



Tamilnadu Petroproducts Limited

Ref: TPL – LAB/ 2025/EC Comp/10

13th NOV- 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 – LAB Plant – Environmental Clearance (EC) – Six Monthly Compliance Report – APR-2025 to SEP-2025 - reg.

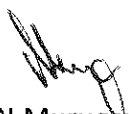
Ref: RefNo: J-11011/469/2021-IA-II(I) dated 28.11.2022

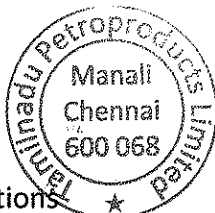
This has reference to the Environmental Clearance (EC) obtained from MoEF&CC, New Delhi for Expansion of Linear Alkyl Benzene (LAB) production from 1,20,000 TPA to 1,45,000 TPA within the existing plant at Manali Industrial Area, Chennai, Tamil Nadu

We herewith attach the EC compliance status report for the period from April 2025 to September 2025 for your kind reference.

Thanking you,

Yours faithfully,
For Tamilnadu Petroproducts Limited


N. Murugan
VP – Operations



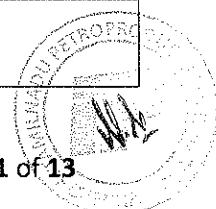
Regd. Office & Factory :
Manali Express Highway, Manali, Chennai - 600 068, India.
Tel. : (0091) - 44 - 25945500 to 09 Website : www.tnpetro.com
CIN : L23200TN1984PLC010931
TPL GSTIN : 33AAACT1295M1Z6

Environmental Clearance Compliance Status Report
For the period from APR 2025 to SEP 2025

Ref No: J-11011/469/2021-IA-II(I) dated 28.11.2022

(A) Specific Condition

S.No	Condition	Compliance
1	EC will be subject to the decision of Hon'ble NGT (SZ). The project proponent shall abide by all orders and judicial pronouncements made from time to time in the case filed in Hon'ble NGT.	Noted. Shall be complied.
2	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Complied All the environmental protection measures and safeguards proposed in the documents submitted to the Ministry have been complied. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures are being implemented.
3	NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority shall be obtained before start of the construction of plant and drawing of the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.	Complied No ground water withdrawal for the existing & proposed expansion, hence NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority is not envisaged. Tertiary Treatment Reverse Osmosis (TTRO water) from CMWSSB is being used for the existing operation and same will be using for the expansion project.
4	As proposed, 2 Nos (1 No of 3MW & 1 No of 6 MW) of the above HFO based DG sets shall be replaced with 2 Nos of 7 MW each LNG based Gas Engines during this Financial year 2022-23. As committed, PP shall replace the remaining 1 No of HFO based 6 MW DG set with a Gas Engine within 1 year from the date of issue of EC.	Being complied As committed, 2 Nos of HFO based DG sets (1 X 3MW & 1 X 6.6 MW) have been replaced with 2 Nos of 7 MW LNG based Gas Engines. Remaining 1 No of HFO based DG set (1X6.6MW), which is standby DG set will be removed or replaced with a Gas Engine.
5	Total freshwater requirement is 1000 m3 /day which will be met from TTRO supply	Complied



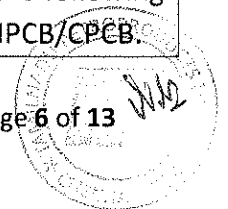
	from CMWSSB. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.	Fresh water requirement of 1000 m ³ /day will be met from TTRO supply from CMWSSB. Agreement is executed with CMWSSB, Effluent is treated in the ETP & subsequently in a RO Plant. RO permeate is reused in cooling tower as make up water and RO Reject is reused in TPL - ECH PO Plant process. No waste or treated water is discharged outside the premises.
6	PP shall ensure that effluent shall be treated through existing Effluent Treatment Plant of capacity 300 m ³ /day. Domestic wastewater is being/will be treated in existing STP of Capacity 160 KLD. The plant is being/will be based on Zero Liquid discharge system and hence treated effluent water / will not be discharged outside the factory premises.	Complied Effluent is treated through existing Effluent Treatment Plant and subsequently in RO Plant of capacity 300 m ³ /day. <ul style="list-style-type: none"> RO permeate is reused in cooling tower as make up water and RO Reject is reused in TPL - ECH PO Plant process. Domestic wastewater is treated in existing STP of Capacity 160 KLD Treated sewage is utilised for green belt development inside the unit premises. ZLDS is being achieved.
7	3D risk study shall be done including consideration of vertical components and submit to IRO, MOEF&CC within 6 months.	Complied 3D risk study including consideration of vertical components was conducted through accredited consultant M/s. Efficaz Consulting Services, Chennai. and report submitted to IRO, MOEF&CC.
8	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme.	Complied. Comprehensive water audit is being conducted annually, and report is being submitted to the Regional Office of MOEF&CC. Water Audit report is attached as Annexure-01
9	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied Dedicated storm water drains are provided to avoid Process effluent/any wastewater mixing with storm water. Storm water drain is passed through a guard pond & reused by processing through RO plant.

10	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.	Complied Hazardous chemicals are stored in dedicated tanks located in tank farms. Necessary safety measures are provided in the tank farm.
11	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	Complied Hazardous wastes are being disposed as per the authorisation issued by TNPCB. (HWA 22HFC30934995 dated 10/01/2022. Valid up to 31.03.2026). RLNG is used as fuel in boiler hence no generation of ash.
12	Regular VOC monitoring shall be done at vulnerable points.	Complied LDAR survey (VOC Monitoring) is being carried out at vulnerable points periodically. Latest LDAR survey conducted in March'25
13	The oily sludge shall be subjected to melting point for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	Complied Oil sludge is being disposed to authorised TSDF for incineration as per the Hazardous Waste Authorisation issued by TNPCB. (HWA No. 22HFC30934995 dated 10/01/2022. Valid up to 31.03.2026).
14	Oil catchers / oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Complied Oil traps are provided in rain/ storm water drainage system inside the factory premises.
15	The company shall undertake waste minimization measures as below: a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of Close Feed system into batch reactors. e) Venting equipment through vapour recovery system.	Complied a) Flow meters are provided to monitor and control of raw material consumption and to minimise waste. b) Off gas and Slop oil is reused as fuel in heaters. c) Automated filling system with magnetic flow meter is provided for product despatch to avoid spillage. d) All Raw material & products are handled in pipelines. e) Off gas generated are routed through Pilot Gas Balance Drum and reused as fuel in heaters.

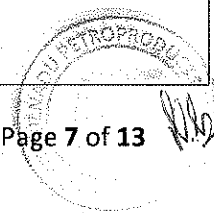
	f) Use of high pressure hoses for equipment cleaning etc. to reduce wastewater generation.	f) High pressure hoses are being used for equipment cleaning etc., to reduce wastewater generation.																
16	<p>The green belt of 5-10 m width shall be developed in 8.76 Ha i.e. nearly 54.12% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Development of Green belt in the 18 Acre land area (at a distance of 0.36 km, NE from the project site) shall be done to compensate for the deficit Green Belt (30.875%) for LAB Project within 1 year. Status of development of greenbelt in this area shall be informed to the IRO, MOEFCC regularly.</p>	<p>Being complied</p> <ul style="list-style-type: none">• We have developed 3.65 Acres (9.125 %) of green belt area within the premises (No. of Trees – 3800).• As per the EC condition, we have developed a green belt of 18 Acre (45 %) outside the premises at a distance of 0.36 km, NE from LAB site to achieve 40 % green belt coverage. (No. of tree sapling proposed – 18000). <table><tr><th>Green Belt Detail</th><th>Area Acre</th><th>%</th><th>Trees</th></tr><tr><td>Existing GB (inside)</td><td>3.65</td><td>9.125</td><td>3800</td></tr><tr><td>GB is under progress near the plant.</td><td>18.00</td><td>45.000</td><td>18000</td></tr><tr><td>Total Green Belt</td><td>21.65</td><td>54.125</td><td>21800</td></tr></table> <p>Apart from the above green belt developed, the following green belt areas have been developed outside of the plant.</p> <ul style="list-style-type: none">• Tree & flower plantation has been developed on the banks of Korattur lake and fencing provided under Greater Chennai Corporation Greenery of Chennai city scheme. <p>1400 Nos of avenue plantation developed in highway median nearby plant.</p> <ul style="list-style-type: none">• We have developed a green belt area of around 15.14 acres outside the plant premises at Morai Village, Pandeswaram Village and Grandlyon village, Thiruvallur District during 2022 – 2023. (No. of tree sapling planted– 15000). <p>Status of development of greenbelt is</p>	Green Belt Detail	Area Acre	%	Trees	Existing GB (inside)	3.65	9.125	3800	GB is under progress near the plant.	18.00	45.000	18000	Total Green Belt	21.65	54.125	21800
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		attached as Annexure-02
17	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent of Rs. 3.6 Crores to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centres / support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar streetlights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.	Being complied As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018, the Corporate Environmental Responsibility (CER) allocation for the proposed project is estimated as INR 3.6 Crores. This amount is being dedicated to addressing socio-economic and environmental issues in the surrounding communities, with a focus on sustainable development and long-term community welfare. Action plan is prepared & funds have been committed to adhere as per the given plan. CER spent details is attached as Annexure-03
18	The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall set up a skill development centre/provide skill development training to village people.	Being Complied Preference has been given to local people for employment as per the rules & regulation of company and will be ensured. Skill development centre will be provided, and skill development training will be imparted to village people.
19	A separate Environmental Management Cell (having qualified person with Environmental Science / Environmental Engineering / specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied A separate Environmental Management cell is available with environmental science qualified personnel. Full-fledged laboratory is available to carryout Environmental Management and Monitoring functions.
20	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.	Complied Firefighting system is provided as per the Tamilnadu Factories Rules. Fire hydrant system along with hydrants, fire monitors, portable fire extinguishers, foam pourers, sprinkler system, and flame detectors, etc are provided in the process as well as in the storage areas for protection of possible fire hazards during manufacturing process in material handling.

