpetro.com) and also updated periodically.
xv	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form – V as is mandated shall be submitted to the concerned State pollution Control Board as prescribed under Environment (Protection) Rules 1986, as amended subsequently shall also be put on the	Complied The environmental statement (Form V) is being submitted to TNPCB once in a year before 30 <sup>th</sup> Sep every year. Environmental statement (Form V) for the year 2023 – 2024 was submitted on 20.09.2024.





	website of the company along with the status of compliance of environmental clearance conditions and shall also sent to the respective Regional offices of MoEF by email.	Further, a copy of Form V is uploaded in the company's website. ( <a href="http://www.tnpetro.com">www.tnpetro.com</a> ) The six-monthly compliance status including results of monitored data is being submitted to MOEF Regional Office through e-mail regularly.
xvi	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB / Committee and may also be seen at website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . this shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concern Regional Office of the Ministry.	Complied Advertisements in two local newspapers (In English in The Financial Express and in Tamil in Makkal Kural) was published on 10.10.2018 and copies of the same were submitted to the Regional Office.
xvii	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Details the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project were informed to Regional Office, MoEF&CC.



**TEST REPORT**

**NAME OF INDUSTRY** : TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.  
Sample Ref No : GEL/AAQ/551/03 Date of Sampling : 20.02.2025  
Sample Ref No : 551/03 Reporting Date : 05.04.2025  
**Sampling Location** : CP Station 2  
Sample Description : Ambient Air Monitoring  
Sample Drawn By /Date : GEL/20.02.2025  
Received On : 20.02.2025  
Analysis Commenced On : 20.02.2025  
Analysis Completed on : 05.04.2025  
Sampling Method : IS 5182 (Part V) and ( Part XIV)  
Sampling Time : 8 Hrs  
Ambient Temperature : 38°C  
Relative Humidity : 59%

Sl.No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24-2019	µg / m <sup>3</sup>	31.50	60
2	Respirable Particulate Matter ( PM <sub>10</sub> )	IS 5182 Part 23-2012	µg / m <sup>3</sup>	61.50	100
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part 2 -212	µg / m <sup>3</sup>	11.60	80
4	Nitrogen Dioxide ( NO <sub>2</sub> )	IS 5182 Part 6-2012	µg / m <sup>3</sup>	13.10	80
5	Ozone (O <sub>3</sub> )	IS 5182 Part 9-1974 R.2009	µg / m <sup>3</sup>	17.80	180
6	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25-2018	µg / m <sup>3</sup>	18.20	400

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami – Head of the Laboratory

- NOTE;
1. Test results shown in this test report relate only to the items tested
  2. This test report shall not be reproduce anywhere except in full and in same format without the approval of the laboratory.



**TEST REPORT**

**NAME OF INDUSTRY**

**: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**

**ADDRESS**

Manali Express Highway,

Manali, Chennai - 600 068.

Sample Ref No : GEL/AAQ/551/03

Date of Sampling : 20.02.2025

Sample Ref No : 551/03

Reporting Date : 05.04.2025

**Sampling Location**

**: CP Station 2**

Sample Description

: Ambient Air Monitoring

Sample Drawn By /Date

: GEL/20.02.2025

Received On

: 20.02.2025

Analysis Commenced On

: 20.02.2025

Analysis Completed on

: 05.04.2025

Sampling Method

: IS 5182 (Part V) and ( Part XIV)

Sampling Time

: 8 Hrs

Ambient Temperature

: 38°C

Relative Humidity

: 59%

Sl.No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Lead (Pb)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1
2	Carbon Monoxide (CO) (1 Hour )	IS 5182 Part 10-1999 R.2009	mg/m <sup>3</sup>	BDL (DL=1.15)	4
3	Arsenic (As)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=1.0)	6
4	Nickel (Ni)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	20
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 Part 11-2012	µg / m <sup>3</sup>	BDL (DL=0.1)	5
6	Benzo (a) Pyrene	IS 5182 Part 12-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

- NOTE;
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**TEST REPORT**

**NAME OF INDUSTRY** : TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.  
Sample Ref No : GEL/AAQ/552/03 Date of Sampling : 20.02.2025  
Sample Ref No : 552/03 Reporting Date : 05.04.2025  
**Sampling Location** : PO Filling Point  
Sample Description : Ambient Air Monitoring  
Sample Drawn By /Date : GEL/20.02.2025  
Received On : 20.02.2025  
Analysis Commenced On : 20.02.2025  
Analysis Completed on : 05.04.2025  
Sampling Method : IS 5182 (Part V) and ( Part XIV)  
Sampling Time : 8 Hrs  
Ambient Temperature : 38°C  
Relative Humidity : 59%

Sl.No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24-2019	µg / m <sup>3</sup>	31.50	60
2	Respirable Particulate Matter ( PM <sub>10</sub> )	IS 5182 Part 23-2012	µg / m <sup>3</sup>	60.10	100
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part 2 -212	µg / m <sup>3</sup>	13.20	80
4	Nitrogen Dioxide ( NO <sub>2</sub> )	IS 5182 Part 6-2012	µg / m <sup>3</sup>	16.80	80
5	Ozone (O <sub>3</sub> )	IS 5182 Part 9-1974 R.2009	µg / m <sup>3</sup>	18.80	180
6	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25-2018	µg / m <sup>3</sup>	17.60	400

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for GREENEX ENVIRO LABORATORY PVT LTD





Verified By

A.Kaviyarasi- Technical Manager



Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY** : TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.  
Sample Ref No : GEL/AAQ/552/03 Date of Sampling : 20.02.2025  
Sample Ref No : 552/03 Reporting Date : 05.04.2025  
**Sampling Location** : PO Filling Point  
Sample Description : Ambient Air Monitoring  
Sample Drawn By /Date : GEL/20.02.2025  
Received On : 20.02.2025  
Analysis Commenced On : 20.02.2025  
Analysis Completed on : 05.04.2025  
Sampling Method : IS 5182 (Part V) and ( Part XIV)  
Sampling Time : 8 Hrs  
Ambient Temperature : 38°C  
Relative Humidity : 59%

Sl.N o	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Lead (Pb)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1
2	Carbon Monoxide (CO) (1 Hour )	IS 5182 Part 10-1999 R.2009	mg/m <sup>3</sup>	BDL (DL=1.15)	4
3	Arsenic (As)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=1.0)	6
4	Nickel (Ni)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	20
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 Part 11-2012	µg / m <sup>3</sup>	BDL (DL=0.1)	5
6	Benzo (a) Pyrene	IS 5182 Part 12-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**



*A. Kaviyarasi*  
Verified By

A.Kaviyarasi- Technical Manager

*K P Periaswami*  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**  
**ADDRESS**

**: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**

Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/553/03  
Sample Rep No : 553/03

Date of Sampling : 20.02.2025  
Reporting Date : 05.04.2025

**Sampling Location**

**: STP Gate No : 5**

Sample Description

: Ambient Air Monitoring

Sample Drawn By /Date

: GEL/20.02.2025

Received On

: 20.02.2025

Analysis Commenced On

: 20.02.2025

Analysis Completed on

: 05.04.2025

Sampling Method

: IS 5182 (Part V) and ( Part XIV)

Sampling Time

: 8 Hrs

Ambient Temperature

: 38°C

Relative Humidity

: 59%

Sl.N o	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24-2019	µg / m <sup>3</sup>	33.50	60
2	Respirable Particulate Matter ( PM <sub>10</sub> )	IS 5182 Part 23-2012	µg / m <sup>3</sup>	63.50	100
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part 2 -212	µg / m <sup>3</sup>	11.60	80
4	Nitrogen Dioxide ( NO <sub>2</sub> )	IS 5182 Part 6-2012	µg / m <sup>3</sup>	15.10	80
5	Ozone (O <sub>3</sub> )	IS 5182 Part 9-1974 R.2009	µg / m <sup>3</sup>	17.95	180
6	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25-2018	µg / m <sup>3</sup>	17.50	400

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**  
**ADDRESS**

**: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**

Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/553/03

Sample Ref No : 553/03

Date of Sampling : 20.02.2025

Reporting Date : 05.04.2025

**Sampling Location**

**: STP Gate No : 5**

Sample Description

: Ambient Air Monitoring

Sample Drawn By /Date

: GEL/20.02.2025

Received On

: 20.02.2025

Analysis Commenced On

: 20.02.2025

Analysis Completed on

: 05.04.2025

Sampling Method

: IS 5182 (Part V) and ( Part XIV)

Sampling Time

: 8 Hrs

Ambient Temperature

: 38°C

Relative Humidity

: 59%

S.No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Lead (Pb)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1
2	Carbon Monoxide (CO) (1 Hour )	IS 5182 Part 10-1999 R.2009	mg/m <sup>3</sup>	BDL (DL=1.15)	4
3	Arsenic (As)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=1.0)	6
4	Nickel (Ni)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	20
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 Part 11-2012	µg / m <sup>3</sup>	BDL (DL=0.1)	5
6	Benzo (a) Pyrene	IS 5182 Part 12-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

**for GREENEX ENVIRO LABORATORY PVT LTD**



*A. Kaviyarasi*  
Verified By

A.Kaviyarasi- Technical Manager

*K P Periaswami*  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**

**ADDRESS**

Sample Ref No : GEL/AS/554/03

Sample Ref No : 554/03

**Sampling Location**

Sample Description

Sample Drawn By /Date

Received On

Analysis Commenced On

Analysis Completed on

Sampling Method

Sampling Time

Ambient Temperature

Relative Humidity

: **TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**

Manali Express Highway,

Manali, Chennai - 600 068.

