



By E-Mail Submission

RIL-NMD/HSE/ENV/2024-18

28th November 2024

To,

Additional Principal Chief Conservator of Forest
Ministry of Environment, Forests & Climate change
Regional Office, Western Central Zone,
New Secretariat Building, Civil Lanes,
NAGPUR-440001, Maharashtra.

Subject: Half Yearly EC Compliance report for the period April to September 2024

Ref: 1) EC granted by MoEF vide file no. J-11011/12/89- IA.II dt: 30.11.1989
& amended on 27.07.1990
2) EC granted for Expansion by SEIAA, Maharashtra vide File no.
SEAC-2013/CR- /TC-1 dt 05.09.2014.
3) EC granted for Expansion by MoEF&CC vide File no. J-11011/177/2015-IA-II (I)
dt. 02.05.2018.

Dear Sir,

Please find enclosed Half Yearly EC Compliance Report for the period **April to September 2024** for the Environmental clearances issued on 1989, 2014 & 2018 referred above. The soft copy of this compliance report will be submitted to your official mail ID.

- Ann-A : Half yearly Compliance report for EC issued on 1989 by MoEF
- Ann-B : Half yearly Compliance report for EC issued on 2014 by SEIAA, Maharashtra
- Ann-C : Half yearly Compliance report for EC issued on 2018 by MoEF&CC

This is for your information and records please.

Thanking you.

Yours faithfully,

RELIANCE INDUSTRIES LTD -NAGOTHANE MANUFACTURING DIVISION

SACHIN BHAGWAT
VICE PRESIDENT-HSEF

Encl: As above.

Copy to : 1) Sub-Regional Officer-II, MPCB , Raigad Dist, CBD Belapur, Navimumbai
2) CPCB – Western Regional Office, Vadodara, Gujarat

Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Expansion of MGCC Gas Cracker Complex- Environmental Clearance		
Name of Entity / Corporate Office	Reliance Industries Limited		
Village(s)	Benase		
District	RAIGAD		
Proposal No.	J-11011/12/89-IA.II/	Category	Industrial Projects - 2
Plot / Survey / Khasra No.		Sub-District	Pen
State	MAHARASHTRA	Entity's PAN	*****5055K
MoEF File No.	J-11011/12/89-IA.II/	Entity name as per PAN	RELIANCE INDUSTRIES LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Reliance Industries Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	598	598
Total	598	598

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Ethylene	Tons per Annum (TPA)	N/A	5,10,000	4,85,153	
2	Propylene	Tons per Annum (TPA)	N/A	70,000	17,576	
3	Ethylene Glycol	Tons per Annum (TPA)	N/A	70,000	28,642	
4	Ethylene Oxide	Tons per Annum (TPA)	N/A	60,000	58,515	
5	Linear Low Density Polyethylene (LLDPE) & High Density Polyethylene (HDPE)/Metallocene	Tons per Annum (TPA)	N/A	3,50,000	3,01,066	
6	Power	MW	N/A	100	59.12	
7	DM Water	Cu.M/Hr	N/A	400	245.47	
8	Nitrogen	Others:Nm3/Hour	N/A	21,200	8,027	
9	Polypropylene (PP)	Others:KTA	N/A	150	119.70	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Strict adherence to the stipulations made by State Pollution Control Board and the Government of Maharashtra.
<p>PPs Submission: Complied All the conditions given in latest Consent received from Maharashtra Pollution Control Board (MPCB) and Government of Maharashtra are complied.</p>		Date: 18/11/2024
2	MISCELLANEOUS	Supply of feedstock from Uran Terminal or any other source through the existing pipeline, is agreed to.
<p>PPs Submission: Complied Complied.</p>		Date: 18/11/2024
3	Statutory compliance	A revised Environmental impact Assessment Report and Environmental Management plan to be submitted for review to this Ministry within a period of six months from the date of issue of clearance letter. The revised EIA Report to cover identification, prediction and evaluation steps in all components of environment, viz. air, water, land, noise, biological and socio-economic. The socio-economic study should also cover the occupational health aspects.
<p>PPs Submission: Complied M/s Engineers India Limited (EIL) had prepared the revised EIA report in 1990 and the same was submitted to Ministry on 26.06.1990.</p>		Date: 18/11/2024
4	MISCELLANEOUS	Explore the possibility of product movement by pipeline and minimizing the road transport to the fullest extent possible.

<p>PPs Submission: Complied</p> <p>Most of the products manufactured at NMD are solid, thus transported by road. There are small scale consumers for liquid products such as EO/EG and hence it is also transported by road.</p>		<p>Date: 18/11/2024</p>
5	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>Gaseous emissions of Sulphur dioxide, oxides of nitrogen, etc. should not at any time exceed the maximum permissible prescribed level by the Central/ State Pollution Control Board. In the event of any failure or non-performance of any pollution control system adopted, the unit should be put out of operation immediately and should not be restarted until the control system is suitably rectified to achieve the desired efficiency.</p>
<p>PPs Submission: Complied</p> <p>Complied. Gaseous emissions have not exceeded permissible prescribed limits by CPCB/ MPCB. Stack monitoring is carried out through MoEF and CC approved 3rd party lab for all the stacks at site regularly. Also, Continuous Emission Monitoring systems (CEMS) is installed and connected to CPCB and MPCB. The analytical results of Stack Emission/ ambient air quality monitoring are submitted as Annexure - 1, and 2</p>		<p>Date: 18/11/2024</p>
6	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>The possibility of recycling liquid effluent to the maximum extent possible must be explored either for afforestation or for plant process. The treated effluent must conform to MINAS both in quality and quantity before its discharge through closed pipeline to a submerged discharging point in Amba creek.</p>
<p>PPs Submission: Complied</p> <p>The treated effluent is being reused for Horticulture activities and Fire water make up and excess if any, is disposed off in Dharamtar Creek at a point specified by NIO. The treated effluent analysis is being carried out internally on shift basis and on a monthly basis through MoEF and CC approved 3rd party lab. The analytical results of effluent were found within stipulated limits and the reports are submitted as Annexure- 3.</p>		<p>Date: 18/11/2024</p>
7	<p>WASTE MANAGEMENT</p>	<p>A solid wastes disposal plan will have to be prepared.</p>
<p>PPs Submission: Complied</p> <p>Complied. Solid waste management plan prepared and submitted along with Revised EIA report on 26.06.1990.</p>		<p>Date: 18/11/2024</p>
8	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>The project Authority must set up six air quality monitoring station in consultation with State Pollution Control Board at suitable locations in the plant and in the nearby areas. Monitoring should be done with the help of minimum continuous monitoring equipment. At no time, the emission level should be beyond the stipulated standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should be out of operation immediately to be restarted only after the control system is rectified to achieve the desired efficiency. The recorded data should be furnished to the State Pollution Control Board once in every three months and to this Ministry in every six months.</p>
<p>PPs Submission: Complied</p> <p>Complied. As specified in the EC, 6 ambient air quality monitoring stations are installed in the complex and out of which one station is Continuous AAQM station. Locations of these stations have been fixed in consultation with MPCB. All parameters as per NAAQS are being monitored at all these 6 stations. Emission levels are always well within the limits and the reports are submitted to MoEF and CC and MPCB regularly (Please refer Annexure-1 and 2)</p>		<p>Date: 18/11/2024</p>
9	<p>MISCELLANEOUS</p>	<p>Environmental risk analysis of various process operations should be carried out and report submitted within six months.</p>