		<p>Fire license obtained from Tamilnadu Fire & Rescue services, Govt. of Tamilnadu. (Renewal Fire license validity is up to 21.08.2028).</p> <p>Onsite emergency plan is maintained to mitigate, in case of any emergency.</p>
21	<p>Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p>	<p>Complied</p> <p>Raw materials are stored in closed storage tanks to prevent dust pollution and other fugitive emissions.</p> <p>Storage Tanks are constructed over concrete floor and dykes are provided to trap runoff material.</p> <p>All roads are paved properly, and roads are being cleaned by using industrial vacuum cleaner.</p> <p>The Air Pollution Control Systems will be interlocked with process plant/ machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p>
22	<p>Continuous online (24x7) monitoring system for stack emissions/effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</p>	<p>Complied</p> <p><u>Emission Monitoring system</u></p> <p>Online Continuous Emission Monitoring system (OCEMS) is installed in the following stacks to monitor PM, SO₂, NO_x and CO parameters and the monitoring data is being transmitted to the CPCB and SPCB server.</p> <p>OCEMS provided at the following locations.</p> <ol style="list-style-type: none"> 1) Stack attached to Hot oil heater. 2) Stack attached to Hydrotreater heater. 3) Stack attached to PACOL heater. 4) Stack attached to Boiler. 5) Stack attached to CPP DG Sets and 6) Camera installed to view Flare stacks. <p>OCEMS connectivity details attached as <u>Effluents monitoring system</u></p> <p>Effluents are transferred through pipelines and not through channel/drain and hence online flowmeters are provided at the inlet and outlet of ETP and RO plant.</p> <p>Flow meters are provided at the following locations and connected to TNPCCB/CPCB.</p>



		<p>1) Inlet & Outlet of the ETP, 2) RO Feed 3) RO Permeate 4) RO Reject and 5) Combined effluent outlet from LAB - RO Reject & HCD to ECH PO Plant process.</p> <p>Online Continuous Effluent Monitoring system (OCEMS) is installed at the combined effluent outlet from LAB & HCD plants to ECH PO Plant process for monitoring PH, BOD/COD, TSS and the data is being transmitted to the CPCB and SPCB server.</p>
23	<p>PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p>	<p>Complied</p> <p>Occupational health centre is available in the site with the following facility.</p> <p>1) Doctor 2) Nurse, round the clock. 3) Ambulance</p> <p>Periodic medical check-up for all employees is being done at regular interval. Records are maintained. The health data is being used in deploying the duties of the employees.</p> <p>Primary Health Care Centres (PHCC) and mobile clinic are provided at nearby villages (Vichoor, Sadayankuppam, Periyasekkadu, Kannampalayam & Seemavaram) to cater to the primary health care needs of the peoples residing nearby areas.</p> <p>Required Personal Protective Equipment (PPEs) are being given to all employees & contractors.</p>
24	<p>The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.</p>	<p>Complied</p> <p>The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time, is being followed.</p>
25	<p>Recommendations of mitigation measures from possible accident shall be</p>	<p>Complied</p>



<p>implemented based on advanced risk Assessment studies conducted for worst case scenarios using latest techniques.</p>	<p>Adequate safety measures are provided to mitigate possible accident. Risk Assessment studies have been conducted for worst case scenarios using latest techniques through accredited consultant and the recommendations given in the risk assessment studies are being implemented.</p> <p>Existing safety measures:</p> <ul style="list-style-type: none"> • TPL – LAB has a well laid individual Fire Water pumping system with Jockey pumps, Main motor driven pumps and Diesel engine driven pumps. • Fire hydrant ring header runs throughout the plant, covering the entire LAB plant with sufficient numbers of hydrants and monitors as per the Tamil Nadu Factories Rules requirements. • Sprinkler systems are provided in the storage tanks storing class A chemical. • Nitrogen blanketing system is provided in the benzene storage tanks. • Benzene Online analyzer is provided. • LNG, LPG, Hydrogen, HF and HC detectors are provided at handling areas. • Necessary PPEs are provided. • Hydrant system, Foam pourer, water monitor, are provided. • Fire alarm manual call points provided. • Dyke walls are provided for all storage tanks to contain the liquid in case of any leakages. <p>Risk assessment study –Recommendations</p> <ul style="list-style-type: none"> • Fixed water spray system is provided to HF handling area to minimize the HF dispersion into surroundings. • Online HF leak detectors are provided in and around HF storage and handling areas. • Chemical Protective suit with dual air system and necessary PPE are provided.
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		<ul style="list-style-type: none"> • Periodic training is given to all employees using PPEs and handling emergencies. • Periodic thickness survey is being carried out for HF pipelines, storage tank and vessels. • Standard Operating Procedures is available to take care of emergencies. • Operator training and retraining are being carried out continuously and Mock Drills are being carried out regularly on identified scenarios. • Work Permit System is being strictly enforced. • Explosion proof electrical equipment and lighting features are provided in the classified area. • Smoking and carrying smoking accessories are strictly prohibited. • Ensure that safe work practices are followed in premises, including hot work procedures in areas near flammable inventories. • Safety Procedures and Do's and Don'ts is prepared and displayed in handling and storage area. • Periodic inspection of Pipelines and painting are being carried out to avoid corrosion and subsequent leak.
26	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	<p>Complied</p> <p>TPL plant premises is declared as 'Plastic Free Zone'.</p> <p>Display board made of metal with pictorial representation of the banned "one time use and throwaway plastic" items is provided at the entrance of the industry.</p> <p>Conducted awareness programs on ban on use of "one time use and throwaway plastic" and the alternatives for the banned plastics Eco-friendly alternatives such as banana leaf, arecanut palm plate, stainless steel, glass porcelain plants/cups</p>

		cloth bag, jute bag etc are being encouraged for use.
	General Condition	
1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, 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, Forests & Climate Change. in case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference will be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.,
2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Complied Energy efficient LED bulbs are being used for lighting purpose to conserve energy and environment betterment.
3	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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Complied Acoustic hoods, silencers, enclosures, etc., are provided at DG sets to keep the noise level within the prescribed standards. All machineries like blowers, compressors are being maintained properly, and preventive maintenance are taken as per the schedule to control the noise levels. Ambient noise levels are being monitored periodically through in-house laboratory and TNPCB laboratory.
4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Being Complied All relevant measures are being taken towards the improvement of socio-economic conditions of the surrounding area. Action plan was prepared to undertake eco-developmental measures including community welfare measures under Corporate Environmental Responsibility (CER) involving local villages and administration in the project area for the overall improvement of the environment.

		<p>Following community welfare measures are taken under CSR/CER activities.</p> <p>Primary Health Care Centre (PHCC) is provided at following location in Manali area to cater to the primary health care needs of the peoples residing nearby areas.</p> <ul style="list-style-type: none"> • Sadayankuppam • Vichoor • Periyasekkadu • Kannampalayam • Seemavaram • Mobile Primary Health Care Centre (Dr. Mobile). • Smart classroom facility provided to Sadayankuppam village school <p>Constructed Rest rooms in Government schools at following location in, Manali.</p> <ul style="list-style-type: none"> • Government high school at Manali New Town • Government high school at Redhill • Government high school at Vichoor • Near Sathankadu police station <p>CER spent details is attached as Annexure-03</p>
5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	<p>Being Complied</p> <p>Sufficient funds are earmarked towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government and implementation schedule is prepared and being followed.</p> <p>Funds earmarked for environmental management / pollution control measures will not be diverted for any other purpose.</p>
6	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<p>Complied</p> <p>No suggestion / representation has been received from Panchayat / Municipal corporation urban local body and local NGO while processing the proposal.</p>



7	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.</p>	<p>Being Complied</p> <p>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 by e-mail) will be submitted to MOEF Regional Office/ the Zonal Office of CPCB and SPCB.</p> <p>A copy of Environmental Clearance and six-monthly compliance status report are uploaded in our company's website (www.tnpetro.com) and is being updated periodically.</p>
8	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.</p>	<p>Being Complied</p> <p>The environmental statement (Form V) is being submitted to TNPCB once in a year before 30th Sep every year.</p> <p>Environmental statement (Form V) for the year 2024 – 2025 was submitted to TNPCB on 25.09.2025.</p> <p>The six-monthly compliance status of environmental clearance conditions including results of monitored data is being submitted to MOEF Regional Office through e-mail.</p> <p>A copy of Form V and six-monthly compliance status of environmental clearance conditions were uploaded in the company's website. (www.tnpetro.com)</p>
9	<p>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 and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality</p>	<p>Complied</p> <p>Detail of the Environmental clearance obtained for the project was published in English & Tamil newspapers (The Financial Express on 03.12.2022 and Makkal Kural on 02.12.2022) as public notice advertisements.</p> <p>Advertisements were submitted to the Regional Office, MOEFCC on 27.12.2022.</p>

	concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
10	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.	<p>Complied.</p> <ul style="list-style-type: none"> The details of date of financial closure: 13th February 2023. <p>The consent for establishment (CTE) obtained from TNPCB CONSENT ORDER NOs. 2306151374029,2306251374029, DATED: 31/08/2023.</p> <ul style="list-style-type: none"> G.O from Tamilnadu Government based on Site Appraisal Committee (SAC) recommendation obtained in the month of November-2023 Date of start of the project: Sep-2023
11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted..





TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali
AMBIENT AIR QUALITY SURVEY – Report of Analysis

Report No. 08/AAQS/2025-26

Date: 13.06.2025

1. Name of the Industry : **M/s. TPL (LAB),**
2. Address of the Industry : **Manali Express Highway, Chennai - 68.**
3. Date of Survey : **13.05.2025**
4. Duration of Survey : **8 Hours / 24 hours**
5. Category : **Red / Orange / Green – Large / Medium / Small**
6. Land use classification : **Industrial / Commercial / Residential / Sensitive**


Meteorological Conditions

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	26	34		55	68
Weather Condition	Partially Cloudy		Rain Fall (mm)	Nil	
Predominant Wind Direction	NE – SW		Mean Wind Speed (km/hr)	17.8	

Ambient Air Quality Survey Results

Sl. No.	Location	Direction *	Distance (m) *	Height Form GL (m)	Pollutants Concentration (microgram / m ³)			
					PM 2.5	PM 10	SO ₂	NO ₂
1	On top of platform near hot oil heater	NE	100	2.0	22	73	9	21
2	On top of platform adjacent to Raw water pond	E	50	2.0	--	78	10	20
3	On top of CP station near flare stack	SE	100	2.0	--	75	11	22
4	On top of CP station – I	SW	100	2.0	34	89	14	25
5	On Top of Drivers rest Room	W	75	2.0	--	86	12	26
6	On top of the weigh bridge office room	NW	150	2.0	--	84	13	24

Note: * With respect to major emission sources. The analytical results are restricted to the sampling period of **8 hrs/24hrs**


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Test Performed	Test Method
PM10	IS 5182 : (Part 23) – 2006
SO ₂	Modified West – Gaeke / IS 5182 : (Part 2) – 2001 RA: 2012
NO ₂	Jacobs – Hochheiser / IS 5182 : (Part 6) – 2006 RA:2012



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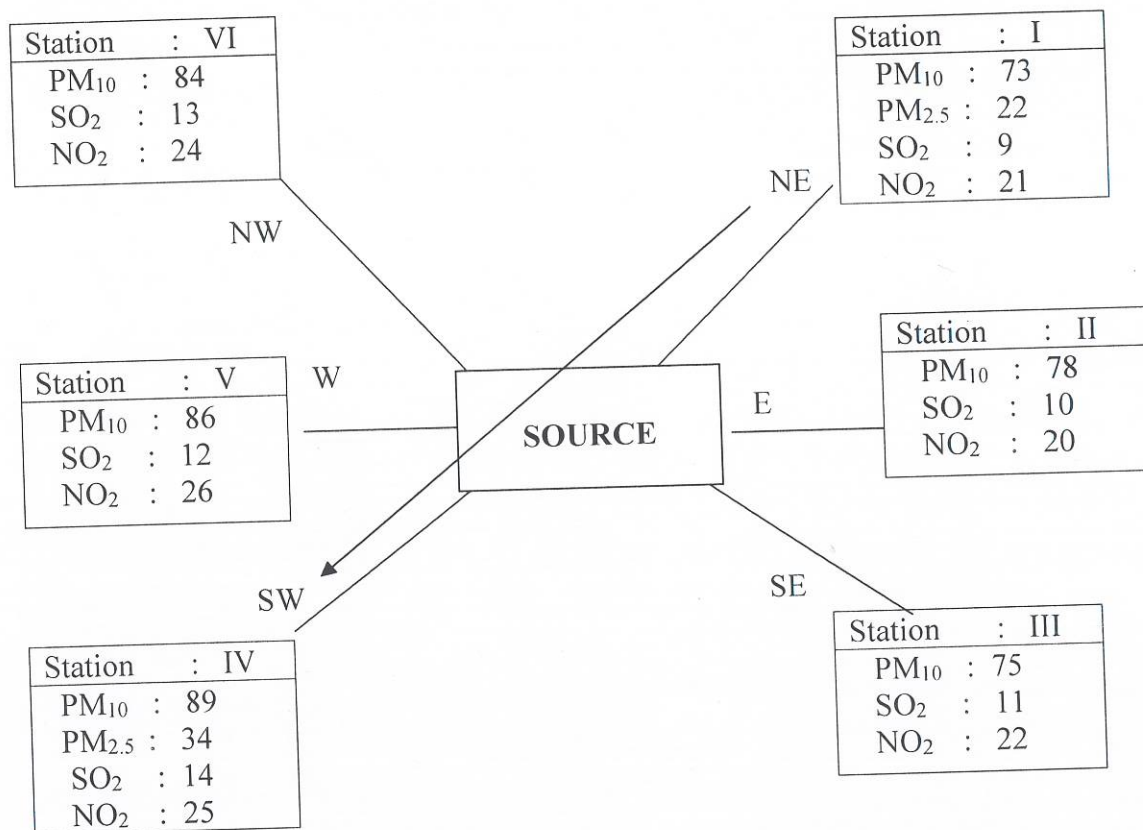
AMBIENT AIR QUALITY SURVEY

Schematic Diagram Showing Location of Sampling

Report No.08 /AAQ/SM/2025-26

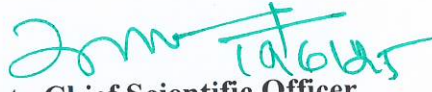
Name and Address of the Industry : **M/s. TPL (LAB)**
Manali Express Highway, Chennai – 68.