Date of Sampling : 20.02.2025

Reporting Date : 05.04.2025

: **Near Main Gate**

: Ambient Air Monitoring

: GEL/20.02.2025

: 20.02.2025

: 20.02.2025

: 05.04.2025

: IS 5182 (Part V) and ( Part XIV)

: 8 Hrs

: 38°C

: 59%

Sl.No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24-2019	µg / m <sup>3</sup>	58.60	60
2	Respirable Particulate Matter ( PM <sub>10</sub> )	IS 5182 Part 23-2012	µg / m <sup>3</sup>	89.80	100
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part 2 -212	µg / m <sup>3</sup>	12.90	80
4	Nitrogen Dioxide ( NO <sub>2</sub> )	IS 5182 Part 6-2012	µg / m <sup>3</sup>	19.20	80
5	Ozone (O <sub>3</sub> )	IS 5182 Part 9-1974 R.2009	µg / m <sup>3</sup>	16.50	180
6	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25-2018	µg / m <sup>3</sup>	17.70	400

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**  
**ADDRESS**

**: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**  
Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/554/03  
Sample Ref No : 554/03

Date of Sampling : 20.02.2025  
Reporting Date : 05.04.2025

**Sampling Location**

**: Near Main Gate**

Sample Description

: Ambient Air Monitoring

Sample Drawn By /Date

: GEL/20.02.2025

Received On

: 20.02.2025

Analysis Commenced On

: 20.02.2025

Analysis Completed on

: 05.04.2025

Sampling Method

: IS 5182 (Part V) and ( Part XIV)

Sampling Time

: 8 Hrs

Ambient Temperature

: 38°C

Relative Humidity

: 59%

Sl. No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Lead (Pb)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1
2	Carbon Monoxide (CO) (1 Hour )	IS 5182 Part 10-1999 R.2009	mg/m <sup>3</sup>	BDL (DL=1.15)	4
3	Arsenic (As)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=1.0)	6
4	Nickel (Ni)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	20
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 Part 11-2012	µg / m <sup>3</sup>	BDL (DL=0.1)	5
6	Benzo (a) Pyrene	IS 5182 Part 12-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY** : TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.  
Sample Ref No : GEL/AS/555/03 Date of Sampling : 20.02.2025  
Sample Ref No : 555/03 Reporting Date : 05.04.2025  
**Sampling Location** : Near Flare Tower  
Sample Description : Ambient Air Monitoring  
Sample Drawn By /Date : GEL/20.02.2025  
Received On : 20.02.2025  
Analysis Commenced On : 20.02.2025  
Analysis Completed on : 05.04.2025  
Sampling Method : IS 5182 (Part V) and ( Part XIV)  
Sampling Time : 8 Hrs  
Ambient Temperature : 38°C  
Relative Humidity : 59%

Sl. No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24-2019	µg / m <sup>3</sup>	31.30	60
2	Respirable Particulate Matter ( PM <sub>10</sub> )	IS 5182 Part 23-2012	µg / m <sup>3</sup>	63.50	100
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part 2 -212	µg / m <sup>3</sup>	11.60	80
4	Nitrogen Dioxide ( NO <sub>2</sub> )	IS 5182 Part 6-2012	µg / m <sup>3</sup>	13.40	80
5	Ozone (O <sub>3</sub> )	IS 5182 Part 9-1974 R.2009	µg / m <sup>3</sup>	15.65	180
6	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25-2018	µg / m <sup>3</sup>	17.50	400

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**  
**ADDRESS**

**: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**

Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/555/03

Date of Sampling : 20.02.2025

Sample Ref No : 555/03

Reporting Date : 05.04.2025

**Sampling Location**

**: Near Flare Tower**

Sample Description

: Ambient Air Monitoring

Sample Drawn By /Date

: GEL/20.02.2025

Received On

: 20.02.2025

Analysis Commenced On

: 20.02.2025

Analysis Completed on

: 05.04.2025

Sampling Method

: IS 5182 (Part V) and ( Part XIV)

Sampling Time

: 8 Hrs

Ambient Temperature

: 38°C

Relative Humidity

: 59%

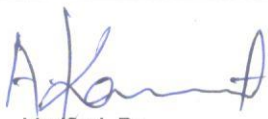
Sl.No	PARAMETERS	PROTOCOL	UNIT	RESULT	NAAQS*
1	Lead (Pb)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1
2	Carbon Monoxide (CO) (1 Hour )	IS 5182 Part 10-1999 R.2009	mg/m <sup>3</sup>	BDL (DL=1.15)	4
3	Arsenic (As)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=1.0)	6
4	Nickel (Ni)	IS 5182 Part 22-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	20
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 Part 11-2012	µg / m <sup>3</sup>	BDL (DL=0.1)	5
6	Benzo (a) Pyrene	IS 5182 Part 12-2009	µg / m <sup>3</sup>	BDL (DL=0.1)	1

BDL – Below Detectable Limit ; DL – Detection Limit

Remarks: The above results meet the \*National Ambient Air Quality Standards –CPCB

**End of Report**

for **GREENEX ENVIRO LABORATORY PVT LTD**



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY** : TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.  
Sample Ref No : GEL/AS/555/03 Date Of Sampling : 20.02.2025  
Sample Rep No : 555/03 Reporting Date : 05.04.2025  
SAMPLED ON : 20.02.2025  
STACK IDENTIFICATION NO : Boiler Chimney  
PITOT TUBE CONSTANT : 0.1951  
AMBIENT TEMPERATURE : 38° C  
GAS VOLUME SAMPLED : 400 liters

SI.No	PARAMETERS	RESULT	UNIT	Limit as per Ministry Of Environment and Forests Notification, 09.06.2002 (MOEF) (mg/Nm <sup>3</sup> )	Limit as per TNPCB	PROTOCOL
1	Flue Gas Temperature	188	°C	-	-	IS:11255
2	Flue Gas Pressure	3.60	mm Hg	-	-	IS:11255
3	Flue Gas Velocity	7.50	m / s	-	-	IS:11255
4	Volume of Gas Discharged	11530	Nm <sup>3</sup> / hr	-	-	IS:11255
5	Particulate Matter (PM)	6.40	mg / Nm <sup>3</sup>	10(MAX)	-	IS:11255
6	Sulphur- di- oxide (SO <sub>2</sub> )	14.50	mg / Nm <sup>3</sup>	50(MAX)	-	IS:11255
7	Nitrogen Dioxide ( NO <sub>2</sub> )*	48.0	mg / Nm <sup>3</sup>	350(MAX)	-	IS:11255
8	Carbon – di - oxide (CO <sub>2</sub> )	2.40	%	-	-	IS:13270
9	Carbon Monoxide (CO)	41.80	mg / Nm <sup>3</sup>	150 (MAX)	-	IS:13270
10	Oxygen (O <sub>2</sub> )	1.85	%	-	-	IS:13270

**Report Opinion:** The above results meets the MOEF notification.

There is no limit for stack emission as per TNPCB Standards.

End of Report

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**

**TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**

**ADDRESS**

Manali Express Highway,

Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/555/03

Date Of Sampling : 20.02.2025

Sample Rep No : 555/03

Reporting Date : 05.04.2025

SAMPLED ON

: 20.02.2025

STACK IDENTIFICATION NO

: **Boiler Chimney**

PITOT TUBE CONSTANT

: 0.1951




AMBIENT TEMPERATURE

: 38° C

GAS VOLUME SAMPLED

: 400 liters

Discipline- Chemical

Sl. No	PARAMETERS	RESULT	UNIT	PROTOCOL
1	Non Methane Hydrocarbons	BDL(DL:0.2)	Mg/Nm <sup>3</sup>	SOP-GEL-009:2024
2	Hydrocarbons	BDL(DL:0.1)	Mg/Nm <sup>3</sup>	SOP-GEL-010:2024
3	Olefins	BDL(DL:0.1)	µg/Nm <sup>3</sup>	SOP-GEL-11:2024
End of Report for GREENEX ENVIRO LABORATORY PVT LTD				
 Verified By A.Kaviyarasi- Technical Manager				 Authorized By K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY**  
**ADDRESS**

**: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**  
Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/555/03

Date Of Sampling : 20.02.2025

Sample Rep No : 555/03

Reporting Date : 05.04.2025

SAMPLED ON

: 20.02.2025

STACK IDENTIFICATION NO

: **Boiler Chimney Stack-VOC**

PITOT TUBE CONSTANT

: 0.1951

AMBIENT TEMPERATURE

: 38° C

GAS VOLUME SAMPLED

: 400 liters

Sl.No	PARAMETERS	UNIT	Result	Test Method
1	Ethylene Oxide	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
2	Vinyl Chloride Monomer	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
3	Ethylene Di-Chloride	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
4	Acrylonitrile	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
5	Propylene Oxide	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024

BDL – Below Detectable Limit ; DL – Detection Limit

*A. Kaviyarasi*

for GREENEX ENVIRO LABORATORY PVT LTD

Verified By  
A.Kaviyarasi- Technical Manager



*K P Periaswami*

Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT**

**NAME OF INDUSTRY** : TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.  
Sample Ref No : GEL/AS/556/03 Date Of Sampling : 20.02.2025  
Sample Rep No : 556/03 Reporting Date : 05.04.2025  
SAMPLED ON : 20.02.2025  
STACK IDENTIFICATION NO : DG Stack- 1250KVA  
PITOT TUBE CONSTANT : 0.1951  
AMBIENT TEMPERATURE : 38° C  
GAS VOLUME SAMPLED : 400 liters