<p>PPs Submission: Complied The same had been covered in M/s EIL's EIA report'1990.</p>		<p>Date: 18/11/2024</p>
10	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>The project Authority must set up adequate number of water quality monitoring stations in the coastal area in consultation with State Pollution Control Board to record long term impacts, if any. The recorded data must be furnished to the State Pollution Control Board once in very three months and to this Ministry once in every six months. if at any time effluent quality does not conform to the prescribed limit, the corresponding units of the plant which are contributing the excessive pollution loads shall be put out of operation till the quality of pollutant discharged from the unit is brought down to the required level.</p>
<p>PPs Submission: Complied Periodic monitoring of Amba estuary is being carried out annually by CSIR- National Institute of Oceanography since 1990 at the behest of RIL-NMD and report is being submitted to MPCB regularly. The treated effluent analysis is being carried out internally on daily basis and on a monthly basis through MoEF and CC approved 3rd party lab. The analytical results of treated effluent were found within stipulated limits and the reports are submitted as Annexure- 3.</p>		<p>Date: 18/11/2024</p>
11	<p>WASTE MANAGEMENT</p>	<p>The disposal of spent catalysts should be carefully regulated and they should not be mixed with other solid wastes for disposal in low lying areas. They may be sent back to the manufacturer for re-generation of safe disposal method evolved and records maintained for this purpose. The site selected for disposal of any spent catalysts should be thoroughly investigated from its likely impact on water and land resources in the region.</p>
<p>PPs Submission: Complied Spent catalyst when generated is being sent to CPCB/MPCB approved recyclers/ re-processor/ CHWTSDf. Spent catalysts are collected separately and stored in drums and these spent catalyst drums are stored in common Haz. waste storage yard before disposal to approved recyclers.</p>		<p>Date: 18/11/2024</p>
12	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>No change in stacks should be made without the prior approval of State Pollution Control Board. The minimum height of the major stacks must be 100 meters for proper dispersion of air pollutants.</p>
<p>PPs Submission: Complied The height of the stacks is as that given in the Consent to Operate.</p>		<p>Date: 18/11/2024</p>
13	<p>Noise Monitoring & Prevention</p>	<p>The project Authority should maintain noise and vibration level within the permissible limit to avoid occupational health hazard to the persons working within the plant.</p>
<p>PPs Submission: Complied Noise level (Leq) in and around the plant is maintained within the prescribed limits by means of adequate noise control measures. PPEs are provided to personnel working in high noise areas. The overall noise levels in and around the plant area are kept well within the standards. The Ambient noise monitoring data is submitted as Annexure 4.</p>		<p>Date: 18/11/2024</p>
14	<p>Human Health Environment</p>	<p>The standards laid down for occupational health of the workers should be adopted and followed. If Indian standards in this regard, for any specific pollutants are not available, the relevant standards of WHO/ ILO, etc. should be followed.</p>
<p>PPs Submission: Complied Periodic medical examination for all the employees is being conducted annually and records are</p>		<p>Date: 18/11/2024</p>

maintained as per the Factories Act.		
15	Risk Mitigation and Disaster Management	Proper safety precautions, fire hazards precautions should be constantly reviewed and updated.
PPs Submission: Complied Adequate safety and fire precautions taken to keep risks ALARP, and the same is reviewed and updated periodically. Revised Disaster Management Plan submitted to Ministry on 27-07-1992 Emergency Response and Contingency Plan reviewed and updated regularly, and updated plan are submitted to DISH.		Date: 18/11/2024
16	MISCELLANEOUS	The project Authority must provide infrastructure facilities (energy, water etc.) for the construction workers during construction period.
PPs Submission: Complied Complied.		Date: 18/11/2024
17	MISCELLANEOUS	The project Authority must set up a full-fledged laboratory facilities for collection and analysis of samples, under the supervision of senior technical personnel.
PPs Submission: Complied NABL accredited existing Laboratory in RIL-NMD is carrying out the Effluent and Water sample analysis. Ambient and Stack monitoring are carried out through MoEF and CC approved 3rd Party Laboratory.		Date: 18/11/2024
18	Risk Mitigation and Disaster Management	The project Authority must submit a Disaster Management plan duly approved by nodal agency within a period of six months.
PPs Submission: Complied Disaster management plan included in the revised EIA Also, Revised DMP submitted to Ministry on 27.07.1992		Date: 18/11/2024
19	GREENBELT	The project Authority must design a green belt and should be incorporated in the revised EIA report.
PPs Submission: Complied Design of the Greenbelts is as per the CPCB guidelines, i.e main preference for local species. Greenbelt details were included in the Revised EIA report which was submitted to Ministry on 26.06.1990		Date: 18/11/2024
20	GREENBELT	Additional area under the control of the project which are not used for plant utility must be afforested and funds for this purpose should be made available.
PPs Submission: Complied Dedicated funds are allotted for afforestation/ greenbelt development every year.		Date: 18/11/2024
21	MISCELLANEOUS	A separate Environment Management Cell with suitably qualified people to carry out various functions related to environmental management be set up under the control of a senior technical personnel who will report direct to the Head of Organization.
PPs Submission: Complied A dedicated full-fledged Environmental Cell consisting of suitably qualified Professional is set up. It is headed by Head- Environment, who directly reports to the Site President.		Date: 18/11/2024
22	MISCELLANEOUS	Adequate funds (capital & recurring expenditure) along with

implementation schedule be provided for implementation of the above stipulations and the funds so provided should not be diverted for any other purpose.

PPs Submission: Complied

Adequate budget is being provided annually for complying with the stipulations of environment clearance. Records of environmental expenditure are being maintained and details are being annually submitted to MOEF and CC/MPCB through Environment Statement.

Date:
18/11/2024

Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

All Annexures are attached as additional attachment.

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Debottlenecking of existing plant and setting up of New plants at Reliance Industries Limited, Nagothane Manufacturing Division (NMD)		
Name of Entity / Corporate Office	Reliance Industries Limited		
Village(s)	Benase		
District	RAIGAD		
Proposal No.	SEAC-2013/CR-/TC-1	Category	Industrial Projects - 2
Plot / Survey / Khasra No.		Sub-District	Pen
State	MAHARASHTRA	Entity's PAN	*****5055K
MoEF File No.	SEAC-2013/CR-/TC-1	Entity name as per PAN	RELIANCE INDUSTRIES LIMITED

Compliance Reporting Details

Reporting Year 2024
Remarks (if any)
Reporting Period 01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Reliance Industries Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	598	598
Total	598	598

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Ethylene	Tons per Annum (TPA)	N/A	5,10,000	4,85,153	
2	Propylene	Tons per Annum (TPA)	N/A	70,000	17,576	
3	Ethylene Glycol	Tons per Annum (TPA)	N/A	70,000	28,642	
4	Ethylene Oxide	Tons per Annum (TPA)	N/A	60,000	58,515	
5	Power	MW	N/A	100	59.12	
6	DM Water	Cu.M/Hr	N/A	400	245.47	
7	Linear Low Density Polyethylene (LLDPE) & High Density Polyethylene {HDPE}/Metalocene	Tons per Annum (TPA)	N/A	3,50,000	3,01,066	
8	Polypropylene (PP)	Others:KTA	N/A	150	119.70	
9	Nitrogen	Others:Nm3/hour	N/A	21,200	8,027	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Risk Mitigation and Disaster Management	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes/ improvements required, if any, in the on-site management plan shall be ensured.
<p>PPs Submission: Complied The company has a well-established on-site emergency management plan. Mock drills are being carried out on monthly basis.</p>		Date: 18/11/2024
2	Statutory compliance	No additional land shall be used/ acquired for any activity of the project without obtaining proper permission.
<p>PPs Submission: Complied The expansion and debottlenecking project was executed within the existing complex. No additional land was required.</p>		Date: 18/11/2024
3	Statutory compliance	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
<p>PPs Submission: Complied Not applicable. The entire project site is located within a Notified industrial area of MIDC, Govt of Maharashtra.</p>		Date: 18/11/2024
4	AIR QUALITY MONITORING AND	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant

	PRESERVATION	shall be ensured.
PPs Submission: Complied All Plant areas are paved and internal roads are bitumen topped thus preventing dust emission. Adequate greenbelt has also been developed in and around the plant area for controlling fugitive dust.		Date: 18/11/2024
5	Statutory compliance	PP has to abide by the conditions stipulated by SEAC & SEIAA
PPs Submission: Complied Compliance report is being regularly submitted to RO MoEF and CC, RO - CPCB and MPCB.		Date: 18/11/2024
6	AIR QUALITY MONITORING AND PRESERVATION	Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
PPs Submission: Complied Six AAQM stations have been setup in consultation with MPCB. AAQ monitoring is being carried out in 6 locations as per NAAQS, 2009. Work zone monitoring is carried out in the plant area regularly. The results of ambient air quality monitoring were found to be within stipulated limits and the results of the reporting period are enclosed as Annexure- 2		Date: 18/11/2024
7	MISCELLANEOUS	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
PPs Submission: Complied All furnaces are located in open area, Adequate safety measures are also implemented as per standards.		Date: 18/11/2024
8	MISCELLANEOUS	Proper Housekeeping programs shall be implemented.
PPs Submission: Complied A structured 5S system is implemented at site for housekeeping.		Date: 18/11/2024
9	MISCELLANEOUS	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
PPs Submission: Complied Pollution control devices are kept in running condition at all times through preventive maintenance schedules. Such an event of failure of any pollution control system did not occur during this period.		Date: 18/11/2024
10	AIR QUALITY MONITORING AND PRESERVATION	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
PPs Submission: Complied Complied. The stack height of the DG sets has been provided as per the CPCB guidelines. 1. GC (2 nos.),Capacity-500 KVAX2,Stack height - 4.5 m 2. CPP, Capacity-867KVA, Stack height - 5.9 m 3. LDPE,Capacity -250 KVA,Stack height - 3.5 m		Date: 18/11/2024
11	WATER QUALITY MONITORING AND PRESERVATION	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.