Date of Survey : 13.05.2025



Note: All the values are expressed in $\mu\text{g}/\text{m}^3$ and restricted to sampling period of 8 hrs/24hrs

Meteorological Conditions:	
Predominant Wind Direction	NE – SW
Wind Speed (Km/hr)	17.8
Weather Condition	Partially Cloudy
Rainfall	Nil


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TAMIL NADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Manali

STACK MONITORING SURVEY – Report of Analysis

Report No. 08/ SM/2025-26

Date: 13.06.2025

1. Name of the Industry : M/s. TPL (LAB),
2. Address of the Industry : Manali Express Highway, Chennai – 68
3. Date of Survey : 13.05.2025
4. Type of Industry : Coal/Chemical/Sugar/Paper & Pulp/
Power plant / Textile Processing/Petroproducts

Stack Monitoring Survey Results

Sl. No.	Stack attached to	Fuel used	Stack Temp °K	Velocity in (m/ sec)	Discharge rate In Nm ³ /hr	Pollutants (mg / Nm ³)		
						PM	SO ₂	NO _x
1	Boiler – 8T	LNG	467	15.9	57119	4	4	48
2	PACOL Heater	LNG	709	23.4	33952	4	3	42
3	Hydrobon Heater	LNG	407	21.0	20893	4	2	8
4	CPP-II	LNG	427	23.7	68639	2	3	32
5	Hot Oil Heater	LNG	438	24.6	344568	4	2	46

Test Performed	Test Method
PM	IS 11255 : (Part 1) – 1985
SO ₂	IS 11255 : (Part 2) – 1985
NO _x	IS 11255 : (Part 7) – 2005


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TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali

Stack Details

Report No.08/AAQ/SM/2025-26

1. Name and Address of the Industry : **M/s. TPL (LAB)**
Manali Express Highway, Chennai – 68
2. Date of Survey : 13.05.2025

Sl. No.	Particulars	1	2	3
1.	Stack attached to	Boiler	Heater	Heater
2.	Details of process stack	Boiler- 8T	PACOL	Hydrobon
3.	Height from G Level in (m)	30	30	30
4.	Diameter in (m)	1.4	1.1	0.69
5.	Port hole height from Ground Level or bends or ducts in (m)	16.7	40.0	20.0
6.	Fuel Used (with % Sulphur content)	LNG	LNG	LNG
7.	Fuel Consumption rate per hr (mention units)	10 kg / hr	880 kg / hr	120 kg / hr
8.	Type of Stack and capacity	Round	Round	Round
9.	Production on 13.05.2025	Linear Alkyl Benzene 294 MT, N-Paraffin – 184 MT, Heavy Alkylate – 6 MT		
10.	APC Measures provided	Stack Provided	Stack Provided	Stack Provided
11.	APC functional status	Functioning	Functioning	Functioning
12.	Ambient temp in °K	303	304	304
13.	Temp of flue gas in °K	467	709	407
14.	Velocity of flue gas in m/sec	15.9	23.4	21.0
15.	Volume of flue gas sampled in m ³	1.01	0.984	1.01
16.	Gaseous Discharge rate per day in Nm ³ /hr	57119	33952	20893


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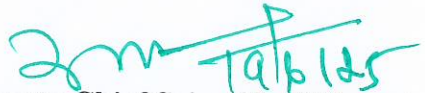


TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali
Stack Details

Report No.08/AAQ/SM/2025-26

1. Name and Address of the Industry : **M/s. TPL (LAB)**
Manali Express Highway, Chennai – 68
2. Date of Survey : 13.05.2025

Sl. No.	Particulars	4	5
1.	Stack attached to	CPP	Heater
2.	Details of process stack	CPP-II	Hot Oil Heater
3.	Height from G Level in (m)	30	76
4.	Diameter in (m)	1.2	3.4
5.	Port hole height from Ground Level or bends or ducts in (m)	26	68
6.	Fuel Used (with % Sulphur content)	LNG	LNG
7.	Fuel Consumption rate per hr (mention units)	950 kg / hr	3500 kg / hr
8.	Type of Stack and capacity	Round	Round
9.	Production on 13.05.2025	Linear Alkyl Benzene 294 MT, N-Paraffin – 184, MT Heavy Alkylate – 6 MT	
10.	APC Measures provided	Stack Provided	Stack Provided
11.	APC functional status	Functioning	Functioning
13.	Ambient temp in °K	304	305
14.	Temp of flue gas in °K	427	438
15.	Velocity of flue gas in m/sec	23.7	24.6
16.	Volume of flue gas sampled in m ³	1.02	0.992
17.	Gaseous Discharge rate per day in Nm ³ /hr	68639	344568


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TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali

STACK MONITORING SURVEY – Additional details

Report No. 08/ SM/2025-26

Date: 13.06.2025

1. Name of the Industry : **M/s. TPL (LAB)**
2. Address of the Industry : **Manali Express Highway, Chennai – 68**
3. Date of Survey : **13.05.2025**
4. Type of Industry : **Coal/Chemical/Sugar/Paper & Pulp/
Power plant / Textile Processing/ Petroproducts**

Stack Monitoring Additional details

Sl. No.	Details of stack mentioned in the Air Consent order	Details of stack available and in working condition	Details of stack for which stack Emission sampling have been done	Justification for the left out of stack Emission Sampling
1.	Boiler – 8T	Working	Sampling Done	--
2.	PACOL Heater	Working	Sampling Done	--
3.	Hydrobon Heater	Working	Sampling Done	--
4.	CPP-II	Working	Sampling Done	--
5.	Hot Oil Heater	Working	Sampling Done	--


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TAMIL NADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali
AMBIENT/SOURCE NOISE LEVEL SURVEY - Report of Analysis

Report No. 08/ NLS/2025-26

Date: 13.06.2025

1.	Name of the Industry	M/s. TPL (LAB)		
2.	Address of the Industry	Manali Express Highway, Chennai - 68		
3.	Date of Survey	13.05.2025		
Category		RL	Land use Classification	Industrial
Type of Survey		Ambient/Source	Time of Survey	Day
Meteorological conditions			Calm/Windy/Rainy	Windy

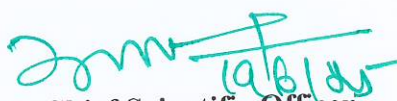
Logging Parameters

Logging Parameters				
Instrument Used	CESVA Model SC310		Serial No	T243103
Logging Interval	10 Minutes each point		Measuring Range	50-110 dB(A)
Weighting	“ A ”	Peak Weighting	“C”	Time Weighting
				FAST
Sound Incidence	RANDOM		Time in hrs	14.00 – 15.30

Report of Noise Level Monitoring

Sl No	Location	Duration (min)	Distance (M)	Direction	Sound Level – dB (A)		
					Leq	Min	Max
1	Near Hot Oil Heater	10	100	NE	62.7	57.5	86.4
2	Near Raw Water Pond	10	50	E	70.0	58.4	82.7
3	Top of CP Station Near Flare Stack	10	100	SE	64.0	58.4	80.0
4	Near CP Station -I	10	100	SW	69.4	60.1	81.5
5	Top of Drivers Rest Room	10	75	W	71.0	57.3	86.1
6	Top of weigh bridge near office room	10	100	NW	59.8	56.8	68.9

Note: Leq value is the average energy for the measured period.


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TAMIL NADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Manali

INFERENCE REPORT ON A.A.Q.S./ S.M.

1. Name of Industry : **M/s. TPL (LAB)**
2. Pollution Category : **Red Large**
3. Date of A.A.Q. Survey : **13.05.2025**
4. Predominant Wind Direction : **NE - SW**
5. Weather condition : **Partially Cloudy**

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY :-

1. Total No. of A.A.Q. stations monitored : **6**
2. No. of A.A.Q. stations in which Pollutants Level exceeded the Boards standards : **Nil**

Maximum and Minimum values of Pollutants Level observed:

Sl. No.	POLLUTANT	Values in microgram/m ³		BOARD's STANDARD (As per consent order)
		Maximum	Minimum	
1.	PM ₁₀	89	73	100
	PM _{2.5}	34	22	60
2.	<u>GASEOUS POLLUTANTS:-</u>			
	(i) SO ₂	14	9	80
	(ii) NO ₂	26	20	80

II. STACK MONITORING:-

1. Total No. of Stacks Monitored : **5**
2. No. of Stacks in which Pollutants level Exceeded the Boards standards : **Nil**


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District Environmental Laboratory, Manali

TVOC Survey – Report of Analysis

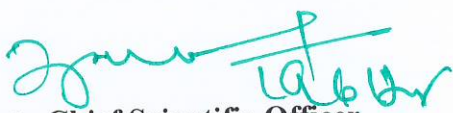
Report No.08 /TVOC/2025-26

dated :13.06.2025

1. Name of the Industry : M/s. TPL (LAB)
2. Address of the Industry : Manali Express Highway, Chennai - 68
3. Date of Survey : 13.05.2025
4. Pollution Category : Red Large

TVOC – Analysis Report

Sl.No.	Location	Direction	Distance (mts)	TVOC (ppm)
1	Near Hot Oil Heater	NE	100	0.0
2	Near Raw Water Pond	E	50	0.0
3	Top of CP Station Near Flare Stack	SE	100	0.0
4	Near CP Station -I	SW	100	0.0
5	Top of Drivers Rest Room	W	75	0.0
6	Top of weigh bridge near office room	NW	150	0.0


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Manali

TPL – LAB Plant

Environmental Clearance - Newspaper Advertisement

FINANCIAL EXPRESS
12

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Union Minister for Environment, Forest and Climate Change, Government of India
In conversation with
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The Senior and Grade scale: SC/ST/001/002/003/004/005/006/007/008/009/010/011/012/013/014/015/016/017/018/019/020/021/022/023/024/025/026/027/028/029/030/031/032/033/034/035/036/037/038/039/040/041/042/043/044/045/046/047/048/049/050/051/052/053/054/055/056/057/058/059/060/061/062/063/064/065/066/067/068/069/070/071/072/073/074/075/076/077/078/079/080/081/082/083/084/085/086/087/088/089/090/091/092/093/094/095/096/097/098/099/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/119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TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY**(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



Sustainability

TEST REPORT

URL No:TC-1174925000000732F

Test Report No: RSIWMSL/CON/25-26/09/0400

Page 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
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Report Date : 30.09.25 Sample Condition : Sample received in Polyethylene cover
 Analysis Completion date : 30.09.25 Sample description/Code : Ambient Air Quality
 Analysis Starting Date : 20.09.25 Sample Location : Near Hot Oil Heater (North East)
 Sampling Date & Time : 19.09.25 to 20.09.25 (10:00am to 10:00am) Sample registration no : RSIWMSL/25-26/09/AAQ/0400
 Sample received Date : 20.09.25 Sample Collected By : Re Sustainability IWM Solutions Ltd
 Sub-Contracting of Tests : NA Sampling Procedure : IS-5182
 Environmental Condition :
 Ambient Temperature: Min: 24.6° C, Max: 33.0° C
 Relative Humidity : Min: 60% & Max: 94%

TEST RESULT

S. No	Parameter	Unit	Method	Result	NAAQ Standard
1.	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	27.45	60
2.	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	57.97	100
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	15.25	80
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	25.0	80
5.	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.33	4.0
6.	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
7.	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
8.	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 0.1)	1.0
9.	Arsenic as As	ng/m ³	RSIWMSL/LAB_SOP_039	BDL (DL: 1.0)	6.0
10.	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 1.0)	20
11.	Benzo (a) Pyrene	ng/m ³	RSIWMSL/LAB_SOP_043	BDL (DL: 0.1)	1.0
12.	Benzene as C ₆ H ₆	µg/m ³	RSIWMSL/LAB_SOP_044	BDL (DL: 2.0)	5.0

Note: BDL – Below Detection Limit, DL – Detection Limit.