SI.No	PARAMETERS	RESULT	UNIT	Limit as per Ministry Of Environment and Forests Notification, 09.06.2002 (MOEF) (mg/Nm <sup>3</sup> )	Limit as per TNPCCB	PROTOCOL
1	Flue Gas Temperature	159	°C	-	-	IS:11255
2	Flue Gas Pressure	7.60	mm Hg	-	-	IS:11255
3	Flue Gas Velocity	11.60	m / s	-	-	IS:11255
4	Volume of Gas Discharged	3560	Nm <sup>3</sup> / hr	-	-	IS:11255
5	Particulate Matter (PM)	26.0	mg / Nm <sup>3</sup>	50(max)	-	IS:11255
6	Sulphur- di- oxide (SO <sub>2</sub> )	11.60	mg / Nm <sup>3</sup>	-	-	IS:11255
7	Nitrogen Dioxide ( NO <sub>2</sub> )	59.0	mg / Nm <sup>3</sup>	650 (max)	-	IS:11255
8	Carbon – di - oxide (CO <sub>2</sub> )	1.70	%	-	-	IS:13270
9	Carbon Monoxide (CO)	54.47	mg / Nm <sup>3</sup>	100 (max)	-	IS:13270
10	Oxygen (O <sub>2</sub> )	13.0	%	-	-	IS:13270

BDL – Below Detectable Limit ; DL – Detection Limit

**Report Opinion:** The above results meets the MOEF notification.

There is no limit for stack emission as per TNPCCB Standards.

End of Report

for GREENEX ENVIRO LABORATORY PVT LTD

Verified By  
A.Kaviyarasi- Technical Manager

CHENNAI  
600 043

Authorized By  
K P Periaswami – Head of the Laboratory

NOTE:

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**TEST REPORT**

**NAME OF INDUSTRY**  
**ADDRESS**

Manali, Chennai - 600 068.  
Sample Ref No : GEL/AS/556/03  
Sample Rep No : 556/03  
SAMPLED ON  
STACK IDENTIFICATION NO  
PITOT TUBE CONSTANT  
AMBIENT TEMPERATURE  
GAS VOLUME SAMPLED

**TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)**  
Manali Express Highway,

Date Of Sampling : 20.02.2025  
Reporting Date : 05.04.2025  
: 20.02.2025  
: **DG Stack- 1250KVA**  
: 0.1951  
: 38° C  
: 400 liters

Discipline- Chemical

Sl.No	PARAMETERS	RESULT	UNIT	PROTOCOL
1	Non Methane Hydrocarbons	BDL(DL:0.2)	Mg/Nm <sup>3</sup>	SOP-GEL-009:2024
2	Hydrocarbons	BDL(DL:0.1)	Mg/Nm <sup>3</sup>	SOP-GEL-010:2024
3	Olefins	BDL(DL:0.1)	µg/Nm <sup>3</sup>	SOP-GEL-011:2024

End of Report

for **GREENEX ENVIRO LABORATORY PVT LTD**



*A. Kaviyarasi*  
Verified By

A.Kaviyarasi- Technical Manager

*K P Periaswami*  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

NAME OF INDUSTRY  
ADDRESS

TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)  
Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/557/03

Date Of Sampling : 20.02.2025

Sample Rep No : 557/03

Reporting Date : 05.04.2025

SAMPLED ON

: 20.02.2025

STACK IDENTIFICATION NO

: CI Scrubber Stack

PITOT TUBE CONSTANT

: 0.1951

AMBIENT TEMPERATURE

: 38° C

GAS VOLUME SAMPLED

: 400 liters

Sl.No	PARAMETERS	UNIT	Result	Test Method
1	Chlorine	Mg/Nm <sup>3</sup>	1.50	SOP-GEL-014:2024

BDL – Below Detectable Limit ; DL – Detection Limit

End of Report

for GREENEX ENVIRO LABORATORY PVT LTD

*A. Kaviyarasi*

Verified By

A.Kaviyarasi- Technical Manager



*K P Periaswami*

Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

NAME OF INDUSTRY  
ADDRESS

: TAMILNADU PETROPRODUCTS LIMITED(PO-ECH PLANT)

Manali Express Highway,  
Manali, Chennai - 600 068.

Sample Ref No : GEL/AS/557/03

Date Of Sampling : 20.02.2025

Sample Rep No : 557/03

Reporting Date : 05.04.2025

SAMPLED ON

: 20.02.2025

STACK IDENTIFICATION NO

: CI Scrubber Stack-VOC

PITOT TUBE CONSTANT

: 0.1951

AMBIENT TEMPERATURE

: 38° C

GAS VOLUME SAMPLED

: 400 liters

Sl.No	PARAMETERS	UNIT	Result	Test Method
1	Ethylene Oxide	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
2	Vinyl Chloride Monomer	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
3	Ethylene Di-Chloride	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
4	Acrylonitrile	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024
5	Propylene Oxide	Ppm	BDL(DL:0.01)	SOP-GEL-024:2024

BDL – Below Detectable Limit ; DL – Detection Limit

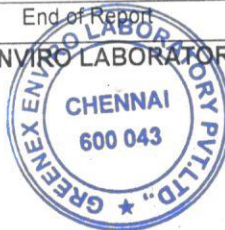
End of Report

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

Sample Ref No. : GEL/W/558/03

Report No. : 558/03

**CUSTOMER NAME** : TAMILNADU PETROPRODUCTS LIMITED  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.

Report Date : 05.04.2025

Page: 1 of 5

Sample Description : Effluent Water  
Sample Drawn By /Date : GEL/20.02.2025  
Customer's Reference : Letter dated on 20.02.2025  
Sample Mark : ETP- Inlet

Received On : 20.02.2025

Commenced On : 20.02.2025

Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
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Discipline: Chemical

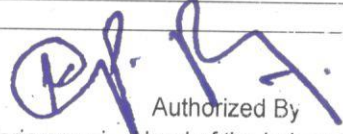
**Pesticides**

1	Alachlor	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
2	Aldrin	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
3	Alpha BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
4	Atrazine	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
5	Beta BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
6	Butachlor	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
7	Chloropyrifos	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
8	Delta BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
9	Dieldrin	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
10	Deltamethrin	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
11	Endosulfan alpha	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
12	Endosulfan Beta	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024

  
Verified By  
A.Kaviyarasi- Technical Manager

for GREENEX ENVIRO LABORATORY PVT LTD



  
Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/558/03

Report No :558/03

Report Date:05.04.2025

Page of 2 of 5

Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
13	Endosulfan Sulfate	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
14	Ethion	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
15	Gamma BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
16	Malathion	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
17	o,p'-DDD	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
18	o,p'-DDE	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
19	o,p'-DDT	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
20	p,p'-DDD	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
21	p,p'-DDE	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
22	p,p'-DDT	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
23	Parathion-methyl	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
24	Phorate	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024

End of Page 2

for GREENEX ENVIRO LABORATORY PVT LTD

*A. Kaviyarasi*

Verified By

A.Kaviyarasi- Technical Manager



*K P Periaswami*

Authorized By

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/558/03

Report No :558/03

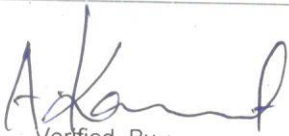
Report Date:05.04.2025

Page of 3 of 5

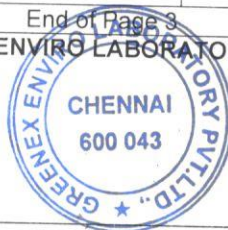
Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
25	2,4-D	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
26	Isoproturon	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
27	Malaoxon	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
28	Methyl Paraoxon	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
29	Methyl Parathion	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
30	Monocrotophos	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
31	Phorate Sulfone	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
32	Phorate Sulfoxide	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
33	Arsenic	mg/l	BDL (DL:0.005)	USEPA 200.8 Revision 5.4:1994
34	Cadmium	mg/l	BDL (DL:0.01)	USEPA 200.8 Revision 5.4:1994
35	Chromium	mg/l	0.60	USEPA 200.8 Revision 5.4:1994
36	Copper	mg/l	1.15	USEPA 200.8 Revision 5.4:1994

End of Page 3

for GREENEX ENVIRO LABORATORY PVT LTD

  
Verified By

A.Kaviyarasi- Technical Manager



  
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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GELW/558/03

Report No :558/03

Report Date:05.04.2025

Page of 4 of 5

Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
37	Nickel	mg/l	BDL (DL:0.1)	USEPA 200.8 Revision 5.4:1994
38	Selenium	mg/l	BDL (DL:0.005)	USEPA 200.8 Revision 5.4:1994
39	Zinc	mg/l	BDL (DL:0.1)	USEPA 200.8 Revision 5.4:1994
40	Ammonia as NH <sub>3</sub>	mg/l	1.30	IS:3025 P.34 1988 R.2009
41	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	6.0	IS:3025 P.34 1988 R.2009
42	Bio-Chemical Oxygen Demand (BOD) 3 days @ 27°C	mg/l	175	IS: 3025 P. 44 1993 R. 2009
43	Boron as B	mg/l	0.85	IS: 3025 P. 57 2021
44	Sodium as Na	mg/l	560	IS 3025 P.45 1993
45	Chemical Oxygen Demand(COD)	mg/l	1500	IS 3025 P.58. 2006
46	Chloride as Cl <sup>-</sup>	mg/l	25000	IS 3025 P.32. 1988
47	Cyanide as CN	mg/l	BDL (DL:0.01)	IS 3025 P.27. 1986
48	Fluorides as F	mg/l	0.60	APHA 24 <sup>th</sup> Edn :2023 4500 D F