<p>PPs Submission: Complied Rainwater harvesting ponds are constructed at the site. 1. Capacity-5,300 m³,Dimensions- 50 X30X3.5 m 2. Capacity-11,200m³,Dimensions-89X38X3.3 m</p>		<p>Date: 18/11/2024</p>
12	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Arrangement shall be made that effluent and storm water does not get mixed.</p>
<p>PPs Submission: Complied There is a separate drainage network for effluents and storm water to ensure that they are not mixed.</p>		<p>Date: 18/11/2024</p>
13	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.</p>
<p>PPs Submission: Complied Periodic monitoring of ground water is carried out in and around the site at 5 locations and the same is also regularly submitted to MPCB. The ground water monitoring results for the reporting period is enclosed as Annexure 5.</p>		<p>Date: 18/11/2024</p>
14	<p>MISCELLANEOUS</p>	<p>A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.</p>
<p>PPs Submission: Complied A dedicated full-fledged Environmental Cell consisting of suitably qualified professionals is headed by Head-Environment, who reports to the Site President.</p>		<p>Date: 18/11/2024</p>
15	<p>Noise Monitoring & Prevention</p>	<p>Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.</p>
<p>PPs Submission: Complied Noise level (Leq) in and around the plant is maintained well within the prescribed limits by means of adequate noise control measures. PPEs are provided to personnel working in high noise areas.</p>		<p>Date: 18/11/2024</p>
16	<p>Noise Monitoring & Prevention</p>	<p>The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.</p>
<p>PPs Submission: Complied Appropriate engineering control measures such as acoustic hoods, silencers, enclosures etc. are provided at identified sources of noise generation. The overall noise levels in and around the plant area are kept well within the standards. The Ambient noise monitoring results for the reporting period is enclosed as Annexure 4.</p>		<p>Date: 18/11/2024</p>
17	<p>GREENBELT</p>	<p>Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Department..</p>
<p>PPs Submission: Complied Out of 744 ha of Plant and Township area, green belt has been developed and maintained in 33 percent of the area. Native species are used in the development of the green belt as per the CPCB guidelines.</p>		<p>Date: 18/11/2024</p>

18	Risk Mitigation and Disaster Management	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
PPs Submission: Complied LEL detectors are provided at strategic locations in the plant for early detection of leaks. Necessary safety measures are implemented in the entire site based on the identified risks. The company has implemented a detailed LDAR program for detection and repair of leaks.		Date: 18/11/2024
19	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
PPs Submission: Complied Periodic medical examination for all the employees and Contract workers are being conducted annually and records are maintained as per the Factories Act.		Date: 18/11/2024
20	MISCELLANEOUS	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
PPs Submission: Complied Fire proofing is done in identified areas as per the Standards. Dedicated Fire stations (Main and auxiliary) with 8 Fire tenders and 3 Fire jeeps are available round the clock. Fire mitigation equipment like Fire Hydrants, fire extinguishers, Foam systems, Deluge systems are available at identified locations. Testing and maintenance of the same is being carried out regularly. Permit to Work system is being practiced for all the jobs.		Date: 18/11/2024
21	WASTE MANAGEMENT	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/ treatment/ storage/ disposal of hazardous wastes.
PPs Submission: Complied Provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 are complied with. Authorization from MPCB for generation/collection/storage /transport/ disposal of hazardous waste has been obtained.		Date: 18/11/2024
22	WASTE MANAGEMENT	The company shall undertake following Waste Minimization Measures: • Metering of quantities of active ingredients to minimize waste. • Reuse of by-products from the process as raw materials or as raw material substitutes in other process. • Maximizing Recoveries. • Use of automated material transfer system to minimize spillage.
PPs Submission: Complied Waste minimization measures are implemented in all the process plants at the site. All processes have automated material handling systems for proper metering, avoiding spillages and loss of material. Reuse and recycling of waste is practiced to the extent possible. Recyclable wastes are sent only to MPCB/CPCB authorized recyclers.		Date: 18/11/2024
23	WASTE MANAGEMENT	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
PPs Submission: Complied Not Applicable.		Date: 18/11/2024
24	WASTE MANAGEMENT	Separate silos will be provided for collecting and storing bottom ash and fly ash.

PPs Submission: Complied Not Applicable.		Date: 18/11/2024
25	MISCELLANEOUS	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should reported to the MPCB and this department.
PPs Submission: Complied Complied. Separate funds are allocated for implementation of environmental protection measures and are not diverted for any other purposes. Environmental expenditure details are being annually submitted through Environment Statements. EMP Cost in Rs/Crores 1. RO Plant and ETP Upgradation - 93 Crores 2. Effluent Discharge Line -Inspection and Diffuser Replacement - 8 Crores 3. Addl. CEMS analysers (PM, O2 and flow meter)- 6 Crores 4. New Waste Storage facility For Industrial Non-Hazardous Misc. waste and Municipal Solid waste - 1 Crore 5. Relaying of Road with Plastic Waste for demonstration - 1 Crore 6. New Greenbelt area development 0.5 Crore 7. Storm water channel modification and strengthening - 3.5 Crore 8. RPET Stack Height extension - 0.5 Crore 9. GC stack height extension- 6.3 Crore Total- 113.5		Date: 18/11/2024
26	Statutory compliance	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://cc.maharashtra.gov.in
PPs Submission: Complied Complied. The advertisement was published in "The Free Press Journal" in English, "Vishwarup" in Marathi on 14th September 2014 and in "Raigad Times" in Marathi on 13th September 2014.		Date: 18/11/2024
27	Statutory compliance	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB and this department, on 1st June & 1st December of each calendar year.
PPs Submission: Complied Half yearly compliance reports are being regularly submitted. Timely submission of last report is done on 1st June 2024.		Date: 18/11/2024
28	MISCELLANEOUS	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
PPs Submission: Complied A copy of the EC is submitted to the local Gram Panchayat.		Date: 18/11/2024
29	Statutory compliance	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location

		near the main gate of the company in the public domain.
PPs Submission: Complied Complied. EC compliance report is submitted periodically to MoEF Regional office, CPCB zonal office and MPCB. The Environmental data is displayed on the main gate (Kuhire gate) of the company at a location which is clearly visible to the public.		Date: 18/11/2024
30	Statutory compliance	Six monthly monitoring reports should be submitted to the Regional Office MoEF, Bhopal with copy to this department and MPCB.
PPs Submission: Complied Complied. Half yearly compliance reports are being regularly submitted. Timely submission of last report in the Parivesh portal as well as by mail is done on 1st June 2024.		Date: 18/11/2024
31	MISCELLANEOUS	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
PPs Submission: Complied Complied.		Date: 18/11/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		All Annexures are attached as Additional Attachment.
<p style="text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Expansion and Debottlenecking of Petrochemical Complex by M/s Reliance Industries Limited at Nagothane Manufacturing Division, MIDC, Tehsil Roha District Raigad (Maharashtra)-Environmental Clearance-reg.		
Name of Entity / Corporate Office	Reliance Industries Limited		
Village(s)	Benase		
District	RAIGAD		
Proposal No.	IA/MH/IND2/28995/2015	Category	Industrial Projects - 2
Plot / Survey / Khasra No.		Sub-District	Pen
State	MAHARASHTRA	Entity's PAN	*****5055K
MoEF File No.	File No. J-11011/177/2015-IA II (I)	Entity name as per PAN	RELIANCE INDUSTRIES LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Reliance Industries Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	598	598
Total	598	598

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Ethylene	Tons per Annum (TPA)	N/A	5,10,000	4,85,153	
2	Nitrogen	Others:Nm3/Hour	N/A	21,200	8,027	
3	Polypropylene (PP)	Others:KTA	N/A	150	119.70	
4	Propylene	Tons per Annum (TPA)	N/A	70,000	17,576	
5	Ethylene Glycol	Tons per Annum (TPA)	N/A	70,000	28,642	
6	Ethylene Oxide	Tons per Annum (TPA)	N/A	60,000	58,515	
7	Linear Low Density Polyethylene (LLDPE) & High Density Polyethylene (HDPE)/Metalocene	Tons per Annum (TPA)	N/A	3,50,000	3,01,066	
8	Power	MW	N/A	100	59.12	
9	DM Water	Cu.M/Hr	N/A	400	245.47	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	All pollution control and monitoring equipments shall be installed, tested and interlocked with the process. SPCB shall grant 'Consent to Operate' after ensuring that all the mentioned pollution control equipments, construction of storm water drain, rain water harvesting structure, Greenbelt, uploading of compliance report on the website etc. have been implemented.