Remarks:

- The reports results relate only to be samples Tested.
- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

Verified by



Authorized Signatory

-----End of the Report-----

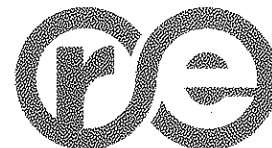


TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY**(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



Sustainability

Page 1 of 1

TEST REPORT

URL No:TC-1174925000000733F

Test Report No: RSIWMSL/CON/25-26/09/0401

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date : 30.09.25 Sample Condition : Sample received in Polyethylene cover
 Analysis Completion date : 30.09.25 Sample description/Code : Ambient Air Quality
 Analysis Starting Date : 20.09.25 Sample Location : Near Raw Water Pond (East)
 Sampling Date & Time : 19.09.25 to 20.09.25 (10:05am to 10:05am) Sample registration no : RSIWMSL/25-26/09/AAQ/0401
 Sample received Date : 20.09.25 Sample Collected By : Re Sustainability IWM Solutions Ltd
 Sub-Contracting of Tests : NA Sampling Procedure : IS-5182
 Environmental Condition :
 Ambient Temperature: Min: 24.6° C, Max: 33.0° C
 Relative Humidity : Min: 60% & Max: 94%

TEST RESULT

S. No	Parameter	Unit	Method	Result	NAAQ Standard
1.	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	20.79	60
2.	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	50.51	100
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	13.45	80
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	22.37	80
5.	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.17	4.0
6.	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
7.	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
8.	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 0.1)	1.0
9.	Arsenic as As	ng/m ³	RSIWMSL/LAB_SOP_039	BDL (DL: 1.0)	6.0
10.	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 1.0)	20
11.	Benzo (a) Pyrene	ng/m ³	RSIWMSL/LAB_SOP_043	BDL (DL: 0.1)	1.0
12.	Benzene as C ₆ H ₆	µg/m ³	RSIWMSL/LAB_SOP_044	BDL (DL: 2.0)	5.0

Note: BDL – Below Detection Limit, DL – Detection Limit.

Remarks:

- The reports results relate only to be samples Tested.
- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

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**RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY****(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

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Sustainability

Page 1 of 1

TC-11749

TEST REPORT

URL No:TC-1174925000000734F

Test Report No: RSIWMSL/CON/25-26/09/0402

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date : 30.09.25 Sample Condition : Sample received in Polyethylene cover
 Analysis Completion date : 30.09.25 Sample description/Code : Ambient Air Quality
 Analysis Starting Date : 20.09.25 Sample Location : Near Driver Rest Room (West)
 Sampling Date & Time : 19.09.25 to 20.09.25 (10:20am to 10:20am) Sample registration no : RSIWMSL/25-26/09/AAQ/0402
 Sample received Date : 20.09.25 Sample Collected By : Re Sustainability IWM Solutions Ltd
 Sub-Contracting of Tests : NA Sampling Procedure : IS-5182
 Environmental Condition :
 Ambient Temperature: Min: 24.6° C, Max: 33.0° C
 Relative Humidity : Min: 60% & Max: 94%

TEST RESULT

S. No	Parameter	Unit	Method	Result	NAAQ Standard
1.	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	22.87	60
2.	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	56.59	100
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	15.25	80
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	22.19	80
5.	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.19	4.0
6.	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
7.	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
8.	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 0.1)	1.0
9.	Arsenic as As	ng/m ³	RSIWMSL/LAB_SOP_039	BDL (DL: 1.0)	6.0
10.	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 1.0)	20
11.	Benzo (a) Pyrene	ng/m ³	RSIWMSL/LAB_SOP_043	BDL (DL: 0.1)	1.0
12.	Benzene as C ₆ H ₆	µg/m ³	RSIWMSL/LAB_SOP_044	BDL (DL: 2.0)	5.0

Note: BDL – Below Detection Limit, DL – Detection Limit.

Remarks:

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- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

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End of the Report



TC-11749

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Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

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TEST REPORT

URL No:TC-1174925000000735F

Test Report No: RSIWMSL/CON/25-26/09/0403

Page 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date : 30.09.25 Sample Condition : Sample received in Polyethylene cover
 Analysis Completion date : 30.09.25 Sample description/Code : Ambient Air Quality
 Analysis Starting Date : 20.09.25 Sample Location : Near CP Station-1 (South West)
 Sampling Date & Time : 19.09.25 to 20.09.25 (10:15am to 10:15am) Sample registration no : RSIWMSL/25-26/09/AAQ/0403
 Sample received Date : 20.09.25 Sample Collected By : Re Sustainability IWM Solutions Ltd
 Sub-Contracting of Tests : NA Sampling Procedure : IS-5182
 Environmental Condition :
 Ambient Temperature: Min: 24.6° C, Max: 33.0° C
 Relative Humidity : Min: 60% & Max: 94%

TEST RESULT

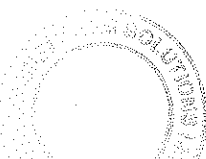
S. No	Parameter	Unit	Method	Result	NAAQ Standard
1.	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	20.79	60
2.	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	51.62	100
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	12.11	80
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	20.79	80
5.	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	BDL (DL: 1.14)	4.0
6.	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
7.	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
8.	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 0.1)	1.0
9.	Arsenic as As	ng/m ³	RSIWMSL/LAB_SOP_039	BDL (DL: 1.0)	6.0
10.	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 1.0)	20
11.	Benzo (a) Pyrene	ng/m ³	RSIWMSL/LAB_SOP_043	BDL (DL: 0.1)	1.0
12.	Benzene as C ₆ H ₆	µg/m ³	RSIWMSL/LAB_SOP_044	BDL (DL: 2.0)	5.0

Note: BDL – Below Detection Limit, DL – Detection Limit.

Remarks:

- The reports results relate only to be samples Tested.
- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

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-----End of the Report-----



TC-11749

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Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

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TEST REPORT

URL No:TC-1174925000000736F

Test Report No: RSIWMSL/CON/25-26/09/0404

Page 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date : 30.09.25 Sample Condition : Sample received in Polyethylene cover
 Analysis Completion date : 30.09.25 Sample description/Code : Ambient Air Quality
 Analysis Starting Date : 20.09.25 Sample Location : Near Flare Stack (South East)
 Sampling Date & Time : 19.09.25 to 20.09.25 Sample registration no : RSIWMSL/25-26/09/AAQ/0404
 (10:10am to 10:10am)
 Sample received Date : 20.09.25 Sample Collected By : Re Sustainability IWM Solutions Ltd
 Sub-Contracting of Tests : NA Sampling Procedure : IS-5182
 Environmental Condition :
 Ambient Temperature: Min: 24.6° C, Max: 33.0° C
 Relative Humidity : Min: 60% & Max: 94%

TEST RESULT

S. No	Parameter	Unit	Method	Result	NAAQ Standard
1.	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	29.11	60
2.	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	61.39	100
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	16.59	80
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	23.12	80
5.	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.39	4.0
6.	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
7.	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
8.	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 0.1)	1.0
9.	Arsenic as As	ng/m ³	RSIWMSL/LAB_SOP_039	BDL (DL: 1.0)	6.0
10.	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 1.0)	20
11.	Benzo (a) Pyrene	ng/m ³	RSIWMSL/LAB_SOP_043	BDL (DL: 0.1)	1.0
12.	Benzene as C ₆ H ₆	µg/m ³	RSIWMSL/LAB_SOP_044	BDL (DL: 2.0)	5.0

Note: BDL – Below Detection Limit, DL – Detection Limit.

Remarks:

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- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

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TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY

(A Division of Re Sustainability Limited)

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Page 1 of 1

TEST REPORT

URL No:TC-1174925000000737F

Test Report No: RSIWMSL/CON/25-26/09/0405

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date : 30.09.25 Sample Condition : Sample received in Polyethylene cover
 Analysis Completion date : 30.09.25 Sample description/Code : Ambient Air Quality
 Analysis Starting Date : 20.09.25 Sample Location : Near Weigh Bridge Office Room (North West)
 Sampling Date & Time : 19.09.25 to 20.09.25 (10:25am to 10:25am) Sample registration no : RSIWMSL/25-26/09/AAQ/0405
 Sample received Date : 20.09.25 Sample Collected By : Re Sustainability IWM Solutions Ltd
 Sub-Contracting of Tests : NA Sampling Procedure : IS-5182
 Environmental Condition :
 Ambient Temperature: Min: 24.6° C, Max: 33.0° C
 Relative Humidity : Min: 60% & Max: 94%

TEST RESULT

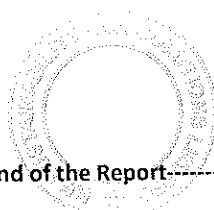
S. No	Parameter	Unit	Method	Result	NAAQ Standard
1.	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	31.19	60
2.	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	68.44	100
3.	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	17.49	80
4.	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	27.22	80
5.	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.21	4.0
6.	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
7.	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
8.	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 0.1)	1.0
9.	Arsenic as As	ng/m ³	RSIWMSL/LAB_SOP_039	BDL (DL: 1.0)	6.0
10.	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 1.0)	20
11.	Benzo (a) Pyrene	ng/m ³	RSIWMSL/LAB_SOP_043	BDL (DL: 0.1)	1.0
12.	Benzene as C ₆ H ₆	µg/m ³	RSIWMSL/LAB_SOP_044	BDL (DL: 2.0)	5.0

Note: BDL – Below Detection Limit, DL – Detection Limit.