End of Page 4

for GREENEX ENVIRO LABORATORY PVT LTD

  
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A.Kaviyarasi- Technical Manager



  
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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/558/03

Report No :558/03


Report Date:05.04.2025

Page of 5 of 5

Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
49	Free Residual Chlorine	mg/l	BDL(DL:0.2)	IS 3025 P.26 2021
50	Hexavalent Chromium as Cr6+	mg/l	BDL (DL:0.0001)	IS 3025 P.52 2003
51	Oil and grease	mg/l	8.0	IS 3025 P.39 2021
52	pH value @25°C	mg/l	11.68	IS:3025: P.11:2022
53	Phenolic Compound	mg/l	BDL(DL:0.2)	IS 3025:P.43:1992
54	Dissolved Phosphate as P	mg/l	0.80	APHA 24 <sup>th</sup> Edn :2023 4500 P-B,D
55	Residual Sodium Carbonate	mEq/L	Nil	IS: 11624 1986
56	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/l	300	IS 3025 P.24 1986
57	Sulphide as S <sub>2</sub> <sup>2-</sup>	mg/l	Nil	IS 3025 P.29 1986
58	Temperature	°C	27.0	IS 3025 P.09 1984
59	Total dissolved solids @ 180°C	mg/l	46,080	IS 3025 P.16 1984
60	Total Kjeldahl Nitrogen as N	mg/l	120	IS:3025 P.34 1988 R.2009
61	Total suspended Solids @105°C	mg/l	1010	IS 3025 P.17 1984

End of Page 5

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By  
A.Kaviyarasi- Technical Manager





Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT**

Sample Ref No. : GEL/W/559/03

Report No. : 559/03

**CUSTOMER NAME** : TAMILNADU PETROPRODUCTS LIMITED  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.

Report Date : 05.04.2025  
Page: 1 of 5

Sample Description : Effluent Water  
Sample Drawn By /Date : GEL/20.02.2025  
Customer's Reference : Letter dated on 20.02.2025  
Sample Mark : ETP - Outlet

Received On : 20.02.2025  
Commenced On : 20.02.2025  
Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
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Discipline: Chemical

**Pesticides**

1	Alachlor	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
2	Aldrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
3	Alpha BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
4	Atrazine	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
5	Beta BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
6	Butachlor	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
7	Chloropyrifos	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
8	Delta BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
9	Dieldrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
10	Deltamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
11	Endosulfan alpha	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
12	Endosulfan Beta	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024

End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD

*A. Kaviarasi*

Verified By

A.Kaviarasi- Technical Manager



*K P Periaswami*

Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/559/03

Report No :559/03  
Report Date:05.04.2025  
Page of 5 of 5

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
13	Endosulfan Sulfate	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
14	Ethion	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
15	Gamma BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
16	Malathion	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
17	o,p'-DDD	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
18	o,p'-DDE	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
19	o,p'-DDT	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
20	p,p'-DDD	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
21	p,p'-DDE	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
22	p,p'-DDT	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
23	Parathion-methyl	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
24	Phorate	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024

for GREENEX ENVIRO LABORATORY PVT LTD

*A. Kaviyarasi*  
Verified By  
A.Kaviyarasi- Technical Manager



*K P Periaswami*  
Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/559/03

Report No :559/03

Report Date:05.04.2025

Page of 3 of 5

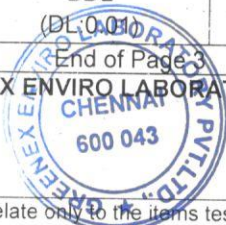
Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
25	2,4-D	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
26	Isoproturon	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
27	Malaoxon	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
28	Methyl Paraoxon	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
29	Methyl Parathion	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
30	Monocrotophos	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
31	Phorate Sulfone	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
32	Phorate Sulfoxide	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
33	Arsenic	mg/l	BDL (DL:0.005)	0.2	USEPA 200.8 Revision 5.4:1994
34	Cadmium	mg/l	BDL (DL:0.01)	2.0	USEPA 200.8 Revision 5.4:1994
35	Chromium	mg/l	BDL (DL:0.1)	2.0	USEPA 200.8 Revision 5.4:1994
36	Copper	mg/l	BDL (DL:0.01)	3.0	USEPA 200.8 Revision 5.4:1994

End of Page 3

for **GREENEX ENVIRO LABORATORY PVT LTD**

*A. Kaviyarasi*  
Verified By

A.Kaviyarasi- Technical Manager



*K P Periaswami*  
Authorized By

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/559/03

Report No :559/03

Report Date:05.04.2025

Page of 4 of 5

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
37	Nickel	mg/l	BDL (DL:0.1)	3.0	USEPA 200.8 Revision 5.4:1994
38	Selenium	mg/l	BDL (DL:0.01)	0.05	USEPA 200.8 Revision 5.4:1994
39	Zinc	mg/l	BDL (DL:0.1)	1.0	USEPA 200.8 Revision 5.4:1994
40	Ammonia as NH <sub>3</sub>	mg/l	0.30	5.0	IS:3025 P.34 1988 R.2009
41	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	18.0	50	IS:3025 P.34 1988 R 2009
42	Bio-Chemical Oxygen Demand (BOD) 3 days @ 27°C	mg/l	7.0	30	IS: 3025 P. 44 1993 R. 2009
43	Boron as B	mg/l	0.40	2	IS: 3025 P. 57 2021
44	Sodium as Na	mg/l	238	-	IS 3025 P.45 1993
45	Chemical Oxygen Demand(COD)	mg/l	110	250	IS 3025 P.58. 2006
46	Chloride as Cl <sup>-</sup>	mg/l	5820	-	IS 3025 P.32. 1988
47	Cyanide as CN	mg/l	BDL (DL:0.01)	0.2	IS 3025 P.27. 1986
48	Fluorides as F	mg/l	0.20	15.0	APHA 24 <sup>th</sup> Edn. 2023 4500 DF

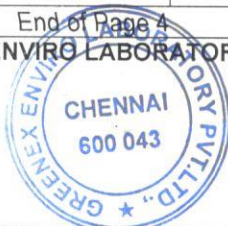
End of Page 4

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GELW/559/03

Report No :559/03

Report Date:05.04.2025

Page of 5 of 5

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
49	Free Residual Chlorine	mg/l	BDL(DL:0.01)	1	IS 3025 P.26 2021
50	Hexavalent Chromium as Cr6+	mg/l	BDL (DL:0.05)	0.1	IS 3025 P.52 2003
51	Oil and grease	mg/l	BDL(DL:4.0)	10	IS 3025 P.39 2021
52	pH value @25°C	mg/l	6.85	6.50 to 8.50	IS:3025: P.11:2022
53	Phenolic Compound	mg/l	BDL(DL:0.01)	1.0	IS 3025:P.43:1992
54	Dissolved Phosphate as P	mg/l	Nil	5.0	APHA 24 <sup>th</sup> Edn :2023 4500 P-B,D
55	Residual Sodium Carbonate	mEq/L	Nil	-	IS: 11624 1986
56	Sulphate as SO <sub>4</sub> <sup>-</sup>	mg/l	1580	-	IS 3025 P.24 1986
57	Sulphide as S <sub>2</sub> <sup>-</sup>	mg/l	Nil	2.0	IS 3025 P.29 1986
58	Temperature	°C	27.0	40° C at the point of discharge	IS 3025 P.09 1984
59	Total dissolved solids @ 180°C	mg/l	23,100	-	IS 3025 P.16 1984
60	Total Kjeldahl Nitrogen as N	mg/l	85.0	100	IS:3025 P.34 1988 R.2009
61	Total suspended Solids @105°C	mg/l	24.0	100	IS 3025 P.17 1984

End of Page 5

for GREENEX ENVIRO LABORATORY PVT LTD

Verified By  
A.Kaviyarasi- Technical Manager



Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT**

Sample Ref No. : GEL/W/559/03

Report No. : 559/03

**CUSTOMER NAME** : TAMILNADU PETROPRODUCTS LIMITED  
**ADDRESS** : Manali Express Highway,  
Manali, Chennai - 600 068.

Report Date : 05.04.2025  
Page: 1 of 5

Sample Description : Effluent Water  
Sample Drawn By /Date : GEL/20.02.2025  
Customer's Reference : Letter dated on 20.02.2025  
Sample Mark : ETP - Outlet

Received On : 20.02.2025  
Commenced On : 20.02.2025  
Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
Discipline: Chemical					
Pesticides					
1	Alphamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
2	Cypermethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
3	Deltamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
4	Permethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
5	Mercury	mg/l	BDL (DL:0.01)	0.01	USEPA 200.08 REV 1994
6	Lead	mg/l	BDL (DL:0.1)	0.1	USEPA 200.08 REV 1994
7	Alpha Emitters	Microcurie/ ml	BDL (DL:0.000000001)	0.0000001	IS 14194(Part 2) 1994
8	Beta Emitters	Microcurie/ ml	BDL (DL:0.000000001)	0.0000001	IS 14194(Part 1) 1994