PPs Submission: Complied
Consent to Operate has been granted by MPCB.

Date:
18/11/2024

2

AIR QUALITY MONITORING AND PRESERVATION

Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009. The levels of PM10, PM2.5, SO2, NOx, VOC and CO shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the Maharashtra Pollution Control Board (MPCB).

PPs Submission: Complied
AAQ monitoring is being carried out in 6 locations for all the parameters including VOC (Benzene) as notified in NAAQS, 2009. Stack monitoring is carried out through MoEF approved 3rd party lab for all the stacks at site regularly. Also, Continuous Emission Monitoring systems (CEMS) is installed and connected to CPCB and MPCB portal since 2016. The analytical results the Stack Emission/ ambient air quality were found to be within stipulated limits during this reporting period and the reports are being submitted to MoEF and CC, CPCB and MPCB through Half yearly reports

Date:
18/11/2024

(Please refer Annexure-1 , 2) AAQM and Stack emission results are displayed at the plant entrance near main gate.		
3	AIR QUALITY MONITORING AND PRESERVATION	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the MPCB.
PPs Submission: Complied Air quality is being monitored in plant premises like storages of products and raw-materials and workplace. LDAR program is also implemented which includes periodic monitoring of fugitive emissions.		Date: 18/11/2024
4	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
PPs Submission: Complied Complied. The existing DG sets are meeting the CPCB guidelines and having adequate acoustic enclosures. Adequate stack height of the DG sets has been provided as per the CPCB guidelines. 1. GC (2 nos.),Capacity-500 KVA X 2,Stack height - 4.5 m 2. CPP, Capacity -867KVA, Stack height - 5.9 m 3. LDPE,Capacity -250 KVA,Stack height - 3.5 m		Date: 18/11/2024
5	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement from MIDC shall not exceed 36,000 m3/day and prior permission shall be obtained from the competent authority. No ground water shall be used without permission.
PPs Submission: Complied PP has obtained permission to draw 67,500 m3/day of water from MIDC. Fresh Water requirement, drawn from MIDC, does not exceed 36,000 m3/day. No Ground water is used.		Date: 18/11/2024
6	WATER QUALITY MONITORING AND PRESERVATION	The generated effluent shall be treated in the existing ETP. The treated effluent shall be recycled into the system, reused in the green belt and RO reject of 1000 m3/day only shall be sent through the existing 26 km pipeline and discharged into Dharamtar creek.
PPs Submission: Complied The treated Effluent is being reused in Horticulture activities, Fire Water make up and Cooling Tower make up. The RO reject is being discharged through existing 26 km pipeline at Dharamtar Creek. Permission to discharge has already been given in EC granted by MoEF dated 30-11-1989.		Date: 18/11/2024
7	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24X7) monitoring system for stack emissions 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.
PPs Submission: Complied Complied. The stack emissions are being continuously monitored by CEMS analyzers as per CPCB Guidelines and connected to CPCB (https://rtdms.cpcb.gov.in/industry-login) and MPCB portal (https://onlinecems.ecmpcb.in/login) since 2016.		Date: 18/11/2024
8	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
PPs Submission: Complied Storm water and effluent channels are separate by design, and it ensures that the two streams do not intermingle.		Date: 18/11/2024
9	MISCELLANEOUS	Hazardous chemicals shall be stored in tanks, tank farms, drums,

		carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.
<p>PPs Submission: Complied</p> <p>All the hazardous chemicals are stored in Tank farms and suitable containers. Required flame arrestors are provided in the tanks as per PESO guidelines and solvents are transferred only through closed pipelines.</p>		<p>Date: 18/11/2024</p>
10	WASTE MANAGEMENT	As proposed, ETP sludge shall be disposed at TSDF. Organic waste, spent solvent distillation residue, spent catalyst shall be sent to registered recyclers/ reprocessors /TSDF.
<p>PPs Submission: Complied</p> <p>ETP Oily and Chemical sludge and Process Organic wastes are being disposed at CHWTSDF at Taloja or sent for co-processing to cement industry. ETP Biological sludge are being used as manure in Horticulture. Spent Solvents and Catalyst are disposed to authorized recyclers.</p>		<p>Date: 18/11/2024</p>
11	WASTE MANAGEMENT	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from MPCB shall be obtained for disposal of solid/ hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency.
<p>PPs Submission: Complied</p> <p>Agreed. Authorization from MPCB under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, has been obtained and it is valid till 31.08.2026. Fire mitigation equipment like Fire Hydrants, fire extinguishers, Foam systems, Deluge systems are available at identified locations. Testing and maintenance of the same is being carried out regularly.</p>		<p>Date: 18/11/2024</p>
12	Statutory compliance	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
<p>PPs Submission: Complied</p> <p>Provisions under the MSIHC Rules are complied with. Emergency Response and Contingency Plan reviewed and updated regularly and updated plan being submitted to DISH. Records of submission are available. Haz. chemicals are transported as per the provision of Motor Vehicle Act (MVA), 1989</p>		<p>Date: 18/11/2024</p>
13	Risk Mitigation and Disaster Management	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.
<p>PPs Submission: Complied</p> <p>Fire proofing is done in identified areas as per the Standards Dedicated Fire stations (Main and auxiliary) with 8 Fire tenders and 3 Fire jeeps are available round the clock. Fire mitigation equipment like Fire Hydrants, fire extinguishers, Foam systems, Deluge systems are available at identified locations. Testing and maintenance of the same is being carried out regularly.</p>		<p>Date: 18/11/2024</p>
14	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
<p>PPs Submission: Complied</p> <p>Periodic medical examination for all the employees and contract workers are being conducted annually and records are maintained as per the Factories Act.</p>		<p>Date: 18/11/2024</p>

15	MISCELLANEOUS	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.
PPs Submission: Complied MoEF and CC has come up with an OM vide F. No. 22-65/2017-IA.III dated: 01.05.2018. Accordingly the applicable Corporate Environment Responsibility (CER) for our project is 0.25 percent of the capital investment. The CER expenditure is completed as per the plan.		Date: 18/11/2024
16	GREENBELT	As proposed, green belt over 298 ha shall be developed/maintained within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
PPs Submission: Complied Design of the Greenbelts is as per the CPCB guidelines, i.e preference for local species, 10-25 metre width greenbelt along periphery, hedges along roadside. Maharashtra Horticulture Dept had been consulted for the Greenbelt development and they have provided inputs during the development stage.		Date: 18/11/2024
17	MISCELLANEOUS	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.
PPs Submission: Complied Adequate accommodation facilities with all infrastructure were provided to the construction workers during project implementation.		Date: 18/11/2024
18	MISCELLANEOUS	A regular Environment Manager having Post Graduate qualification in Environmental Sciences/ Environmental Engineering to be appointed for looking after the environmental management activities of the proposed plant.
PPs Submission: Complied A dedicated full-fledged Environmental Cell consisting of suitably qualified Professionals is headed by Head (Environment), who reports to the Site President.		Date: 18/11/2024
19	Statutory compliance	The project proponent shall provide documentary evidence to establish the start of manufacturing products (Recycle Polyethylene Terephthalate (R PET) of capacity 16,000 MTA, Reliance Paraffin Dehydrogenation Catalyst-10 (RPDC-10) of capacity 60 MTA & Alumina Balls and powder of capacity 4.8 MTA only after having all statutory clearances. Such a clarification shall be submitted by the project proponent to the Regional Office of the Ministry at Nagpur within 6 months for examination at their end in consultation with the State Pollution Control Board, and forwarding the comments to this Ministry.
PPs Submission: Complied Complied. The clarification letter with all the relevant documents submitted to MoEF and CC Regional office, Nagpur on 06.08.2018. In continuation to our letter, MoEF and CC Regional office, Nagpur communicated to Member Secretary, MPCB vide letter No. EC-865/RON/2018-NGP dated:		Date: 18/11/2024