Remarks:

- The reports results relate only to be samples Tested.
- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

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TC-11749

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TEST REPORT

URL No:TC-1174925000000741F

Test Report No: RSIWMSL /CONR/25-26/09/0409

Page: 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:30.09.2025	Sample Condition	: Sample received in Good
Analysis Completion date	:30.09.2025	Sampling Procedure	: IS:11255 & SOP
Analysis Starting Date	:19.09.2025	Sample registration no	: RSIWMSL /25-26/09/Stack/0409
Sampling Date	:19.09.2025	Sample description/Code	: Stack Emission
Sample received Date	:20.09.2025	Sample Location	: Boiler Stack
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

TEST RESULT

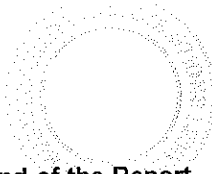
S.No.	Stack Details	
1	Diameter	1.4m
2	Temperature	471 °K
3	Velocity	7.79 m/sec
4	Volume of Gas Discharged	26905 Nm ³ /hr

S.No.	Parameter	Unit	Test Method	RESULTS	Limit as Per MOEF Notification (Max)
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	BDL(DL:5.0)	10
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	58	250
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	BDL(DL:5.0)	50
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	3.2	150
5	Carbon Dioxide as CO ₂	%		4.6	--
6	Oxygen as O ₂	%		2.04	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The reports results relate only to be samples Tested.
- The above emission results meet the standards as prescribed by MOEF Notification.
- Test reports shall not be reproduced in full or Part without the written approval of the RSIWMSL laboratory.

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TC-11749

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TEST REPORT

URL No:TC-1174925000000738F

Test Report No: RSIWMSL /CONR/25-26/09/0406

Page: 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date : 30.09.2025 Sample Condition : Sample received in Good
 Analysis Completion date : 30.09.2025 Sampling Procedure : IS:11255 & SOP
 Analysis Starting Date : 19.09.2025 Sample registration no : RSIWMSL /25-26/09/Stack/0406
 Sampling Date : 19.09.2025 Sample description/Code : Stack Emission
 Sample received Date : 20.09.2025 Sample Location : Captive Power Plant 7 MW LNG Based (1&2) Stack
 Sub-Contracting of Tests : NA Sample Collected by : Re Sustainability IWM Solutions Ltd

TEST RESULT

S.No.	Stack Details	Engine-5	Engine-6
1	Diameter	1.2m	1.2m
2	Temperature	653 °K	659 °K
3	Velocity	17.09 m/sec	17.16 m/sec
4	Volume of Gas Discharged	31072 Nm ³ /hr	31135 Nm ³ /hr

S.No.	Parameter	Unit	Test Method	RESULTS		Limit as Per MOEF Notification (Max)
				Engine-5	Engine-6	
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	BDL(DL:5.0)	BDL(DL:5.0)	05
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	129	141	250
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	9.65	9.96	50
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	66.4	69.7	100
5	Carbon Dioxide as CO ₂	%		6.2	6.8	--
6	Oxygen as O ₂	%		10.56	10.97	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The reports results relate only to be samples Tested.
- The above emission results meet the standards as prescribed by MOEF Notification.
- Test reports shall not be reproduced in full or Part without the written approval of the RSIWMSL laboratory.

 Verified by


 Authorized Signatory

-----End of the Report-----



TC-11749

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Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



Sustainability

TEST REPORT

URL No:TC-1174925000000740F

Test Report No: RSIWMSL /CONR/25-26/09/0408

Page: 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:30.09.2025	Sample Condition	: Sample received in Good
Analysis Completion date	:30.09.2025	Sampling Procedure	: IS:11255 & SOP
Analysis Starting Date	:19.09.2025	Sample registration no	: RSIWMSL /25-26/09/Stack/0408
Sampling Date	:19.09.2025	Sample description/Code	: Stack Emission
Sample received Date	:20.09.2025	Sample Location	: DG 1250 kVA Stack
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

TEST RESULT

S.No.	Stack Details	
1	Diameter	0.6 m
2	Temperature	515 °K
3	Velocity	5.73 m/sec
4	Volume of Gas Discharged	3314 Nm ³ /hr

S.No.	Parameter	Unit	Test Method	Results	Limit as Per MOEF Notification (Max)
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	29.4	50
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	198	650
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	25	--
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	45	100
5	Carbon Dioxide as CO ₂	%		5.8	--
6	Oxygen as O ₂	%		14.9	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The reports results relate only to be samples Tested.
- The above emission results meet the standards as prescribed by MOEF Notification.
- Test reports shall not be reproduced in full or Part without the written approval of the RSIWMSL laboratory.

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-----End of the Report-----



TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY**(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

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Sustainability

TEST REPORT

URL No:TC-1174925000000742F

Test Report No: RSIWMSL /CONR/25-26/09/0410

Page: 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:30.09.2025	Sample Condition	: Sample received in Good
Analysis Completion date	:30.09.2025	Sampling Procedure	: IS:11255 & SOP
Analysis Starting Date	:19.09.2025	Sample registration no	: RSIWMSL /25-26/09/Stack/0410
Sampling Date	:19.09.2025	Sample description/Code	: Stack Emission
Sample received Date	:20.09.2025	Sample Location	: Hot Oil Heater Stack
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

TEST RESULT

S.No.	Stack Details	
1	Diameter	3.41 m
2	Temperature	824 °K
3	Velocity	11.9 m/sec
4	Volume of Gas Discharged	1,39,337 Nm ³ /hr

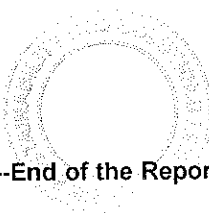
S.No.	Parameter	Unit	Test Method	Results	Limit as Per MOEF Notification (Max)
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	BDL(DL:5.0)	10
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	48	350
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	BDL(DL:5.0)	50
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	8.62	150
5	Carbon Dioxide as CO ₂	%		5.7	--
6	Oxygen as O ₂	%		2.64	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The reports results relate only to be samples Tested.
- The above emission results meet the standards as prescribed by MOEF Notification.
- Test reports shall not be reproduced in full or Part without the written approval of the RSIWMSL laboratory.

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-----End of the Report-----



TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY

(A Division of Re Sustainability Limited)

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



Sustainability

TEST REPORT

URL No:TC-1174925000000739F

Test Report No: RSIWMSL /CONR/25-26/09/0407

Page: 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:30.09.2025	Sample Condition	: Sample received in Good
Analysis Completion date	:30.09.2025	Sampling Procedure	: IS:11255 & SOP
Analysis Starting Date	:19.09.2025	Sample registration no	: RSIWMSL /25-26/09/Stack/0407
Sampling Date	:19.09.2025	Sample description/Code	: Stack Emission
Sample received Date	:20.09.2025	Sample Location	: Hydrotreater Heater Stack
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

TEST RESULT

S.No.	Stack Details	
1	Diameter	0.69 m
2	Temperature	497 °K
3	Velocity	6.41 m/sec
4	Volume of Gas Discharged	5089 Nm ³ /hr

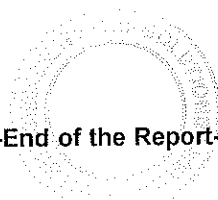
S.No.	Parameter	Unit	Test Method	Results	Limit as Per MOEF Notification (Max)
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	BDL(DL:5.0)	10
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	50	350
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	5.0	50
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	2.2	150
5	Carbon Dioxide as CO ₂	%		4.8	--
6	Oxygen as O ₂	%		2.57	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The reports results relate only to be samples Tested.
- The above emission results meet the standards as prescribed by MOEF Notification.
- Test reports shall not be reproduced in full or Part without the written approval of the RSIWMSL laboratory.

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-----End of the Report-----

**RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY****(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



Sustainability

TEST REPORT

URL No:TC-1174925000000743F

Test Report No: RSIWMSL /CONR/25-26/09/0411

Page: 1 of 1

Discipline: Chemical

Group: Atmospheric Pollution

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:30.09.2025	Sample Condition	: Sample received in Good
Analysis Completion date	:30.09.2025	Sampling Procedure	: IS:11255 & SOP
Analysis Starting Date	:19.09.2025	Sample registration no	: RSIWMSL /25-26/09/Stack/0411
Sampling Date	:19.09.2025	Sample description/Code	: Stack Emission
Sample received Date	:20.09.2025	Sample Location	: PACOL Heater Stack
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

TEST RESULT

S.No.	Stack Details	
1	Diameter	1.1 m
2	Temperature	1028 °K
3	Velocity	16.67 m/sec
4	Volume of Gas Discharged	16275 Nm ³ /hr

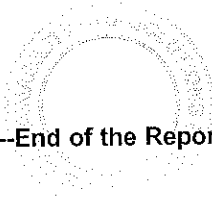
S.No.	Parameter	Unit	Test Method	Results	Limit as Per MOEF Notification (Max)
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	BDL(DL:5.0)	10
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	43	350
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	BDL(DL:5.0)	50
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	19.5	150
5	Carbon Dioxide as CO ₂	%		4.3	--
6	Oxygen as O ₂	%		2.12	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

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- The above emission results meet the standards as prescribed by MOEF Notification.
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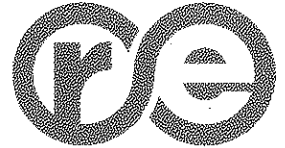


Authorized Signatory

-----End of the Report-----



TC-11749



Sustainability

TEST REPORT

URL No:TC-1174925000000744F

Test Report No: RSIWMSL /CON/25-26/09/0412

Page: 1 of 2

Discipline: Chemical

Group : Water

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/WW/0412
Sampling Date	:29.09.2025	Sample description/Code	: Bore well water
Sample received Date	:30.09.2025	Sample Location	: Test Bore - 1
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result
1	Colour	Hazen	APHA 24 th Edition; 2121B: 2023	10
2	Odour	-	IS 3025:Part 5 : 2018	Agreeable
3	Temperature	°C	APHA 24 th Edition 2550 B : 2023	25.0
4	pH Value @ 25°C	-	APHA 24 th Edition 4500 H ⁺ B : 2023	7.05
5	Taste	-	APHA 24 th Edition 2160 C : 2023	Disagreeable
6	Conductivity @ 25°C	µS/cm	APHA 24 th Edition; 2510 B: 2023	2637
7	Total Dissolved Solids @ 180°C	mg/L	APHA 24 th Edition; 2540 C: 2023	1582
8	Aluminium as Al	mg/L	IS 3025 Part 55 : 2003	BDL(DL:0.02)
9	Calcium as Ca	mg/L	APHA 24 th Edition; 3500-Ca B: 2023	46
10	Chlorides as Cl	mg/L	APHA 24 th Edition; 4500-Cl B: 2023	649.8
11	Copper as Cu	mg/L	IS 3025 Part 42:2024	0.174
12	Fluoride as F-	mg/L	APHA 24 th Edition; 4500- F D: 2023	0.36
13	Free residual chlorine	mg/L	APHA 24 th Edition 4500-CIO2 B	BDL(DL:0.5)
14	Iron as Fe	mg/L	APHA 24 th Edition; 3500-Fe B: 2023	0.36
15	Magnesium as Mg	mg/L	APHA 24 th Edition; 3500-Mg B: 2023	14.0
16	Manganese as Mn	mg/L	APHA 24 th Edition; 3111 B: 2023	0.575
17	Nitrate as NO ₃	mg/L	APHA 24 th Edition 4500-NO ³ B : 2023	4.16
18	Sulphate as SO ₄	mg/L	APHA 24 th Edition 4500-SO ₄ E : 2023	149.7
19	Total alkalinity as CaCO ₃	mg/L	APHA 24 th Edition; 2320 B: 2023	136
20	Total hardness as CaCO ₃	mg/L	APHA 24 th Edition; 2340 C: 2023	173

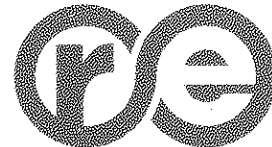
Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)

**RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY****(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



TC-11749

URL No:TC-1174925000000744F

Test Report No: RSIWMSL /CON/25-26/09/0412

Page: 2 of 2


Sr.No	Parameters	Unit	Method	Result
21	Zinc as Zn	mg/L	APHA 24 th Edition; 3111 B: 2023	0.231
22	Cadmium as Cd	mg/L	APHA 24 th Edition; 3111 B: 2023	BDL(DL:0.01)
23	Lead as Pb	mg/L	APHA 24 th Edition; 3111 B: 2023	0.055
24	Mercury as Hg	mg/L	APHA 24 th Edition; 3112 B: 2023	BDL(DL:0.001)
25	Total arsenic as As	mg/L	APHA 24 th Edition; 3114 B: 2023	BDL(DL:0.002)
26	Total chromium as Cr	mg/L	APHA 24 th Edition; 3111 B: 2023	0.018
27	Sodium as Na	mg/L	APHA 24 th Edition; 3500-Na B: 2023	395
28	Dissolved Oxygen	mg/L	APHA 24 th Edition 4500- O B C: 2023	6.7
29	Bio Chemical oxygen Demand (3 days @27°C)	mg/L	IS 3025 Part 44:2023	6.0
30	Chemical Oxygen Demand	mg/L	APHA 24 th Edition 5220 B	48.5
Microbiology				
31	Total coliforms	MPN/100ml	IS 1622:1981	<2
32	Fecal coliforms	MPN/100ml	IS 1622:1981	<2


Note: BDL – Below Detection Limit, DL – Detection Limit, MPN – Most Probable Number

<2 MPN Can be considered as absent

Remarks:

- Reports pertained only to the collected sample
- Test reports shall not be reproduced except in full, without written approval of the laboratory.