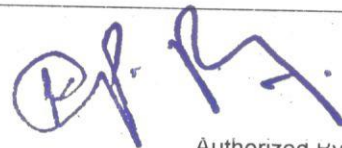
End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD

  
Verified By

A. Kaviyarasi- Technical Manager





Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT**

Sample Ref No. : GEL/W/560/03			Report No. : 560/03		
NAME OF INDUSTRY : TAMILNADU PETROPRODUCTS LIMITED			Report Date : 05.04.2025		
ADDRESS : Manali Express Highway, Manali Chennai-600068			Page: 1 of 3		
Sample Description : Water			Received On : 20.02.2025		
Sample Drawn By/ Date : GEL/20.02.2025			Commenced On : 20.02.2025		
Customer's Reference : Letter Dated on 20.02.2025			Completed On : 05.04.2025		
Sample Mark : Test Bore Water -1					
Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
1	Color ( Hazen Unit )	10.0	5	15	APHA 24 <sup>th</sup> Edn :2023 2120 B
2	Odour	Disagreeable	Agreeable	Agreeable	IS 3025 P.5 1983 R.2012
3	pH value @ 25°C	6.94	6.5-8.5	No relaxation	APHA 24 <sup>th</sup> Edn :2023 4500 H <sup>+</sup> B
4	Dissolved Oxygen	5.80	NA	NA	IS 3025 P-38:1989
5	Turbidity (NTU)	12.0	1.0	5.0	IS 3025 (Part 10) : 1984
6	Total Dissolved Solids (mg/l)	1880	500	2000	IS 3025:P.16:1984:R.2012
7	Total Suspended Solids	98.0			IS:3025: P.17:1984:R.2012
8	Electrical Conductivity at 25°C	2650	NA	NA	IS 3025 P-14:2013
9	Aluminium as Al(mg/l)	BDL(DL : 0.1)	0.03	0.2	APHA 24 <sup>th</sup> Edn :2023 3500-AI B
10	Fluoride as F (mg/l)	0.35	1.0	1.5	APHA 24 <sup>th</sup> Edn :2023 4500-F D
11	BOD at 27°C for 3 days (mg/l)	3.0	NA	NA	IS: 3025 P. 44 1993 R. 2009
12	COD (mg/l)	28.0	NA	NA	APHA 24 <sup>th</sup> Edn :2023 5220 B
13	Sodium as Na (mg/l)	640	NA	NA	IS 3025 P-45 :1993

End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD

*A.Kaviyarasi*  
Verified By

A.Kaviyarasi- Technical Manager



*K P Periaswami*  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. :GEL/W/560/03			Report No. :560/03 Report Date :05.04.2025 Page : 2 of 4		
Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
14	Sulphates as SO <sub>4</sub> (mg/l)	410	200	400	APHA 24 <sup>th</sup> Edn :2023 4500 SO <sub>4</sub> E
15	Temperature °C	27.0	NA	NA	IS 3025 P.09 1984
16	Chlorides as Cl(mg/l)	780	250	1000	APHA 24 <sup>th</sup> Edn :202 4500 Cl <sup>-</sup> B
17	Total Alkalinity as CaCO <sub>3</sub> (mg/l)	435	200	600	APHA 24 <sup>th</sup> Edn :2023 2320B
18	Total Hardness as CaCO <sub>3</sub> (mg/l)	440	200	600	APHA 24 <sup>th</sup> Edn :2023 2340 C
19	Free Residual Chlorine (mg/l)	<0.2	0.2	1.0	APHA 24 <sup>th</sup> Edn :2023 4500 Cl B
20	Total Iron as Fe(mg/l)	1.40	1.0	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Fe B
21	Magnesium as Mg (mg/l)	88.0	30.0	100	APHA 24 <sup>th</sup> Edn :2023 2340 C
22	Calcium as Ca (mg/l)	328	75.0	150	APHA 24 <sup>th</sup> Edn :2023 3500 - Ca B
23	Nitrate as NO <sub>3</sub> (mg/l)	38.0	45.0	No Relaxation	IS 3025 P.34 1988 R.2009
24	Total Chromium as Cr( mg/l)-	0.90	0.05	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Cr

BDL=Below Detectable Limit DL= Detection limit

End of Page 2

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By  
A.Kaviyarasi- Technical Manager





Authorized By  
K P Periaswami – Head of the Laboratory

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**TEST REPORT - ADDITIONAL SHEET**

Sample Ref No. :GEL/W/560/03

Report No. :560/03

Report Date :05.04.2025

Page : 3 of 4

Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
25	Salinity	2506	NA	NA	APHA 24 <sup>th</sup> Edn :2023 2520 B
26	Taste	Agreeable	Agreeable	Agreeable	IS3025 P-8:1 984
27	Mercury as Hg (mg/l)	BDL (DL=0.001)	0.001	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-Hg
28	Copper as Cu (mg/l)	0.02	0.05	1.5	APHA 24 <sup>th</sup> Edn :2023 3500-Cu B
29	Zinc as Zn (mg/l)	BDL (DL=0.01)	5.0	15.0	APHA 24 <sup>th</sup> Edn :2023 3500-Zn B
30	Total Arsenic as As (mg/l)	BDL (DL=0.01)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-As
31	Manganese as Mn(mg/l)	BDL(DL : 0.01)	0.1	0.30	APHA 24 <sup>th</sup> Edn :2023 3500-Mn B
32	Lead as Pb (mg/l)	BDL (DL=0.005)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Pb B
33	Silver as Ag(mg/l)	BDL (DL=0.01)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Ag
34	Cadmium as Cd (mg/l)	BDL (DL=0.001)	0.003	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-Cd

**MICROBIOLOGICAL EXAMINATION**

Sl. No	PARAMETERS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	TEST METHOD
35	Total Coliforms (MPN / 100ml)	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
36	E.coli (MPN / 100ml)	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012

End of Page 3

for GREENEX ENVIRO LABORATORY PVT LTD

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

Sample Ref No. : GEL/W/561/03			Report No. : 561/03		
NAME OF INDUSTRY : TAMILNADU PETROPRODUCTS LIMITED ADDRESS : Manali Express Highway, Manali Chennai-600068			Report Date : 05.04.2025 Page: 1 of 3		
Sample Description : Water Sample Drawn By/ Date : GEL/20.02.2025 Customer's Reference : Letter Dated on 20.02.2025 Sample Mark : Test Bore Water -2			Received On : 20.02.2025 Commenced On : 20.02.2025 Completed On : 05.04.2025		
Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
1	Color ( Hazen Unit )	5.0	5	15	APHA 24 <sup>th</sup> Edn :2023 2120 B
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983 R.2012
3	pH value @ 25°C	7.52	6.5-8.5	No relaxation	APHA 24 <sup>th</sup> Edn :2023 4500 H <sup>+</sup> B
4	Dissolved Oxygen	6.90	NA	NA	IS 3025 P-38:1989
5	Turbidity (NTU)	1.0	1.0	5.0	IS 3025 (Part 10) : 1984
6	Total Dissolved Solids (mg/l)	940	500	2000	IS 3025:P.16:1984:R.2012
7	Total Suspended Solids	2.0	-	-	IS:3025: P.17:1984:R.2012
8	Electrical Conductivity at 25°C	1603	NA	NA	IS 3025 P-14:2013
9	Aluminium as Al(mg/l)	BDL (DL=0.01)	0.03	0.2	APHA 24 <sup>th</sup> Edn :2023 3500-AI B
10	Fluoride as F (mg/l)	0.80	1.0	1.5	APHA 24 <sup>th</sup> Edn :2023 4500-F D
11	BOD at 27°C for 3 days (mg/l)	BDL(DL : 2.0)	NA	NA	IS: 3025 P. 44 1993 R. 2009
12	COD (mg/l)	NIL	NA	NA	APHA 24 <sup>th</sup> Edn :2023 5220 B
13	Sodium as Na (mg/l)	120	NA	NA	IS 3025 P-45 :1993

End of Page 1

for **GREENEX ENVIRO LABORATORY PVT LTD**

  
Verified By

A. Kaviyarasi- Technical Manager






  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. :GELW/561/03			Report No. :561/03 Report Date :05.04.2025 Page : 2 of 4		
Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
14	Sulphates as SO <sub>4</sub> (mg/l)	89.0	200	400	APHA 24 <sup>th</sup> Edn :2023 4500 SO <sub>4</sub> E
15	Temperature °C	27.0	NA	NA	IS 3025 P.09 1984
16	Chlorides as Cl(mg/l)	310	250	1000	APHA 24 <sup>th</sup> Edn :202 4500 Cl <sup>-</sup> B
17	Total Alkalinity as CaCO <sub>3</sub> (mg/l)	290	200	600	APHA 24 <sup>th</sup> Edn :2023 2320B
18	Total Hardness as CaCO <sub>3</sub> (mg/l)	300	200	600	APHA 24 <sup>th</sup> Edn :2023 2340 C
19	Free Residual Chlorine (mg/l)	<0.2	0.2	1.0	APHA 24 <sup>th</sup> Edn :2023 4500 Cl B
20	Total Iron as Fe(mg/l)	0.01	1.0	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Fe B
21	Magnesium as Mg (mg/l)	29.0	30.0	100	APHA 24 <sup>th</sup> Edn :2023 2340 C
22	Calcium as Ca (mg/l)	68.0	75.0	150	APHA 24 <sup>th</sup> Edn :2023 3500 - Ca B
23	Nitrate as NO <sub>3</sub> (mg/l)	BDL (DL=0.1)	45.0	No Relaxation	IS 3025 P.34 1988 R.2009
24	Total Chromium as Cr( mg/l)	BDL (DL=0.01)	0.05	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Cr
BDL=Below Detectable Limit					
End of Page 2					
for GREENEX ENVIRO LABORATORY PVT LTD					
 Verified By A.Kaviyarasi- Technical Manager				 Authorized By K P Periaswami – Head of the Laboratory	