14.09.2018 for seeking their clarifications. The copy of both were submitted along with EC compliance report submitted on : 08.07.2019		
20	Statutory compliance	Compliance to all the environmental conditions stipulated in the environmental clearance letter no. SEAC-2013/CR-TC-1 date 5th September, 2014 shall be satisfactorily implemented and compliance report to be submitted to the Ministry's Regional Office.
PPs Submission: Complied All the conditions stipulated in the EC granted in year 2014 have been complied with and the compliance report is submitted for your records as Annexure-B.		Date: 18/11/2024
21	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
PPs Submission: Complied Complied. Adequate stack heights have been provided for proper dispersion of gaseous emissions.		Date: 18/11/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities shall adhere to the stipulations made by the State Government, Central Pollution Control Board, State Pollution Control Board and any other statutory authority.
PPs Submission: Complied Agreed.		Date: 18/11/2024
2	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied The Ambient noise monitoring results for the reporting period is enclosed as Annexure 4.		Date: 18/11/2024
3	WATER QUALITY MONITORING AND PRESERVATION	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
PPs Submission: Complied Rainwater harvesting ponds are constructed at the site. 1. Capacity-5,300 m3,Dimensions- 50 X 30 X 3.5 m 2. Capacity-11,200m3,Dimensions-89 X 38 X 3.3 m		Date: 18/11/2024
4	Human Health Environment	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
PPs Submission: Complied		Date:

<p>Only after the comprehensive Safety and Environmental training (including chemical handling) employees and contractors are engaged for plant operation and maintenance jobs. We are also regularly carrying out awareness training for all on these subjects. Pre-employment and annual medical checkup are mandatory for all the employees including those of contractor and records are being maintained as per Factories Act.</p>		18/11/2024
5	MISCELLANEOUS	The company shall also 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
<p>PPs Submission: Complied All the recommendations made in the EIA are implemented.</p>		Date: 18/11/2024
6	MISCELLANEOUS	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.
<p>PPs Submission: Complied CSR activities are being implemented in and around villages.</p>		Date: 18/11/2024
7	Corporate Environmental Responsibility	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment
<p>PPs Submission: Complied Activities were undertaken particularly for following: 1. Seed distribution to 139 Self Help Group Members for kitchen gardening of orchid and leafy vegetables plant. 2. Sapling distribution to 10 Gram Panchayats in 15 villages. A total of 10,300 saplings.</p>		Date: 18/11/2024
8	MISCELLANEOUS	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>PPs Submission: Complied Yearly EMP cost is 3 crores. EMP cost of Rs. 113.5 Crores incurred for the year 2018 post receipt of EC.</p>		Date: 18/11/2024
9	MISCELLANEOUS	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>PPs Submission: Complied The copy of this Env.clearance has been submitted to Roha Nagarpalika and Kuhire village panchayat and the acknowledgement copies were submitted along with the compliance report dated 05.12.2018.</p>		Date: 18/11/2024
10	Statutory compliance	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.
PPs Submission: Complied PP is regularly submitting half yearly EC compliance report to MoEF and CC Regional Office, MPCB and CPCB regional offices. Last compliance report was submitted in the Parivesh portal as well as by mail on 1st June 2024. Compliance report is also available on the company website: https://www.ril.com/sustainability/health-safety-environment		Date: 18/11/2024
11	Statutory compliance	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.
PPs Submission: Complied Environment statement submitted to MPCB through their online portal. The copy of the Environment Statement 2023-24 is attached as Annexure 8.		Date: 18/11/2024
12	Statutory compliance	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.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 concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
PPs Submission: Complied The advertisement was published as stipulated and copy of these paper clippings were submitted along with the compliance report dated 05.12.2018.		Date: 18/11/2024
13	MISCELLANEOUS	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.
PPs Submission: Complied These details were submitted to your office through compliance report dated: 05.12.2018.		Date: 18/11/2024
14	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
PPs Submission: Complied Agreed.		Date: 18/11/2024
15	AIR QUALITY MONITORING AND PRESERVATION	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where

		maximum ground level concentrations are anticipated.
PPs Submission: Complied The location of the AAQM stations are decided in consultation with MPCB and 6 AAQM stations have been setup.		Date: 18/11/2024
16	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
PPs Submission: Complied Ambient air quality is being monitored for all the parameters stipulated in the NAAQ Standards, 2009 and the monitoring frequency is as per CPCB guidelines and NAAQ Standards 2009.		Date: 18/11/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		All Annexures are attached as Additional Attachment.
<p style="text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

Stack Emission Monitoring Summary Sheet

Month : April 2024

Parameter Analysed	MPCB Limit	Unit	STACKS							
			GC FURNACE STACKS					DEMO	CPP	RPET
			H10(GC)	H11(GC)	H12(GC)	H13(GC)	H14(GC)			
PM	10 (Gas fuel)	mg/Nm ³	4.1	3.8	3.7	4.6	3.3	4.4	*	Not in Operation On the Day Of Monitoring
	150 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*	*	4.3	
NO _x	350	mg/NM ³	90.8	95.5	127.3	40	49.3	16.8	62.2	
SO ₂	50 (Gas fuel)	mg/Nm ³	3.7	5	7.8	3.3	5.6	5.5	*	
	1700 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*	*	4	
CO	150	mg/Nm ³	9.9	6.3	7.7	5.7	7.1	7.2	8.6	

Verified by:

Neelima Dalvi
Technical Manager

Issued by:

Shradha Kere
Quality Manager

A Netemwala Group Company

Office & Laboratory

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Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-22066231/61



Stack Emission Monitoring Summary Sheet

Month : May 2024

Parameter Analysed	MPCB Limit	Unit	STACKS							
			GC FURNACE STACKS					DEMO	CPP	RPET
			H10(GC)	H11(GC)	H12(GC)	H13(GC)	H14(GC)			
PM	10 (Gas fuel)	mg/Nm ³	3.2	3.9	4.2	Not in Operation On the Day Of Monitoring	3.1	3.6	*	Not in Operation On the Day Of Monitoring
	150 (Gas+ liquid fuel)	mg/Nm ³	*	*	*		*	*	3.5	
NOx	350	mg/NM ³	90.4	83.5	118		71.3	12.4	61.2	
SO ₂	50 (Gas fuel)	mg/Nm ³	6.9	4.5	4.6		6.7	5	*	
	1700 (Gas+ liquid fuel)	mg/Nm ³	*	*	*		*	*	8	
CO	150	mg/Nm ³	9.5	6.1	7.1	8.8	5.8	8.9		

Verified by:



Neelima Dalvi
Technical Manager



Issued by:



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Netel (India) Limited



Issued by:

Shraddha Kere

Shraddha Kere
Quality Manager

Verified by:

Neelima Dalvi

Neelima Dalvi
Technical Manager

Stack Emission Monitoring Summary Sheet

Month : June 2024

Parameter Analysed	MPCB Limit	Unit	STACKS					DEMO	CPP	RPET
			GC FURNACE STACKS							
			H10(GC)	H11(GC)	H12(GC)	H13(GC)	H14(GC)			
PM	10 (Gas fuel)	mg/Nm ³	3.1	3.4	3.1	4.6	4.1	Not in Operation On the Day Of Monitoring	*	*
	150 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		3.5	3.9
NOx	350	mg/NM ³	90.4	83.5	95.6	40	71.3		61.2	12.4
	50 (Gas fuel)	mg/Nm ³	6.9	4	3.7	6.4	7.8		*	*
SO ₂	1700 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		5.6	6.1
	150	mg/Nm ³	9.4	9	5	7	5	4.7	8.7	

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Stack Emission Monitoring Summary Sheet

Month : July 2024

Parameter Analysed	MPCB Limit	Unit	STACKS					DEMO	CPP	RPET
			GC FURNACE STACKS							
			H10(GC)	H11(GC)	H12(GC)	H13(GC)	H14(GC)			
PM	10 (Gas fuel)	mg/Nm ³	4.2	3.7	4.3	4.6	4.3	Not in Operation On the Day Of Monitoring	*	Not in Operation On the Day Of Monitoring
	150 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		4.1	
NOx	350	mg/NM ³	81.2	67.5	82.6	54	85.4		54.2	
	50 (Gas fuel)	mg/Nm ³	5.1	6.2	7.5	7.9	8		*	
SO ₂	1700 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		7.4	
	150	mg/Nm ³	8.8	8.8	6.8	5.4	6.6	5.2		

Verified by:



Neelima Dalvi
Technical Manager



Issued by:



Shradha Kere
Quality Manager

A Netemwala Group Company

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TTC Industrial Area,
Navi Mumbai - 400701,
India.