Verified by
(S.Shanmugam)


Authorized Signatory - Biological
(S.Rajesh)


Authorized Signatory - Chemical
(S.Subba Reddy)

-----End of the Report-----



TEST REPORT

Test Report No: RSIWMSL /CON/25-26/09/0412

Discipline: Chemical

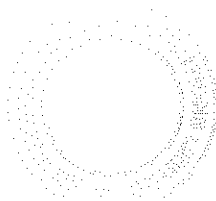
Group: Water


NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/WW/0412
Sampling Date	:29.09.2025	Sample description/Code	: Borewell water
Sample received Date	:30.09.2025	Sample Location	: Test Bore - 1
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result
1	Turbidity	NTU	APHA 24 th Edition 2130 B : 2023	4.1
2	Salinity	-	APHA 24 th Edition 2520 B : 2023	1.17
3	Silver	mg/L	APHA 24 th Edition; 3111 B: 2023	BDL (DL: 0.1)


Verified by
(S. Shanmugam)




Authorized Signatory - Chemical
(S. Subba Reddy)

-----End of the Report-----



TC-11749



Sustainability

TEST REPORT

URL No:TC-1174925000000745F

Test Report No: RSIWMSL /CON/25-26/09/0413

Page: 1 of 2

Discipline: Chemical

Group: Water

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/W/0413
Sampling Date	:29.09.2025	Sample description/Code	: Bore well water
Sample received Date	:30.09.2025	Sample Location	: Test Bore - 2
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result
1	Colour	Hazen	APHA 24 th Edition; 2121B: 2023	10
2	Odour	-	IS 3025:Part 5 : 2018	Agreeable
3	Temperature	°C	APHA 24 th Edition 2550 B : 2023	25.6
4	pH Value @ 25°C	-	APHA 24 th Edition 4500 H ⁺ B : 2023	7.32
5	Taste	-	APHA 24 th Edition 2160 C : 2023	Disagreeable
6	Conductivity @ 25°C	µS/cm	APHA 24 th Edition; 2510 B: 2023	2780
7	Total Dissolved Solids @ 180°C	mg/L	APHA 24 th Edition; 2540 C: 2023	1668
8	Aluminium as Al	mg/L	IS 3025 Part 55 : 2003	4.208
9	Calcium as Ca	mg/L	APHA 24 th Edition; 3500-Ca B: 2023	133.7
10	Chlorides as Cl	mg/L	APHA 24 th Edition; 4500-Cl B: 2023	674.8
11	Copper as Cu	mg/L	IS 3025 Part 42:2024	0.039
12	Fluoride as F-	mg/L	APHA 24 th Edition; 4500- F D: 2023	0.25
13	Free residual chlorine	mg/L	APHA 24 th Edition 4500-CIO ₂ B	BDL(DL:0.5)
14	Iron as Fe	mg/L	APHA 24 th Edition; 3500-Fe B: 2023	0.23
15	Magnesium as Mg	mg/L	APHA 24 th Edition; 3500-Mg B: 2023	11.2
16	Manganese as Mn	mg/L	APHA 24 th Edition; 3111 B: 2023	1.090
17	Nitrate as NO ₃	mg/L	APHA 24 th Edition 4500-NO ₃ B : 2023	6.13
18	Sulphate as SO ₄	mg/L	APHA 24 th Edition 4500-SO ₄ E : 2023	210.8
19	Total alkalinity as CaCO ₃	mg/L	APHA 24 th Edition; 2320 B: 2023	329.0
20	Total hardness as CaCO ₃	mg/L	APHA 24 th Edition; 2340 C: 2023	379.5

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY
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Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



Sustainability
Page: 2 of 2

URL No:TC-1174925000000745F

Test Report No: RSIWMSL /CON/25-26/09/0413


Sr.No	Parameters	Unit	Method	Result
21	Zinc as Zn	mg/L	APHA 24 th Edition; 3111 B: 2023	0.187
22	Cadmium as Cd	mg/L	APHA 24 th Edition; 3111 B: 2023	BDL(DL:0.01)
23	Lead as Pb	mg/L	APHA 24 th Edition; 3111 B: 2023	0.105
24	Mercury as Hg	mg/L	APHA 24 th Edition; 3112 B: 2023	BDL(DL:0.001)
25	Total arsenic as As	mg/L	APHA 24 th Edition; 3114 B: 2023	0.013
26	Total chromium as Cr	mg/L	APHA 24 th Edition; 3111 B: 2023	0.060
27	Sodium as Na	mg/L	APHA 24 th Edition; 3500-Na B: 2023	417
28	Dissolved Oxygen	mg/L	APHA 24 th Edition 4500- O B C: 2023	6.5
29	Bio Chemical oxygen Demand (3 days @27°C)	mg/L	IS 3025 Part 44:2023	5.0
30	Chemical Oxygen Demand	mg/L	APHA 24 th Edition 5220 B	39.0
Microbiology				
31	Total coliforms	MPN/100ml	IS 1622:1981	<2
32	Fecal coliforms	MPN/100ml	IS 1622:1981	<2

Note: BDL – Below Detection Limit, DL – Detection Limit, MPN– Most Probable Number
<2 MPN Can be considered as absent

Remarks:

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(S.Shanmugam)


Authorized Signatory - Biological
(S.Rajesh)


Authorized Signatory - Chemical
(S.Subba Reddy)



TEST REPORT

Test Report No: RSIWMSL /CON/25-26/09/0413

Page: 1 of 1

Discipline: Chemical

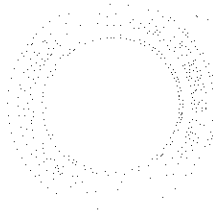
Group: Water

NAME AND ADDRESS OF THE CLIENT	M/S.Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	--------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/W/0413
Sampling Date	:29.09.2025	Sample description/Code	: Bore well water
Sample received Date	:30.09.2025	Sample Location	: Test Bore - 2
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result
1	Turbidity	NTU	APHA 24 th Edition 2130 B : 2023	6.6
2	Salinity	-	APHA 24 th Edition 2520 B : 2023	1.22
3	Silver	mg/L	APHA 24 th Edition; 3111 B: 2023	BDL(DL:0.1)


Verified by
(S.Shanmugam)




Authorized Signatory - Chemical
(S.Subba Reddy)

-----End of the Report-----



TC-11749



Sustainability

TEST REPORT

URL No:TC-1174925000000746F

Test Report No: RSIWMSL /CON/25-26/09/0414

Page: 1 of 2

Discipline: Chemical

Group: Pollution & Environment

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/WW/0414
Sampling Date	:29.09.2025	Sample description/Code	: Waste water
Sample received Date	:30.09.2025	Sample Location	: ETP Inlet water
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result
1	Colour	Hazen	APHA 24 th EDN 2120 B: 2023	25
2	Odour	-	IS 3025:Part 5 :2018	Disagreeable
3	Temperature	°C	APHA 24 th Edition 2550 B:2023	25.3
4	pH Value @ 25°C	-	APHA 24 th EDN 4500 H ⁺ B: 2023	8.05
5	Total Suspended solids	mg/L	APHA 24 th EDN 2540 D: 2023	174
6	Particle size of suspended particle (shall pass through 850 microns IS Sieve)	-	RSIWMSL/LAB_SOP-029	Pass
7	Total Dissolved Solids	mg/L	APHA 24 th EDN 2540,C: 2023	1572
8	Oil & grease	mg/L	APHA 24 th EDN 5520 B: 2023	55
9	Ammonical Nitrogen as N	mg/L	APHA 24 th Edition 4500-NH ₃ B & C	2.90
10	Chlorides as Cl	mg/L	APHA 24 th EDN 4500 Cl ⁻ B: 2023	569.8
11	Copper as Cu	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.5)
12	Fluoride as F ⁻	mg/L	APHA 24 th Edition 4500- F B,D:2023	1.65
13	Free residual chlorine	mg/L	APHA 24 th Edition 4500-CIO ₂ B	BDL(DL:0.5)
14	Total Kjeldhal Nitrogen	mg/L	APHA 24 th Edition 4500-Norg C	5.92
15	Free ammonia	mg/L	APHA 24 th Edition 4500-NH ₃ - F	2.45
16	Boron as B	mg/L	APHA 24 th Edition 4500- B B:2023	BDL(DL:1.0)
17	Nickel as Ni	mg/L	APHA 24 th Edition 3111 B : 2023	0.276
18	Sulphates as SO ₄	mg/L	APHA 24 th EDN 4500 SO ₄ ²⁻ ,E : 2023	202.8
19	Percent sodium	%	RSIWMSL/LAB_SOP 019	67.9
20	Residual sodium carbonate	meq/L	RSIWMSL/LAB_SOP-057	BDL(DL:1.0)

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)

**RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY****(A Division of Re Sustainability Limited)**

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



TC-11749 No:TC-117492500000746F

Test Report No: RSIWMSL /CON/25-26/09/0414

Page: 2 of 2

S.No	Parameters	Unit	Method	Result
21	Zinc as Zn	mg/L	APHA 24 th Edition 3111 B : 2023	1.06
22	Cadmium as Cd	mg/L	APHA 24 th Edition 3111 B : 2023	BDL(DL:0.1)
23	Lead as Pb	mg/L	APHA 24 th Edition 3111 B : 2023	0.110
24	Mercury as Hg	mg/L	APHA 24 th Edition 3112 B:2023	BDL(DL:0.005)
25	Total arsenic as As	mg/L	APHA 24 th Edition 3114 B:2023	BDL(DL:0.002)
26	Total chromium as Cr	mg/L	APHA 24 th Edition 3111 B : 2023	BDL(DL:0.5)
27	Selenium as Se	mg/L	APHA 24 th Edition 3114 C:2023	BDL(DL:0.005)
28	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 24 th Edition 3500-Cr B:2023	BDL(DL:0.05)
29	Bio Chemical oxygen Demand 3 days @27°C	mg/L	IS: 3025 (part 44): 2023	85.0
30	Chemical Oxygen Demand	mg/L	APHA 24 th EDN 5220 B:2023	543.6
31	Total Cyanides as CN-	mg/L	APHA 24 th Edition 4500-CN C:2023	BDL(DL:0.01)
32	Phenolic Compounds as C ₆ H ₅ OH	mg/L	APHA 24 th Edition 5530 B & D:2023	BDL(DL:1.0)
33	Sulphide as S ²⁻	mg/L	APHA 24 th Edition 4500-S ²⁻ F:2023	BDL(DL:1.0)
34	Dissolved Phosphates as P	mg/L	APHA 24 th Edition 4500-P B & C:2023	0.75
35	Pesticides			
	4,4 DDD	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	4,4 DDE	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	4,4DDT	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Aldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Alpha-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Beta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Delta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Dieldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Endosulfan I(Alpha)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Endosulfan II(Beta)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Endrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Endrin aldehyde	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Ethion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Malathion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)
	Paration	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)

Note: BDL – Below Detection Limit, DL – Detection Limit**Remarks:**

- Reports pertained only to the collected sample
- Test reports shall not be reproduced except in full, without written approval of the laboratory.