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**TEST REPORT - ADDITIONAL SHEET**

Sample Ref No. :GEL/W/561/03

Report No. :561/03  
Report Date :05.04.2025  
Page : 3 of 4

Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
25	Salinity	511	NA	NA	APHA 24 <sup>th</sup> Edn :2023 2520 B
26	Taste	Agreeable	Agreeable	Agreeable	IS3025 P-8:1 984
27	Mercury as Hg (mg/l)	BDL (DL=0.001)	0.001	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-Hg
28	Copper as Cu (mg/l)	0.02	0.05	1.5	APHA 24 <sup>th</sup> Edn :2023 3500-Cu B
29	Zinc as Zn (mg/l)	BDL (DL=0.01)	5.0	15.0	APHA 24 <sup>th</sup> Edn :2023 3500-Zn B
30	Total Arsenic as As (mg/l)	BDL (DL=0.01)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-As
31	Manganese as Mn(mg/l)	BDL(DL : 0.01)	0.1	0.30	APHA 24 <sup>th</sup> Edn :2023 3500-Mn B
32	Lead as Pb (mg/l)	BDL (DL=0.005)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Pb B
33	Silver as Ag(mg/l)	BDL (DL=0.01)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Ag
34	Cadmium as Cd (mg/l)	BDL (DL=0.001)	0.003	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-Cd

**MICROBIOLOGICAL EXAMINATION**


Sl. No	PARAMETERS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	TEST METHOD
35	Total Coliforms (MPN / 100ml)	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
36	E.coli (MPN / 100ml)	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012

End of Page 3

for GREENEX ENVIRO LABORATORY PVT.LTD

  
Verified By  
A.Kaviyarasi- Technical Manager



  
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K P Periaswami – Head of the Laboratory

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**TEST REPORT**


Sample Ref No. : GEL/W/562/03			Report No. : 562/03		
NAME OF INDUSTRY : TAMILNADU PETROPRODUCTS LIMITED ADDRESS : Manali Express Highway, Manali Chennai-600068			Report Date : 05.04.2025 Page: 1 of 3		
Sample Description : Water Sample Drawn By/ Date : GEL/20.02.2025 Customer's Reference : Letter Dated on 20.02.2025 Sample Mark : Test Bore Water -2			Received On : 20.02.2025 Commenced On : 20.02.2025 Completed On : 05.04.2025		
Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
1	Color ( Hazen Unit )	<1.0	5	15	APHA 24 <sup>th</sup> Edn :2023 2120 B
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983 R.2012
3	pH value @ 25°C	7.10	6.5-8.5	No relaxation	APHA 24 <sup>th</sup> Edn :2023 4500 H <sup>+</sup> B
4	Dissolved Oxygen	8.50	NA	NA	IS 3025 P-38:1989
5	Turbidity (NTU)	<1.0	1.0	5.0	IS 3025 (Part 10) : 1984
6	Total Dissolved Solids (mg/l)	40.0	500	2000	IS 3025:P.16:1984:R.2012
7	Total Suspended Solids	<1.0	-	-	IS:3025: P.17:1984:R.2012
8	Electrical Conductivity at 25°C	80.0	NA	NA	IS 3025 P-14:2013
9	Aluminium as Al(mg/l)	BDL(DL=0.01)	0.03	0.2	APHA 24 <sup>th</sup> Edn :2023 3500-Al B
10	Fluoride as F (mg/l)	BDL(DL=0.1)	1.0	1.5	APHA 24 <sup>th</sup> Edn :2023 4500-F D
11	BOD at 27°C for 3 days (mg/l)	BDL(DL=2.0)	NA	NA	IS: 3025 P. 44 1993 R. 2009
12	COD (mg/l)	BDL(DL=1.0)	NA	NA	APHA 24 <sup>th</sup> Edn :2023 5220 B
13	Sodium as Na (mg/l)	2.0	NA	NA	IS 3025 P-45 :1993

End of Page 1

for **GREENEX ENVIRO LABORATORY PVT.LTD**

  
Verified By  
A.Kaviyarasi- Technical Manager



  
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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. : GEL/W/562/03

Report No. : 562/03

Report Date : 05.04.2025

Page : 2 of 4

Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
14	Sulphates as SO <sub>4</sub> (mg/l)	4.0	200	400	APHA 24 <sup>th</sup> Edn :2023 4500 SO <sub>4</sub> E
15	Temperature °C	27.0	NA	NA	IS 3025 P.09 1984
16	Chlorides as Cl(mg/l)	13.0	250	1000	APHA 24 <sup>th</sup> Edn :202 4500 Cl <sup>-</sup> B
17	Total Alkalinity as CaCO <sub>3</sub> (mg/l)	11.0	200	600	APHA 24 <sup>th</sup> Edn :2023 2320B
18	Total Hardness as CaCO <sub>3</sub> (mg/l)	10.0	200	600	APHA 24 <sup>th</sup> Edn :2023 2340 C
19	Free Residual Chlorine (mg/l)	BDL (DL=0.1)	0.2	1.0	APHA 24 <sup>th</sup> Edn :2023 4500 Cl B
20	Total Iron as Fe(mg/l)	BDL (DL=0.01)	1.0	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Fe B
21	Magnesium as Mg (mg/l)	0.96	30.0	100	APHA 24 <sup>th</sup> Edn :2023 2340 C
22	Calcium as Ca (mg/l)	2.40	75.0	150	APHA 24 <sup>th</sup> Edn :2023 3500 - Ca B
23	Nitrate as NO <sub>3</sub> (mg/l)	BDL (DL=0.1)	45.0	No Relaxation	IS 3025 P.34 1988 R.2009
24	Total Chromium as Cr( mg/l) -	BDL (DL=0.01)	0.05	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Cr

BDL=Below Detectable Limit

End of Page 2

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT - ADDITIONAL SHEET**

Sample Ref No. : GEL/W/562/03

Report No. : 562/03

Report Date : 05.04.2025

Page : 3 of 4

Sl. No	PARAMETERS	RESULTS	IS 10500:2012		TEST METHOD
			Acceptable Limits	Permissible Limits	
25	Salinity	21.0	NA	NA	APHA 24 <sup>th</sup> Edn :2023 2520 B
26	Taste	Agreeable	Agreeable	Agreeable	IS3025 P-8:1 984
27	Mercury as Hg (mg/l)	BDL (DL=0.001)	0.001	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-Hg
28	Copper as Cu (mg/l)	BDL(DL=0.01)	0.05	1.5	APHA 24 <sup>th</sup> Edn :2023 3500-Cu B
29	Zinc as Zn (mg/l)	BDL (DL=0.01)	5.0	15.0	APHA 24 <sup>th</sup> Edn :2023 3500-Zn B
30	Total Arsenic as As (mg/l)	BDL (DL=0.01)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-As
31	Manganese as Mn(mg/l)	BDL(DL : 0.01)	0.1	0.30	APHA 24 <sup>th</sup> Edn :2023 3500-Mn B
32	Lead as Pb (mg/l)	BDL (DL=0.005)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Pb B
33	Silver as Ag(mg/l)	BDL (DL=0.01)	0.01	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500 Ag
34	Cadmium as Cd (mg/l)	BDL (DL=0.001)	0.003	No Relaxation	APHA 24 <sup>th</sup> Edn :2023 3500-Cd

**MICROBIOLOGICAL EXAMINATION**

Sl. No	PARAMETERS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	TEST METHOD
35	Total Coliforms (MPN / 100ml)	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
36	E.coli (MPN / 100ml)	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012

End of Page 3

for **GREENEX ENVIRO LABORATORY PVT LTD**

  
Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

- NOTE;
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**TEST REPORT**

Sample Ref No. : GEL/W/563/03	Report No. : 563/03
<b>CUSTOMER NAME</b> : TAMILNADU PETROPRODUCTS LIMITED <b>ADDRESS</b> : Manali Express Highway, Manali, Chennai - 600 068.	Report Date : 05.04.2025 Page: 1 of 5
Sample Description : Effluent Water Sample Drawn By /Date : GEL/20.02.2025 Customer's Reference : Letter dated on 20.02.2025 Sample Mark : STP- Inlet	Received On : 20.02.2025 Commenced On : 20.02.2025 Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
Discipline: Chemical				
Pesticides				
1	Alachlor	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
2	Aldrin	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
3	Alpha BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
4	Atrazine	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
5	Beta BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
6	Butachlor	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
7	Chloropyrifos	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
8	Delta BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
9	Dieldrin	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
10	Deltamethrin	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
11	Endosulfan alpha	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
12	Endosulfan Beta	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024

End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

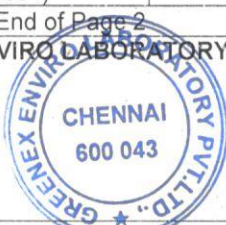
Sample Ref No: GEL/W/563/03				Report No :563/03 Report Date:05.04.2025 Page of 2 of 5
Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
13	Endosulfan Sulfate	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
14	Ethion	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
15	Gamma BHC	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
16	Malathion	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
17	o,p'-DDD	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
18	o,p'-DDE	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
19	o,p'-DDT	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
20	p,p'-DDD	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
21	p,p'-DDE	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
22	p,p'-DDT	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
23	Parathion-methyl	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
24	Phorate	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024