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GST : 27AABCN8692H1Z0
CIN : U74999MH2003PLC142228

E-mail : ems@netel-india.com
Website : www.netel-india.com



Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-2206623/1/61

Stack Emission Monitoring Summary Sheet

Month : August 2024

Parameter Analysed	MPCB Limit	Unit	STACKS					DEMO	CPP	RPET
			GC FURNACE STACKS							
			H10(GC)	H11(GC)	H12(GC)	H13(GC)	H14(GC)			
PM	10 (Gas fuel)	mg/Nm ³	6.96	5.87	2.96	2.29	3.34	Not in Operation On the Day Of Monitoring	*	*
	150 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		3.35	1.40
NOx	350	mg/NM ³	75.09	63.51	92.33	60.31	95.00		51.72	46.80
SO ₂	50 (Gas fuel)	mg/Nm ³	4.90	5.98	4.10	6.40	4.87		*	*
	1700 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		4.39	8.41
CO	150	mg/Nm ³	10.58	11.63	5.90	9.80	15.60	9.88	9.16	

Verified by:

 Neelima Dalvi
 Technical Manager



Issued by:

 Shradha Kere
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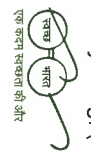
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Stack Emission Monitoring Summary Sheet

Month : September 2024

Parameter Analysed	MPCB Limit	Unit	STACKS					DEMO	CPP	RPET
			GC FURNACE STACKS							
			H10(GC)	H11(GC)	H12(GC)	H13(GC)	H14(GC)			
PM	10 (Gas fuel)	mg/Nm ³	3.49	4.01	3.35	3.73	2.34	Not in Operation On the Day Of Monitoring	*	Not in Operation On the Day Of Monitoring
	150 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		4.31	
NOx	350	mg/NM ³	67.01	58.36	91.56	46.37	74.62		62.55	
SO ₂	50 (Gas fuel)	mg/Nm ³	6.19	8.30	4.13	6.07	6.16		*	
	1700 (Gas+ liquid fuel)	mg/Nm ³	*	*	*	*	*		5.10	
CO	150	mg/Nm ³	11.60	12.17	6.44	10.31	13.17	9.45		

Verified by:

 Neelima Dalvi
 Technical Manager



Issued by:

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Issued by

 Shradha Kere
 Quality Manager



AMBIENT AIR QUALITY SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

MONTH : APRIL, 2024

Sr. No.	Parameters	Unit	Location					CPCB Limits	Plant Average
			Colony	H.S.E. Building	Plant East Boundry ED/EG/END	Kuhire Nursery	Parking Plaza		
1	Particulate Matter (PM ₁₀)	µg/m ³	70.88	67.19	75.20	71.68	73.71	100	71.73
2	Particulate Matter (PM _{2.5})	µg/m ³	35.99	35.11	38.51	36.32	37.51	60	36.69
3	Sulphur Dioxide (SO ₂)	µg/m ³	21.52	20.95	22.01	22.70	26.83	80	22.80
4	Oxides of Nitrogen (NO _x)	µg/m ³	24.79	25.28	26.13	27.03	32.00	80	27.05
5	Carbon Monoxide (CO)							2000	
	Sample - I (2 p.m to 10 p.m)	µg/m ³	1467.00	1653.50	1378.70	1486.80	1502.80		1497.76
	Sample - II (10 p.m to 6 a.m)	µg/m ³	1349.30	1555.70	1202.50	1295.00	1510.80		1382.66
	Sample - III (6 a.m to 2 p.m)	µg/m ³	1235.80	1292.80	1036.60	1283.50	1161.30		1202.00
6	Benzene (C ₆ H ₆)	µg/m ³	2.08	2.00	2.17	1.84	2.02	5	2.02
7	Ammonia (NH ₃)	µg/m ³	21.06	20.57	20.11	20.35	20.53	400	20.52
8	Ozone (O ₃)	µg/m ³	9.14	10.16	9.44	9.05	9.54	100	9.47
9	Benzo-a-Pyrene (BaP)	ng/m ³	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5
10	Lead (Pb)	µg/m ³	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1
11	Arsenic (As)	ng/m ³	<1	<1	<1	<1	<1	6	<1
12	Nickel (Ni)	ng/m ³	<5	<5	<5	<5	<5	20	<5

Verified by

 Neelima Dalvi
 Technical Manager



Authorized by

 Shradha Kere
 Quality Manager



Reviewed by

 Neelima Dalvi
 Technical Manager

AMBIENT AIR QUALITY SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

MONTH : MAY, 2024

Sr. No.	Parameters	Unit	Location				CPCB Limits	Plant Average	
			Colony	H.S.E. Building	Plant East Boundary ED/EG/END	Kuhire Nursery			Parking Plaza
1	Particulate Matter (PM ₁₀)	µg/m ³	69.03	69.43	75.52	71.30	73.76	100	71.81
2	Particulate Matter (PM _{2.5})	µg/m ³	35.65	33.19	36.49	35.07	33.97	60	34.87
3	Sulphur Dioxide (SO ₂)	µg/m ³	20.73	19.67	20.14	21.62	26.65	80	21.76
4	Oxides of Nitrogen (NO _x)	µg/m ³	24.70	23.94	26.14	27.00	33.40	80	27.04
5	Carbon Monoxide (CO)								
	Sample - I (2 p.m to 10 p.m)	µg/m ³	1391.98	1516.03	1326.27	1281.22	1355.17	2000	1374.13
	Sample - II (10 p.m to 6 a.m)	µg/m ³	1235.68	1403.44	1300.70	1255.20	1348.18		1308.64
Sample - III (6 a.m to 2 p.m)	µg/m ³	1211.42	1250.34	949.92	1126.03	1119.50	1131.44		
6	Benzene (C ₆ H ₆)	µg/m ³	2.01	2.20	3.53	1.67	3.34	5	2.55
7	Ammonia (NH ₃)	µg/m ³	21.17	21.45	20.47	20.63	21.71	400	21.09
8	Ozone (O ₃)	µg/m ³	8.28	8.67	8.42	7.99	8.87	100	8.45
9	Benzo-a-Pyrene (BaP)	ng/m ³	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5
10	Lead (Pb)	µg/m ³	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1
11	Arsenic (As)	ng/m ³	<1	<1	<1	<1	<1	6	<1
12	Nickel (Ni)	ng/m ³	<5	<5	<5	<5	<5	20	<5





AMBIENT AIR QUALITY SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

MONTH : JUNE, 2024

Sr. No.	Parameters	Unit	Location					CPCB Limits	Plant Average
			Colony	H.S.E. Building	Plant East Boundary EO/EG/END	Parking Plaza	Kuhire Nursery		
1	Particulate Matter (PM ₁₀)	µg/m ³	52.2	55.2	58.5	65.2	53.7	100	57.0
2	Particulate Matter (PM _{2.5})	µg/m ³	25.4	24.5	23.6	25.9	23.3	60	24.5
3	Sulphur Dioxide (SO ₂)	µg/m ³	14.1	14.6	12.4	13.9	15.9	80	14.2
4	Oxides of Nitrogen (NO _x)	µg/m ³	18.7	17.8	17.5	17.8	22.0	80	18.8
5	Carbon Monoxide (CO)								
	Sample - I (2 p.m to 10 p.m)	µg/m ³	1169	1443	988	1331	1099	2000	1206
	Sample - II (10 p.m to 6 a.m)	µg/m ³	1232	1192	1013	1111	1135		1137
	Sample - III (6 a.m to 2 p.m)	µg/m ³	1004	1294	811	978	1079		1033
6	Benzene (C ₆ H ₆)	µg/m ³	2.2	2.9	2.6	2.1	2.1	5	2.4
7	Ammonia (NH ₃)	µg/m ³	13.9	15.7	14.0	12.9	15.6	400	14.4
8	Ozone (O ₃)	µg/m ³	7.0	7.0	7.4	7.5	7.2	100	7.2
9	Benzo-a-Pyrene (BaP)	ng/m ³	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5
10	Lead (Pb)	µg/m ³	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1
11	Arsenic (As)	ng/m ³	<1	<1	<1	<1	<1	6	<1
12	Nickel (Ni)	ng/m ³	<5	<5	<5	<5	<5	20	<5