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



Sustainability

TEST REPORT

Test Report No: RSIWMSL /CON/25-26/09/0414

Page: 1 of 1

Discipline: Chemical

Group: Pollution & Environment

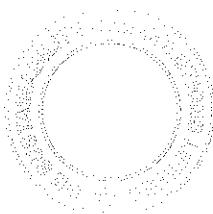
NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date :10.10.2025 Sample Condition : Sample received in Plastic Can-5 Ltr
Analysis Completion date :10.10.2025 Sampling Procedure : RSIWMSL/LAB_SOP-001
Analysis Starting Date :30.09.2025 Sample registration no : RSIWMSL /25-26/09/WW/0414
Sampling Date :29.09.2025 Sample description/Code : Waste water
Sample received Date :30.09.2025 Sample Location : ETP Inlet water
Sub-Contracting of Tests : NA Sample Collected by : Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1.	Pesticides				Absent
	Alachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Atrazine	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Butachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	chlorpyrifos	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	2,4 dichlorophenoxy acetic acid	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	isoproturon	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	monocrotophos	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	phorate	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
2.	Radioactivity material				
	Alpha Emitters	micro curie/ml	IS 41494 Part 2 : 2022	BDL(DL:1 X 10 ⁻⁷)	1 X 10 ⁻⁷
	Beta Emitters	micro curie/ml	IS 41494 Part 1 : 2022	BDL(DL: 1 X 10 ⁻⁶)	1 X 10 ⁻⁶

Note: BDL – Below Detection Limit, DL – Detection Limit

Verified by
(S.Shanmugam)



Authorized Signatory - Chemical
(S.Subba Reddy)

-----End of the Report-----



TEST REPORT

TC-11749

URL No:TC-1174925000000747F

Test Report No: RSIWMSL /CON/25-26/09/0415

Discipline: Chemical

Group: Pollution & Environment

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/WW/0415
Sampling Date	:29.09.2025	Sample description/Code	: Waste water
Sample received Date	:30.09.2025	Sample Location	: ETP outlet water
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1	Colour	Hazen	APHA 24 th Edition 2120 B:2023	15	-
2	Odour	-	IS 3025 :Part 5 : 2018	Disagreeable	-
3	Temperature	°C	APHA 24 th Edition 2550 B:2023	25.7	40°C
4	pH Value @ 25°C	-	APHA 24 th Edition 4500-H+ B:2023	6.65	5.5 – 9.0
5	Total Suspended solids	mg/L	APHA 24 th EDN 2540 D: 2023	37.6	100
6	Particle size of suspended particle (shall pass through 850 microns IS Sieve)	-	RSIWMSL/LAB_SOP-029	Pass	Shall pass through 850 microns IS Sieve
7	Total Dissolved Solids	mg/L	APHA 24 th Edition 2540 C:2023	1290	2100
8	Oil & grease	mg/L	APHA 24 th Edition 5520 B:2023	7.6	10
9	Ammonical Nitrogen as N	mg/L	APHA 24 th Edition 4500 NH3 - B & C	14.48	50
10	Chlorides as Cl	mg/L	APHA 24 th Edition 4500-Cl B:2023	439.9	1000
11	Copper as Cu	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.5)	3.0
12	Fluoride as F ⁻	mg/L	APHA 24 th Edition 4500- F B,D:2023	1.16	2.0
13	Free residual chlorine	mg/L	APHA 24 th Edition 4500-CLO2 B	BDL(DL:0.5)	1.0
14	Total Kjeldhal Nitrogen	mg/L	APHA 24 th Edition 4500-Norg C	17.24	100
15	Free ammonia	mg/L	APHA 24 th Edition 4500-NH3- F	1.23	5
16	Boron as B	mg/L	APHA 24 th Edition 4500- B B:2023	BDL(DL:1.0)	2.0
17	Nickel as Ni	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.2)	3.0
18	Sulphates as SO ₄	mg/L	APHA 24 th Edition 4500-SO4 E:2023	237	1000
19	Percent sodium	%	RSIWMSL/LAB_SOP 019	66.2	-
20	Residual sodium carbonate	meq/L	RSIWMSL/LAB_SOP-057	BDL(DL:1.0)	-

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY

(A Division of Re Sustainability Limited)

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



URL No:TC-1174925000000747F

Test Report No: RSIWMSL /CON/25-26/09/0415

Page: 2 of 2

Sustainability

S.No	Parameters	Unit	Method	Result	TNPCB Limits
21	Zinc as Zn	mg/L	APHA 24 th Edition 3111 B:2023	0.303	1.0
22	Cadmium as Cd	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.1)	2.0
23	Lead as Pb	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.05)	0.1
24	Mercury as Hg	mg/L	APHA 24 th Edition 3112 B:2023	BDL(DL:0.005)	0.01
25	Total arsenic as As	mg/L	APHA 24 th Edition 3114 B:2023	BDL(DL:0.002)	0.2
26	Total chromium as Cr	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.05)	2.0
27	Selenium as Se	mg/L	APHA 24 th Edition 3114 C:2023	BDL(DL:0.005)	0.05
28	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 24 th Edition 3500-Cr B:2023	BDL(DL:0.05)	0.1
29	Bio Chemical oxygen Demand 3 days @27°C	mg/L	IS 3025 (Part 44): 2023	25	30
30	Chemical Oxygen Demand	mg/L	APHA 24 th Edition 5220 B:2023	77.7	250
31	Total Cyanides as CN-	mg/L	APHA 24 th Edition 4500-CN C:2023	BDL(DL:0.01)	0.2
32	Phenolic Compounds as C ₆ H ₅ OH	mg/L	APHA 24 th Edition 5530 B & D:2023	BDL(DL:1.0)	1.0
33	Sulphide as S ²⁻	mg/L	APHA 24 th Edition 4500-S ²⁻ F:2023	BDL(DL:1.0)	2.0
34	Dissolved Phosphates as P	mg/L	APHA 24 th Edition 4500-P B & C:2023	0.23	5.0
35	Pesticides				Absent
	4,4 DDD	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	4,4 DDE	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	4,4DDT	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Aldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Alpha-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Beta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Delta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Dieldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endosulfan I(Alpha)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endosulfan II(Beta)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endrin aldehyde	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Ethion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Malathion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Paration	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- Reports pertained only to the collected sample
- Test reports shall not be reproduced expect in full, without written approval of the laboratory.

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



TEST REPORT

Test Report No: RSIWMSL /CON/25-26/09/0415

Discipline: Chemical

Group: Pollution & Environment

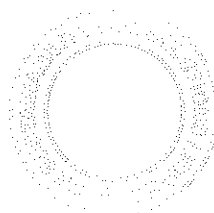
NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date :10.10.2025 Sample Condition : Sample received in Plastic Can-5 Ltr
Analysis Completion date :10.10.2025 Sampling Procedure : RSIWMSL/LAB_SOP-001
Analysis Starting Date :30.09.2025 Sample registration no : RSIWMSL /25- 6/09/WW/0415
Sampling Date :29.09.2025 Sample description/Code : Waste water
Sample received Date :30.09.2025 Sample Location : ETP outlet water
Sub-Contracting of Tests Radioactivity Sample Collected by : Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1.	Pesticides				Absent
	Alachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Atrazine	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Butachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	chlorpyrifos	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	2,4 dichlorophenoxy acetic acid	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	isoproturon	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	monocrotophos	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	phorate	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
2.	Radioactivity material				
	Alpha Emitters	micro curie/ml	IS 41494 Part 2 : 2022	BDL(DL:1 X 10 ⁻⁷)	1 X 10 ⁻⁷
	Beta Emitters	micro curie/ml	IS 41494 Part 1 : 2022	BDL(DL: 1 X 10 ⁻⁶)	1 X 10 ⁻⁶

Note: BDL – Below Detection Limit, DL – Detection Limit


Verified by
(S.Shanmugam)




Authorized Signatory - Chemical
(S.Subba Reddy)

-----End of the Report-----



TC-11749

URL No:TC-117492500000748F

Test Report No: RSIWMSL /CON/25-26/09/0416

Sustainability

Page: 1 of 2

Discipline: Chemical

Group: Pollution & Environment

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/WW/0416
Sampling Date	:29.09.2025	Sample description/Code	: Waste water
Sample received Date	:30.09.2025	Sample Location	: RO Permeate
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1	Colour	Hazen	APHA 24 th Edition 2120 B:2023	10	-
2	Odour	-	IS 3025 :Part 5 :2018	Agreeable	-
3	Temperature	°C	APHA 24 th Edition 2550 B:2023	25.6	40°C
4	pH value @ 25°C	-	APHA 24 th Edition 4500-H+ B:2023	6.05	5.5 – 9.0
5	Total Suspended solids	mg/L	APHA 24 th EDN 2540 D: 2023	BDL(DL:5.0)	100
6	Particle size of suspended particle (shall pass through 850 microns IS Sieve)	-	RSIWMSL/LAB_SOP-029	Pass	Shall pass through 850 microns IS Sieve
7	Total Dissolved Solids	mg/L	APHA 24 th Edition 2540 C:2023	747	2100
8	Oil & grease	mg/L	APHA 24 th Edition 5520 B:2023	BDL(DL:5.0)	10
9	Ammonical Nitrogen as N	mg/L	APHA 24 th Edition 4500 NH3 - B & C	9.87	50
10	Chlorides as Cl	mg/L	APHA 24 th Edition 4500-Cl B:2023	255	1000
11	Copper as Cu	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.5)	3.0
12	Fluoride as F ⁻	mg/L	APHA 24 th Edition 4500- F B,D:2023	0.65	2.0
13	Free residual chlorine	mg/L	APHA 24 th Edition 4500-ClO2 B	BDL(DL:0.5)	1.0
14	Total Kjeldhal Nitrogen	mg/L	APHA 24 th Edition 4500-Norg C	11.2	100
15	Free ammonia	mg/L	APHA 24 th Edition 4500-NH3- F	0.94	5
16	Boron as B	mg/L	APHA 24 th Edition 4500- B B:2023	BDL(DL:1.0)	2.0
17	Nickel as Ni	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.2)	3.0
18	Sulphates as SO ₄	mg/L	APHA 24 th Edition 4500-SO4 E:2023	25.4	1000
19	Percent sodium	%	RSIWMSL/LAB_SOP 019	80.7	-
20	Residual sodium carbonate	meq/L	RSIWMSL/LAB_SOP-057	BDL(DL:1.0)	-

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY

(A Division of Re Sustainability Limited)