End of Page 2

for **GREENEX ENVIRO LABORATORY PVT LTD**

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GELW/563/03				Report No :563/03 Report Date:05.04.2025 Page of 3 of 5
Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
25	2,4-D	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
26	Isoproturon	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
27	Malaoxon	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
28	Methyl Paraoxon	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
29	Methyl Parathion	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
30	Monocrotophos	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
31	Phorate Sulfone	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
32	Phorate Sulfoxide	mg/l	BDL (DL:0.0001)	SOP/GEL/ 012/2024
33	Arsenic	mg/l	BDL (DL:0.005)	USEPA 200.8 Revision 5.4:1994
34	Cadmium	mg/l	BDL (DL:0.01)	USEPA 200.8 Revision 5.4:1994
35	Chromium	mg/l	BDL (DL:0.0001)	USEPA 200.8 Revision 5.4:1994
36	Copper	mg/l	BDL (DL:0.01)	USEPA 200.8 Revision 5.4:1994

End of Page 3

for **GREENEX ENVIRO LABORATORY PVT LTD**

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami – Head of the Laboratory

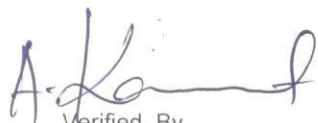
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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/563/03				Report No :563/03 Report Date:05.04.2025 Page of 4 of 5
Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
37	Nickel	mg/l	BDL (DL:0.1)	USEPA 200.8 Revision 5.4:1994
38	Selenium	mg/l	BDL (DL:0.005)	USEPA 200.8 Revision 5.4:1994
39	Zinc	mg/l	BDL (DL:0.1)	USEPA 200.8 Revision 5.4:1994
40	Ammonia as NH <sub>3</sub>	mg/l	1.50	IS:3025 P.34 1988 R.2009
41	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	58.0	IS:3025 P.34 1988 R.2009
42	Bio-Chemical Oxygen Demand (BOD) 3 days @ 27°C	mg/l	285	IS: 3025 P. 44 1993 R. 2009
43	Boron as B	mg/l	BDL (DL:0.1))	IS: 3025 P. 57 2021
44	Sodium as Na	mg/l	180	IS 3025 P.45 1993
45	Chemical Oxygen Demand(COD)	mg/l	290	IS 3025 P.58. 2006
46	Chloride as Cl <sup>-</sup>	mg/l	490	IS 3025 P.32. 1988
47	Cyanide as CN	mg/l	BDL (DL:0.01)	IS 3025 P.27. 1986
48	Fluorides as F	mg/l	1.40	APHA 24 <sup>th</sup> Edn :2023 4500 D'F

End of Page 4

for GREENEX ENVIRO LABORATORY PVT LTD

  
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K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

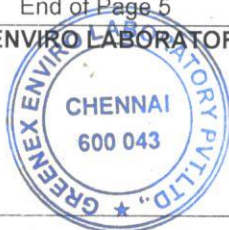
Sample Ref No: GEL/W/563/03			Report No :563/03 Report Date:05.04.2025 Page of 5 of 5	
Sl. No	PARAMETERS	Unit	RESULTS	TEST METHOD
49	Free Residual Chlorine	mg/l	BDL (DL:0.0001)	IS 3025 P.26 2021
50	Hexavalent Chromium as Cr6+	mg/l	BDL (DL:0.005)	IS 3025 P.52 2003
51	Oil and grease	mg/l	20.0	IS 3025 P.39 2021
52	pH value @25°C	mg/l	7.06	IS:3025: P.11:2022
53	Phenolic Compound	mg/l	BDL(DL:0.01)	IS 3025:P.43:1992
54	Dissolved Phosphate as P	mg/l	1.20	APHA 24 <sup>th</sup> Edn :2023 4500 P-B,D
55	Residual Sodium Carbonate	mEq/L	Nil	IS: 11624 1986
56	Sulphate as SO <sub>4</sub> <sup>-</sup>	mg/l	135	IS 3025 P.24 1986
57	Sulphide as S <sub>2</sub> <sup>-</sup>	mg/l	1.80	IS 3025 P.29 1986
58	Temperature	°C	27.0	IS 3025 P.09 1984
59	Total dissolved solids @ 180°C	mg/l	1530	IS 3025 P.16 1984
60	Total Kjeldahl Nitrogen as N	mg/l	390	IS:3025 P.34 1988 R.2009
61	Total suspended Solids @105°C	mg/l	160	IS 3025 P.17 1984

End of Page 5

for GREENEX ENVIRO LABORATORY PVT LTD

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami – Head of the Laboratory

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**TEST REPORT**

Sample Ref No. : GEL/W/563/03	Report No. : 563/03
<b>CUSTOMER NAME</b> : TAMILNADU PETROPRODUCTS LIMITED <b>ADDRESS</b> : Manali Express Highway, Manali, Chennai - 600 068.	Report Date : 05.04.2025 Page: 1 of 5
Sample Description : Effluent Water Sample Drawn By /Date : GEL/20.02.2025 Customer's Reference : Letter dated on 20.02.2025 Sample Mark : STP - Inlet	Received On : 20.02.2025 Commenced On : 20.02.2025 Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
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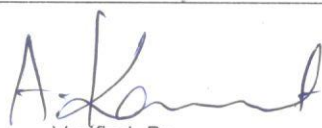
Discipline: Chemical

**Pesticides**

1	Alphamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
2	Cypermethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
3	Deltamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
4	Permethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
5	Mercury	mg/l	BDL (DL:0.01)	0.01	USEPA 200.08 REV 1994
6	Lead	mg/l	BDL (DL:0.1)	0.1	USEPA 200.08 REV 1994
7	Alpha Emitters	Microcurie/ ml	BDL (DL:0.000000001)	0.0000001	IS 14194(Part 2) 1994
8	Beta Emitters	Microcurie/ ml	BDL (DL:0.000000001)	0.0000001	IS 14194(Part 1) 1994

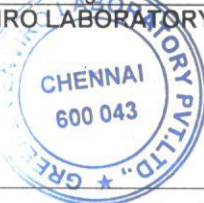
End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager





Authorized By

K P Periaswami – Head of the Laboratory



**TEST REPORT**

Sample Ref No. : GEL/W/564/03	Report No. : 564/03
<b>CUSTOMER NAME</b> : TAMILNADU PETROPRODUCTS LIMITED <b>ADDRESS</b> : Manali Express Highway, Manali, Chennai - 600 068.	Report Date : 05.04.2025 Page: 1 of 5
Sample Description : Effluent Water Sample Drawn By /Date : GEL/20.02.2025 Customer's Reference : Letter dated on 20.02.2025 Sample Mark : STP- Outlet	Received On : 20.02.2025 Commenced On : 20.02.2025 Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
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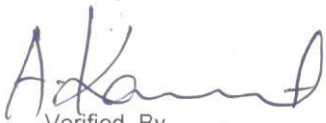
Discipline: Chemical

**Pesticides**

1	Alachlor	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
2	Aldrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
3	Alpha BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
4	Atrazine	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
5	Beta BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
6	Butachlor	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
7	Chloropyrifos	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
8	Delta BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
9	Dieldrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
10	Deltamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
11	Endosulfan alpha	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
12	Endosulfan Beta	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024

End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A. Kaviyarasi- Technical Manager





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K P Periaswami – Head of the Laboratory

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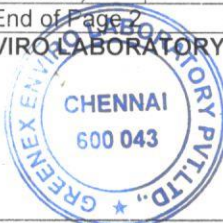
Sample Ref No: GEL/W/564/03				Report No :564/03 Report Date:05.04.2025 Page of 2 of 5	
Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
13	Endosulfan Sulfate	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
14	Ethion	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
15	Gamma BHC	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
16	Malathion	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
17	o,p'-DDD	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
18	o,p'-DDE	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
19	o,p'-DDT	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
20	p,p'-DDD	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
21	p,p'-DDE	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
22	p,p'-DDT	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
23	Parathion-methyl	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
24	Phorate	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024

End of Page 2

for GREENEX ENVIRO LABORATORY PVT LTD

  
Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By

K P Periaswami - Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/564/03

Report No :564/03

Report Date:05.04.2025

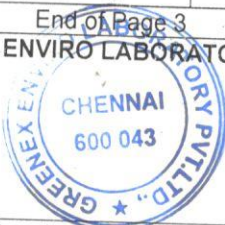
Page of 3 of 5

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
25	2,4-D	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
26	Isoproturon	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
27	Malaoxon	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
28	Methyl Paraoxon	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
29	Methyl Parathion	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
30	Monocrotophos	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
31	Phorate Sulfone	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
32	Phorate Sulfoxide	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
33	Arsenic	mg/l	BDL (DL:0.005)	Absent	USEPA 200.8 Revision 5.4:1994
34	Cadmium	mg/l	BDL (DL:0.01)	Absent	USEPA 200.8 Revision 5.4:1994
35	Chromium	mg/l	BDL (DL:0.0001)	Absent	USEPA 200.8 Revision 5.4:1994
36	Copper	mg/l	BDL (DL:0.01)	Absent	USEPA 200.8 Revision 5.4:1994