Reviewed by

Neelima Dalvi

Technical Manager



Authorised by

Shradha Kere

Quality Manager





AMBIENT AIR QUALITY SUMMARY REPORT
M/s. Reliance Industries Limited, Nagothane

MONTH : JULY, 2024

Sr. No.	Parameters	Unit	Location					CPCB Limits	Plant Average
			Colony	H.S.E. Building	Plant East Boundary EO/EG/END	Parking Plaza	Kuhire Nursery		
1	Particulate Matter (PM ₁₀)	µg/m ³	45.50	46.33	52.23	57.30	47.63	100	49.8
2	Particulate Matter (PM _{2.5})	µg/m ³	20.01	20.19	20.78	22.14	20.57	60	20.7
3	Sulphur Dioxide (SO ₂)	µg/m ³	12.68	13.12	11.32	13.09	14.11	80	12.9
4	Oxides of Nitrogen (NO _x)	µg/m ³	15.68	15.41	14.96	15.26	17.93	80	15.9
5	Carbon Monoxide (CO)								
	Sample - I (2 p.m to 10 p.m)	µg/m ³	1096	1319	905	1218	1037	2000	1115
	Sample - II (10 p.m to 6 a.m)	µg/m ³	1189	1190	962	1074	1082		1099
	Sample - III (6 a.m to 2 p.m)	µg/m ³	971	1247	748	959	1006		986
6	Benzene (C ₆ H ₆)	µg/m ³	1.9	2.6	2.3	1.9	1.9	5	2.1
7	Ammonia (NH ₃)	µg/m ³	12.9	14.1	12.5	12.0	13.8	400	13.1
8	Ozone (O ₃)	µg/m ³	<2.5	<2.5	<2.5	<2.5	<2.5	100	--
9	Benzo-a-Pyrene (BaP)	ng/m ³	<0.5	<0.5	<0.5	<0.5	<0.5	1	--
10	Lead (Pb)	µg/m ³	<0.1	<0.1	<0.1	<0.1	<0.1	1	--
11	Arsenic (As)	ng/m ³	<1	<1	<1	<1	<1	6	--
12	Nickel (Ni)	ng/m ³	<5	<5	<5	<5	<5	20	--

Reviewed by

Neelima Dalvi
Technical Manager



Authorised by

Shraddha Kere
Quality Manager

AMBIENT AIR QUALITY SUMMARY REPORT
M/s. Reliance Industries Limited, Nagothane

MONTH : AUGUST, 2024

Sr. No.	Parameters	Unit	Location				CPCB Limits	Plant Average
			Colony	H.S.E. Building	Plant East Boundry EO/EG/END	Kuhire Nursery		
1	Particulate Matter (PM ₁₀)	µg/m ³	39.3	40.7	43.2	42.0	100	42.5
2	Particulate Matter (PM _{2.5})	µg/m ³	21.5	21.0	21.2	21.5	60	21.6
3	Sulphur Dioxide (SO ₂)	µg/m ³	11.8	12.2	10.4	12.8	80	11.8
4	Oxides of Nitrogen (NO _x)	µg/m ³	13.8	13.3	12.9	15.1	80	13.9
5	Carbon Monoxide (CO)							
	Sample - I (2 p.m to 10 p.m)	µg/m ³	891	1095	754	895	2000	916
	Sample - II (10 p.m to 6 a.m)	µg/m ³	1053	1017	859	954		970
	Sample - III (6 a.m to 2 p.m)	µg/m ³	912	1167	735	917		935
6	Benzene (C ₆ H ₆)	µg/m ³	1.6	2.1	1.8	1.6	5	1.7
7	Ammonia (NH ₃)	µg/m ³	11.9	13.4	11.9	11.9	400	12.3
8	Ozone (O ₃)	µg/m ³	<2.5	<2.5	<2.5	<2.5	100	<2.5
9	Benzo-a-Pyrene (BaP)	ng/m ³	<0.5	<0.5	<0.5	<0.5	1	<0.5
10	Lead (Pb)	µg/m ³	<0.1	<0.1	<0.1	<0.1	1	<0.1
11	Arsenic (As)	ng/m ³	<1	<1	<1	<1	6	<1
12	Nickel (Ni)	ng/m ³	<5	<5	<5	<5	20	<5

Reviewed by

Neelima Dalvi
Technical Manager



Authorised by

Shraddha Kere
Quality Manager


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 Netel (India) Limited
 १९९५-२०२४

AMBIENT AIR QUALITY SUMMARY REPORT
M/s. Reliance Industries Limited, Nagothane

MONTH : SEPTEMBER, 2024

Sr. No.	Parameters	Unit	Location				CPCB Limits	Plant Average	
			Colony	H.S.E. Building	Plant East Boundry EO/EG/END	Kuhire Nursery			Parking Plaza
1	Particulate Matter (PM ₁₀)	µg/m ³	43.36	41.93	46.00	44.18	50.9	100	45.3
2	Particulate Matter (PM _{2.5})	µg/m ³	16.68	16.61	22.94	21.91	26.0	60	20.8
3	Sulphur Dioxide (SO ₂)	µg/m ³	10.83	9.96	10.95	11.48	12.6	80	11.2
4	Oxides of Nitrogen (NO _x)	µg/m ³	15.11	14.89	13.05	16.23	17.0	80	15.3
5	Carbon Monoxide (CO)								
	Sample - I (2 p.m to 10 p.m)	µg/m ³	981	1068	813	908	881.9	2000	930
	Sample - II (10 p.m to 6 a.m)	µg/m ³	935	1002	775	922	969.6		921
Sample - III (6 a.m to 2 p.m)	µg/m ³	904	918	741	859	846.2	854		
6	Benzene (C ₆ H ₆)	µg/m ³	1.9	2.2	1.9	1.9	1.95	5	2.0
7	Ammonia (NH ₃)	µg/m ³	12.3	12.6	11.9	13.0	13.81	400	12.7
8	Ozone (O ₃)	µg/m ³	<2.5	<2.5	<2.5	<2.5	<2.5	100	<2.5
9	Benzo-a-Pyrene (BaP)	ng/m ³	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5
10	Lead (Pb)	µg/m ³	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1
11	Arsenic (As)	ng/m ³	<1	<1	<1	<1	<1	6	<1
12	Nickel (Ni)	ng/m ³	<5	<5	<5	<5	<5	20	<5

Reviewed by
Willis

Neelima Dalvi
Technical Manager



Authorised by

Shraddha Kere

Shraddha Kere
Quality Manager

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Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-22066231/61





TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
MoEFCC Validity : 16 October 2024	NABL Validity : 16 June 2024				
Discipline/ Group : Chemical-Environment & Pollution	Test Report No. : NIL/W/04/24/082				
Sample Type : Waste Water	Sample Code : NIL/W/04/24/082				
Sampling Method : APHA 1060 (B & C)	Amb. Temperature : ---				
Sampling Date : 11.04.2024	Sample Received : 12.04.2024				
Analysis Start Date : 12.04.2024	Analysis Finish Date : 17.04.2024				
Reporting Date : 18.04.2024	Sample Qty & Pkng. : 5 litre Plastic Can				
Sampling Location : RO Reject Point	Sampling Done By : Netel India Limited				
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	pH Value	8.16	-	5.5 - 9.0	APHA 4500-H ⁺ -B
2	Dissolved Solids (TDS)	4109	mg/lit	---	APHA 2540-Solid-C
3	Suspended Solids (TSS)	52	mg/lit	100	APHA 2540-Solid-D
4	COD	105	mg/lit	250	APHA 5220-B
5	BOD	21	mg/lit	30	APHA 5210-B
6	Chlorides	769	mg/lit	---	IS 3025 (Part 32)
7	Sulphate	1786.0	mg/lit	---	APHA 4500(SO ₄)-E
8	Sulphide	0.9	mg/lit	2	APHA 4500-(S ₂)-E
9	Phenol	<0.5	mg/lit	1	APHA 5530-C
10	Oil & Grease	<2	mg/lit	10	APHA 5520-B
11	Bio-Assay	100 % Survival	%	90% Survival	IS 6582

- Note : 1. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
 2. This Test Report refers only to the sample tested.
 3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

End of Report

Verified by:

Neelima Dalvi
Technical Manager



Issued by:

Shraddha Kere
Quality Manager





TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
MoEFCC Validity : 16 October 2024	NABL Validity : 16 June 2024				
Discipline/ Group : Chemical-Environment & Pollution	Test Report No. : NIL/W/06/24/015				
Sample Type : Waste Water	Sample Code : NIL/W/06/24/015				
Sampling Method : APHA 1060 (B & C)	Amb. Temperature : ---				
Sampling Date : 27.05.2024	Sample Received : 01.06.2024				
Analysis Start Date : 01.06.2024	Analysis Finish Date : 06.06.2024				
Reporting Date : 07.06.2024	Sample Qty & Pkng. : 5 litre Plastic Can				
Sampling Location : IWWTP Outlet	Sampling Done By : Netel India Limited				
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	pH Value	7.8	--	5.5 - 9.0	APHA 4500-H ⁺ -B
2	Dissolved Solids (TDS)	2867	mg/lit	---	APHA 2540-Solid-C
3	Suspended Solids (TSS)	20	mg/lit	100	APHA 2540-Solid-D
4	COD	227	mg/lit	250	APHA 5220-B
5	BOD	28	mg/lit	30	APHA 5210-B
6	Chlorides	489.2	mg/lit	---	IS 3025 (Part 32)
7	Sulphate	286.2	mg/lit	---	APHA 4500(SO ₄)-E
8	Sulphide	<0.2	mg/lit	2	APHA 4500-(S ₂)-E
9	Phenol	<0.5	mg/lit	1	APHA 5530-C
10	Oil & Grease	<2	mg/lit	10	APHA 5520-B
11	Bio-Assay	100 % Survival	%	90% Survival	IS 6582