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



URL No: TC-117492500000748F

Test Report No: RSIWMSL /CON/25-26/09/0416

Page: 2 of 2
Sustainability

S.No	Parameters	Unit	Method	Result	TNPCB Limits
21	Zinc as Zn	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.1)	1.0
22	Cadmium as Cd	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.1)	2.0
23	Lead as Pb	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.05)	0.1
24	Mercury as Hg	mg/L	APHA 24 th Edition 3112 B:2023	BDL(DL:0.005)	0.01
25	Total arsenic as As	mg/L	APHA 24 th Edition 3114 B:2023	BDL(DL:0.002)	0.2
26	Total chromium as Cr	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.05)	2.0
27	Selenium as Se	mg/L	APHA 24 th Edition 3114 C:2023	BDL(DL:0.005)	0.05
28	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 24 th Edition 3500-Cr B:2023	BDL(DL:0.05)	0.1
29	Bio Chemical oxygen Demand 3 days @27°C	mg/L	IS 3025 (Part 44): 2023	BDL(DL:4.0)	30
30	Chemical Oxygen Demand	mg/L	APHA 24 th Edition 5220 B:2023	BDL(DL:10.0)	250
31	Total Cyanides as CN-	mg/L	APHA 24 th Edition 4500-CN C:2023	BDL(DL:0.01)	0.2
32	Phenolic Compounds as C ₆ H ₅ OH	mg/L	APHA 24 th Edition 5530 B & D:2023	BDL(DL:1.0)	1.0
33	Sulphide as S ²⁻	mg/L	APHA 24 th Edition 4500-S ²⁻ F:2023	BDL(DL:1.0)	2.0
34	Dissolved Phosphates as P	mg/L	APHA 24 th Edition 4500-P B & C:2023	BDL(DL:0.1)	5.0
35	Pesticides				Absent
	4,4 DDD	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	4,4 DDE	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	4,4DDT	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Aldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Alpha-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Beta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Delta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Dieldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endosulfan I(Alpha)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endosulfan II(Beta)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endrin aldehyde	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Ethion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Malathion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Paration	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-

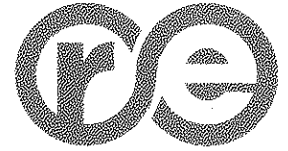
Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- Reports pertained only to the collected sample
- Test reports shall not be reproduced expect in full, without written approval of the laboratory.

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



TEST REPORT

Test Report No: RSIWMSL /CON/25-26/09/0416

Discipline: Chemical

Group: Pollution & Environment

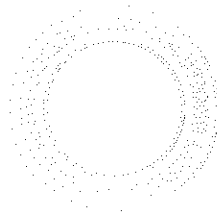
NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25- 6/09/WW/0416
Sampling Date	:29.09.2025	Sample description/Code	: Waste water
Sample received Date	:30.09.2025	Sample Location	: RO Permeate
Sub-Contracting of Tests	Radioactivity	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1.	Pesticides				Absent
	Alachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Atrazine	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Butachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	chlorpyrifos	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	2,4 dichlorophenoxy acetic acid	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	isoproturon	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	monocrotophos	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	phorate	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
2.	Radioactivity material				
	Alpha Emitters	micro curie/ml	IS 41494 Part 2 : 2022	BDL(DL:1 X 10 ⁻⁷)	1 X 10 ⁻⁷
	Beta Emitters	micro curie/ml	IS 41494 Part 1 : 2022	BDL(DL: 1 X 10 ⁻⁶)	1 X 10 ⁻⁶

Note: BDL – Below Detection Limit, DL – Detection Limit


Verified by
(S.Shanmugam)




Authorized Signatory - Chemical
(S.Subba Reddy)

-----End of the Report-----



TC-11749

RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY

(A Division of Re Sustainability Limited)

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



TEST REPORT

Sustainability

Page: 1 of 2

URL No:TC-117492500000749F

Test Report No: RSIWMSL /CON/25-26/09/0417

Discipline: Chemical

Group: Pollution & Environment

NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
--------------------------------	---------------------------------------------------------------------------------------------------------

Report Date	:10.10.2025	Sample Condition	: Sample received in Plastic Can-5 Ltr
Analysis Completion date	:10.10.2025	Sampling Procedure	: RSIWMSL/LAB_SOP-001
Analysis Starting Date	:30.09.2025	Sample registration no	: RSIWMSL /25-26/09/WW/0417
Sampling Date	:29.09.2025	Sample description/Code	: Waste water
Sample received Date	:30.09.2025	Sample Location	: RO Reject
Sub-Contracting of Tests	: NA	Sample Collected by	: Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1	Colour	Hazen	APHA 24 th Edition 2120 B:2023	25	-
2	Odour	-	IS 3025 :Part 5 : 2018	Agreeable	-
3	Temperature	°C	APHA 24 th Edition 2550 B:2023	25.8	40°C
4	pH value @ 25°C	-	APHA 24 th Edition 4500-H+ B:2023	6.81	5.5 – 9.0
5	Total Suspended solids	mg/L	APHA 24 th EDN 2540 D: 2023	5.2	100
6	Particle size of suspended particle (shall pass through 850 microns IS Sieve)	-	RSIWMSL/LAB_SOP-029	Pass	Shall pass through 850 microns IS Sieve
7	Total Dissolved Solids	mg/L	APHA 24 th Edition 2540 C:2023	1972	2100
8	Oil & grease	mg/L	APHA 24 th Edition 5520 B:2023	BDL(DL:5.0)	10
9	Ammonical Nitrogen as N	mg/L	APHA 24 th Edition 4500 NH3 - B & C	18.42	50
10	Chlorides as Cl	mg/L	APHA 24 th Edition 4500-Cl B:2023	809	1000
11	Copper as Cu	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.5)	3.0
12	Fluoride as F ⁻	mg/L	APHA 24 th Edition 4500- F B,D:2023	0.72	2.0
13	Free residual chlorine	mg/L	APHA 24 th Edition 4500-CIO2 B	BDL(DL:0.5)	1.0
14	Total Kjeldhal Nitrogen	mg/L	APHA 24 th Edition 4500-Norg C	20.40	100
15	Free ammonia	mg/L	APHA 24 th Edition 4500-NH3- F	0.98	5
16	Boron as B	mg/L	APHA 24 th Edition 4500- B B:2023	BDL(DL:1.0)	2.0
17	Nickel as Ni	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.2)	3.0
18	Sulphates as SO ₄	mg/L	APHA 24 th Edition 4500-SO4 E:2023	504.9	1000
19	Percent sodium	%	RSIWMSL/LAB_SOP 019	77.7	-
20	Residual sodium carbonate	meq/L	RSIWMSL/LAB_SOP-057	BDL(DL:1.0)	-

Verified by
(S.Shanmugam)

Authorized Signatory - Chemical
(S.Subba Reddy)



RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY

(A Division of Re Sustainability Limited)

Plot No: 5-15, 28-33, SIPCOT Industrial Complex, Gummidipoondi-601201.

Phone: +91 9677122694, E-mail: laboratorytnwml@resustainability.com



TC-11749

URL No:TC-117492500000749F

Test Report No: RSIWMSL /CON/25-26/09/0417

Sustainability
Page: 2 of 2

S.No	Parameters	Unit	Method	Result	TNPCB Limits
21	Zinc as Zn	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.1)	1.0
22	Cadmium as Cd	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.1)	2.0
23	Lead as Pb	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.05)	0.1
24	Mercury as Hg	mg/L	APHA 24 th Edition 3112 B:2023	BDL(DL:0.005)	0.01
25	Total arsenic as As	mg/L	APHA 24 th Edition 3114 B:2023	BDL(DL:0.002)	0.2
26	Total chromium as Cr	mg/L	APHA 24 th Edition 3111 B:2023	BDL(DL:0.05)	2.0
27	Selenium as Se	mg/L	APHA 24 th Edition 3114 C:2023	BDL(DL:0.005)	0.05
28	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 24 th Edition 3500-Cr B:2023	BDL(DL:0.05)	0.1
29	Bio Chemical oxygen Demand 3 days @27°C	mg/L	IS 3025 (Part 44) : 2023	7.2	30
30	Chemical Oxygen Demand	mg/L	APHA 24 th Edition 5220 B:2023	97.1	250
31	Total Cyanides as CN-	mg/L	APHA 24 th Edition 4500-CN C:2023	BDL(DL:0.01)	0.2
32	Phenolic Compounds as C ₆ H ₅ OH	mg/L	APHA 24 th Edition 5530 B & D:2023	BDL(DL:1.0)	1.0
33	Sulphide as S ²⁻	mg/L	APHA 24 th Edition 4500-S ²⁻ F:2023	BDL(DL:1.0)	2.0
34	Dissolved Phosphates as P	mg/L	APHA 24 th Edition 4500-P B & C:2023	0.25	5.0
35	Pesticides				Absent
	4,4 DDD	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	4,4 DDE	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	4,4DDT	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Aldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Alpha-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Beta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Delta-BHC	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Dieldrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endosulfan I(Alpha)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endosulfan II(Beta)	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endrin	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Endrin aldehyde	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Ethion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Malathion	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-
	Paration	µg/L	USEPA 3510 C & 8270 C	BDL(DL:0.01)	-

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- Reports pertained only to the collected sample
- Test reports shall not be reproduced expect in full, without written approval of the laboratory.


Verified by
(S.Shanmugam)


Authorized Signatory - Chemical
(S.Subba Reddy)



TEST REPORT

Test Report No: RSIWMSL /CON/25-26/09/0417

Discipline: Chemical

Group: Pollution & Environment

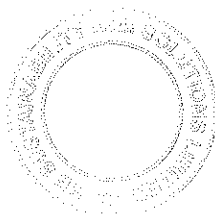
NAME AND ADDRESS OF THE CLIENT	M/S. Tamilnadu Petro Products Ltd, (LAB Plant) Manali Express Highway, Manali, Chennai – 600 068.
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Report Date :10.10.2025 Sample Condition : Sample received in Plastic Can-5 Ltr
Analysis Completion date :10.10.2025 Sampling Procedure : RSIWMSL/LAB_SOP-001
Analysis Starting Date :30.09.2025 Sample registration no : RSIWMSL /25- 6/09/WW/0417
Sampling Date :29.09.2025 Sample description/Code : Waste water
Sample received Date :30.09.2025 Sample Location : RO Reject
Sub-Contracting of Tests Radioactivity Sample Collected by : Re Sustainability IWM Solutions Ltd

Sr.No	Parameters	Unit	Method	Result	TNPCB Limits
1.	Pesticides				Absent
	Alachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Atrazine	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	Butachlor	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	chlorpyrifos	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	2,4 dichlorophenoxy acetic acid	µg/L	RSIWMSL/LAB_SOP-032	BDL(DL:0.01)	-
	isoproturon	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	monocrotophos	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
	phorate	µg/L	RSIWMSL/LAB_SOP-033	BDL(DL:0.01)	-
2.	Radioactivity material				
	Alpha Emitters	micro curie/ml	IS 41494 Part 2 : 2022	BDL(DL:1 X 10 ⁻⁷)	1 X 10 ⁻⁷
	Beta Emitters	micro curie/ml	IS 41494 Part 1 : 2022	BDL(DL: 1 X 10 ⁻⁶)	1 X 10 ⁻⁶

Note: BDL – Below Detection Limit, DL – Detection Limit


Verified by
(S. Shanmugam)




Authorized Signatory - Chemical
(S. Subba Reddy)

-----End of the Report-----

18 Acres GB Area for TPI- LAB plant

While developing GB on Sep-2023



GB Status as on date NOV-2025





Smart Classroom provided to Village's School



Rest Room & Waiting Shed provided at Sathankadu



Green Belt 10 Acres developed at Morai Village, Tiruvallur District





Green Belt 2.11 Acres developed at Pandeswaram Village, Tiruvallur District







Green Belt developed at Grandlyon Village, Near Redhills





Tree & flower plantation developed on the banks of Korattur river





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.