End of Page 3

for GREENEX ENVIRO LABORATORY PVT LTD

  
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TEST REPORT-ADDITIONAL SHEET

Sample Ref No: GEL/W/564/03

Report No :564/03

Report Date:05.04.2025

Page of 4 of 5

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
37	Nickel	mg/l	BDL (DL:0.1)	Absent	USEPA 200.8 Revision 5.4:1994
38	Selenium	mg/l	BDL (DL:0.005)	Absent	USEPA 200.8 Revision 5.4:1994
39	Zinc	mg/l	BDL (DL:0.1)	Absent	USEPA 200.8 Revision 5.4:1994
40	Ammonia as NH <sub>3</sub>	mg/l	0.50	-	IS:3025 P.34 1988 R.2009
41	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	8.0	-	IS:3025 P.34 1988 R.2009
42	Bio-Chemical Oxygen Demand (BOD) 3 days @ 27°C	mg/l	2.0	20	IS: 3025 P. 44 1993 R. 2009
43	Boron as B	mg/l	BDL (DL:0.1))	-	IS: 3025 P. 57 2021
44	Calcium as ca	mg/l	36.0	-	IS 3025 P.40 1991
45	Chemical Oxygen Demand(COD)	mg/l	20.0	50	IS 3025 P.58. 2006
46	Chloride as Cl <sup>-</sup>	mg/l	485	-	IS 3025 P.32. 1988
47	Cyanide as CN	mg/l	BDL (DL:0.01)	0.2	IS 3025 P.27. 1986
48	Fluorides as F	mg/l	1.20	2.0	APHA 24 <sup>th</sup> Edn :2023 4500 D'F

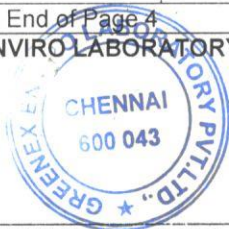
End of Page 4

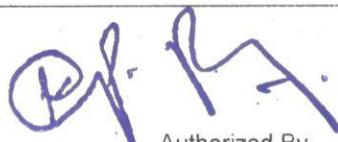
for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

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K P Periaswami – Head of the Laboratory

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**TEST REPORT-ADDITIONAL SHEET**

Sample Ref No: GEL/W/564/03

Report No :564/03

Report Date:05.04.2025

Page of 5 of 5

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
49	Free Residual Chlorine	mg/l	BDL (DL:0.2)	-	IS 3025 P.26 2021
50	Hexavalent Chromium as Cr6+	mg/l	BDL (DL:0.0001)	-	IS 3025 P.52 2003
51	Oil and grease	mg/l	BDL(DL : 1.0)	10	IS 3025 P.39 2021
52	pH value @25°C	mg/l	7.87	6.50 to 8.50	IS:3025: P.11:2022
53	Phenolic Compound	mg/l	BDL(DL :0.01)	1.0	IS 3025:P.43:1992
54	Dissolved Phosphate as P	mg/l	Nil	-	APHA 24 <sup>th</sup> Edn :2023 4500 P-B,D
55	Residual Sodium Carbonate	mEq/L	Nil	NA	IS: 11624 1986
56	Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/l	124	-	IS 3025 P.24 1986
57	Sulphide as S <sub>2</sub> <sup>2-</sup>	mg/l	Nil	-	IS 3025 P.29 1986
58	Temperature	°C	27.0	40° C at the point of discharge	IS 3025 P.09 1984
59	Total dissolved solids @ 180°C	mg/l	1520	-	IS 3025 P.16 1984
60	Total Kjeldahl Nitrogen as N	mg/l	24.0	-	IS:3025 P.34 1999 R.2009
61	Total suspended Solids @105°C	mg/l	4.0	30	IS 3025 P.17 1984

End of Page 5

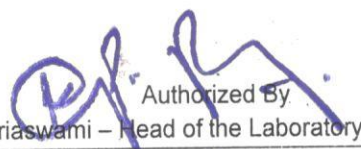
for GREENEX ENVIRO LABORATORY PVT LTD



Verified By

A.Kaviyarasi- Technical Manager



  
Authorized By  
K P Periaswami – Head of the Laboratory

- NOTE:
1. Test results shown in this test report relate only to the items tested.
  2. This test report shall not be reproduce anywhere except in full and in same format without the Approval of the laboratory
  3. Unless informed by the customer the test items will not be retained for more than 10 days

**TEST REPORT**

Sample Ref No. : GEL/W/564/03	Report No. : 564/03
<b>CUSTOMER NAME</b> : TAMILNADU PETROPRODUCTS LIMITED <b>ADDRESS</b> : Manali Express Highway, Manali, Chennai - 600 068.	Report Date : 05.04.2025 Page: 1 of 5
Sample Description : Effluent Water Sample Drawn By /Date : GEL/20.02.2025 Customer's Reference : Letter dated on 20.02.2025 Sample Mark : STP - Outlet	Received On : 20.02.2025 Commenced On : 20.02.2025 Completed On : 05.04.2025

Sl. No	PARAMETERS	Unit	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	TEST METHOD
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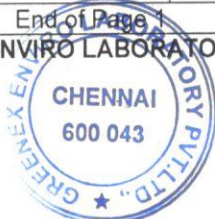
Discipline: Chemical

Pesticides					
1	Alphamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
2	Cypermethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
3	Deltamethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
4	Permethrin	mg/l	BDL (DL:0.0001)	Absent	SOP/GEL/ 012/2024
5	Mercury	mg/l	BDL (DL:0.01)	0.01	USEPA 200.08 REV 1994
6	Lead	mg/l	BDL (DL:0.1)	0.1	USEPA 200.08 REV 1994
7	Alpha Emitters	Microcurie/ml	BDL (DL:0.000000001)	0.0000001	IS 14194(Part 2) 1994
8	Beta Emitters	Microcurie/ml	BDL (DL:0.000000001)	0.0000001	IS 14194(Part 1) 1994

End of Page 1

for GREENEX ENVIRO LABORATORY PVT LTD

  
Verified By  
A.Kaviyarasi- Technical Manager



  
Authorized By  
K P Periaswami – Head of the Laboratory

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## TPL – ECH – PO Plant

### Environmental Clearance – News paper Advertisement

**IP**

**தமிழ்நாடு பெட்ரோப்ராடக்ட்ஸ் லிமிடெட்**  
பதிவு அலுவலகம்: மணலி எக்ஸ்பிரஸ்  
ஹைவே, மணலி, சென்னை-600 068.  
நிபள: L23200TN1984PLC010931  
தொலைபேசி: 044-25945588  
வலைதளம்: www.tnpetro.com  
மின்னஞ்சல்: secy-legal@tnpetro.com

**பொது அறிவிப்பு**  
தமிழ்நாடு பெட்ரோப்ராடக்ட்ஸ்  
லிமிடெட், மணலி, சென்னை 600 068ல்  
புரோப்பிலின் ஆக்ஸைடு தயாரிக்கும்  
மாற்று பொருள் உற்பத்தித் திட்டத்திற்கு  
மத்திய சுற்றுச்சூழல், வனத்துறை மற்றும்  
காலநிலை மாற்றம் அமைச்சகத்தின்  
சுற்றுச்சூழல் அனுமதி  
வழங்கப்பட்டுள்ளது (கடிதம் எண்.  
J-1101/280/2013-IA-II(I) Dated 15.05.2015).  
மேற்படி திட்டத்திற்கான சுற்றுச்சூழல்  
அனுமதி கடிதத்தின் நகல் தமிழ்நாடு  
மாசுகட்டுப்பாடு வாரியம்/கமிட்டி,  
சென்னை அலுவலகத்தில் உள்ளது.  
மேலும் இக்கடிதத்தின் நகலை மத்திய  
சுற்றுச்சூழல், வனத்துறை மற்றும்  
காலநிலை மாற்றம் அமைச்சகத்தின்  
இணையத்தளத்திலும் (<http://envfor.nic.in>)  
காணலாம்.  
இடம்: சென்னை - 600068  
தேதி: 9.10.2018  
உதவி பொது மேலாளர் - மனிதவளம்

Makkal kural dated 10.10.2018

**IP**

**Tamilnadu Petroproducts Limited**  
Regd. Office & Factory: Manali Express Highway,  
Manali, Chennai 600 068.  
CIN: L23200TN1984PLC010931  
Telefax: 044-25945588  
Website: www.tnpetro.com  
E-mail: secy-legal@tnpetro.com

**PUBLIC NOTICE**  
This is to inform that the Ministry of  
Environment, Forests and Climate Change,  
New Delhi vide their letter No.  
J-1101/280/2013-IA-II(I) dated 15th May 2015  
have accorded Environmental Clearance for  
the Product mix change to manufacture  
Propylene Oxide in the existing TPL-ECH  
plant, Manali, Chennai - 600 068, Tamilnadu.  
Copy of the Environmental Clearance letter  
referred above for the proposed project is  
available at Tamilnadu Pollution Control  
Board/Committee, Chennai and can also be  
seen at website of the Ministry of  
Environment, Forests and Climate Change  
at <http://envfor.nic.in>.  
Place : Chennai - 600 068  
Date : 9th October, 2018  
AGM - HR

The Financial Express dated 10.10.2018

## CORPORATE SOCIAL RESPONSIBILITY

Primary Health Care Centre is provided at Sadayankuppam Village, Kannampalayam & Seemavaram, Manali by AM Foundation on behalf of **Tamilnadu Petroproducts Limited** under its CSR project and Inaugurated.