- Note :** 1. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
2. This Test Report refers only to the sample tested.
3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Reviewed by:

Neelima Dalvi
Technical Manager



Authorised by:

Shraddha Kere
Quality Manager

End of Report





TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
Discipline/ Group : Chemical-Pollution & Environment	Test Report No. : NIL/W/06/24/151				
Sample Type : Waste Water	Sample Code : NIL/W/06/24/151				
Sampling Method : APHA 1060 (B & C)	Amb. Temperature : ---				
Sampling Date : 13.06.2024	Sample Received : 14.06.2024				
Analysis Start Date : 14.06.2024	Analysis Finish Date : 20.06.2024				
Reporting Date : 21.06.2024	Sample Qty & Pkng. : 5 litre Plastic Can				
Sampling Location : IWWTP (Ro Reject Point)	Sampling Done By : Netel India Limited				
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	pH Value	8.84	-	5.5 - 9.0	APHA 4500-H ⁺ -B
2	Dissolved Solids (TDS)	2552	mg/l	---	APHA 2540-Solid-C
3	Suspended Solids (TSS)	59	mg/l	100	APHA 2540-Solid-D
4	COD	141	mg/l	250	APHA 5220-B
5	BOD	28	mg/l	30	APHA 5210-B
6	Chlorides	489.2	mg/l	---	IS 3025 (Part 32)
7	Sulphate	254.8	mg/l	---	APHA 4500(SO ₄)-E
8	Sulphide	<0.2	mg/l	2	APHA 4500-(S ₂)-E
9	Phenol	<0.5	mg/l	1	APHA 5530-C
10	Oil & Grease	<2	mg/l	10	APHA 5520-B
11	Bio-Assay	100 % Survival	%	90% Survival	IS 6582

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Reviewed by:

Neelima Dalvi
Technical Manager



End of Report

Authorised by:

Shraddha Kere
Quality Manager



Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
Discipline/ Group : Chemical-Pollution & Environment	Test Report No. : NIL/W/07/24/248				
Sample Type : Waste Water	Sample Code : NIL/W/07/24/248				
Sampling Method : APHA 1060 (B & C)	URL No : TC670924000003025F				
Sampling Date : 22.07.2024	Sample Received : 26.07.2024				
Analysis Start Date : 26.07.2024	Analysis Finish Date : 01.08.2024				
Reporting Date : 02.08.2024	Sample Qty & Pkg. : 5L Plastic Can, 100ml Micro Bottle, Glass Bottle				
Sampling Location : IWWTP Plant	Sampling Done By : Netel India Limited				
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	pH Value	7.24	-	5.5 - 9.0	APHA 4500-H-B, 24th Edition:2023
2	Dissolved Solids (TDS)	1152	mg/l	---	APHA 2540- C, 24th Edition:2023
3	Suspended Solids (TSS)	6	mg/l	100	IS 3025 (Part 21):2022
4	COD	40	mg/l	250	APHA 5220-B, 24th Edition:2023
5	BOD	13	mg/l	30	IS 3025 (Part 44): 2023
6	Chlorides	297	mg/l	---	APHA 4500- Cl-B, 24th Edition:2023
7	Sulphate	127.0	mg/l	---	APHA 4500-SO4 (E), 24th Edition:2023
8	Phenol	<0.5	mg/l	1	APHA 5530-D, 24th Edition:2023
9	Oil & Grease	<2	mg/l	10	IS 3025 (Part 39):2021

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Reviewed by:

Neelima Dalvi
Technical Manager



Authorised by:

Shradha Kere
Quality Manager

End of Report

A Neterwala Group Company

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
Discipline/ Group : Chemical-Pollution & Environment	Test Report No. : NIL/W/07/24/248				
Sample Type : Waste Water	Sample Code : NIL/W/07/24/248				
Sampling Method : APHA 1060 (B & C)	Amb. Temperature : ---				
Sampling Date : 22.07.2024	Sample Received : 26.07.2024				
Analysis Start Date : 26.07.2024	Analysis Finish Date : 01.08.2024				
Reporting Date : 02.08.2024	Sample Qty & Pkng. : 5L Plastic Can, 100ml Micro Bottle, Glass Bottle				
Sampling Location : IWWTP Plant	Sampling Done By : Netel India Limited				
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	Sulphide	<0.2	mg/l	2	APHA 4500- S2--F-, 24th Edition:2023
2	Bio-Assay	100 % Survival	%	90% Survival	IS 6582: 1971

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Neelima Dalvi
Technical Manager



Authorised by:

Shraddha Kere
Quality Manager

End of Report

A Neterwala Group Company

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Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
Discipline/ Group : Chemical-Pollution & Environment			Test Report No. : NIL/W/08/24/129		
Sample Type : Waste Water			Sample Code : NIL/W/08/24/129		
Sampling Method : APHA 1060 (B & C)			URL No : TC670924000003266F		
Sampling Date : 13.08.2024			Sample Received : 17.08.2024		
Analysis Start Date : 17.08.2024			Analysis Finish Date : 23.08.2024		
Reporting Date : 23.08.2024			Sample Qty & Pkng. : 5L Plastic Can, Glass Bottle		
Sampling Location : IWWTP Plant			Sampling Done By : Netel India Limited		
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	pH Value	7.78	-	5.5 - 9.0	APHA 4500-H-B, 24th Edition:2023
2	Dissolved Solids (TDS)	2191	mg/l	---	APHA 2540- C, 24th Edition:2023
3	Suspended Solids (TSS)	6	mg/l	100	IS 3025 (Part 21):2022
4	COD	69	mg/l	250	APHA 5220-B, 24th Edition:2023
5	BOD	21	mg/l	30	IS 3025 (Part 44): 2023
6	Chlorides	442.9	mg/l	---	APHA 4500- Cl-B, 24th Edition:2023
7	Sulphate	716.0	mg/l	---	APHA 4500-SO4 (E), 24th Edition:2023
8	Phenol	<0.5	mg/l	1	APHA 5530-D, 24th Edition:2023
9	Oil & Grease	<2	mg/l	10	IS 3025 (Part 39):2021

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Reviewed by:

Neelima Dalvi
Technical Manager



End of Report

Authorised by:

Shraddha Kere
Quality Manager

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एक कदम स्वच्छता की ओर



Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023					
Discipline/ Group : Chemical-Pollution & Environment	Test Report No. : NIL/W/08/24/129				
Sample Type : Waste Water	Sample Code : NIL/W/08/24/129				
Sampling Method : APHA 1060 (B & C)	Amb. Temperature : ---				
Sampling Date : 13.08.2024	Sample Received : 17.08.2024				
Analysis Start Date : 17.08.2024	Analysis Finish Date : 23.08.2024				
Reporting Date : 23.08.2024	Sample Qty & Pkng. : 5L Plastic Can, Glass Bottle				
Sampling Location : IWWTP Plant	Sampling Done By : Netel India Limited				
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	Sulphide	0.3	mg/l	2	APHA 4500- S2--F-, 24th Edition:2023
2	Bio-Assay	100 % Survival	%	90% Survival	IS 6582: 1971

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Reviewed by:

Neelima Dalvi
Technical Manager

Authorised by:

Shradha Kere
Quality Manager



End of Report

A Neterwala Group Company

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एक कदम स्वच्छता की ओर



Netel (India) Limited



TC 6709

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.	
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125	
Customer Reference : Work Order No.: MO8/260052064, Dated 26.03.2024	
Discipline/ Group : Chemical-Pollution & Environment	Test Report No. : NIL/W/09/24/140
Sample Type : Waste Water	Sample Code : NIL/W/09/24/140
Sampling Method : APHA 1060 (B & C)	URL No : TC670924000003714F
Sampling Date : 17.09.2024	Sample Received : 21.09.2024
Analysis Start Date : 21.09.2024	Analysis Finish Date : 27.09.2024
Reporting Date : 30.09.2024	Sample Qty & Pkng. : 5L Plastic Can/Glass Bottle
Sampling Location : IWWTP Plant	Sampling Done By : Netel India Limited

Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	pH Value	8.69	-	5.5 - 9.0	APHA 4500-H-B, 24th Edition:2023
2	Dissolved Solids (TDS)	2585	mg/l	---	APHA 2540- C, 24th Edition:2023
3	Suspended Solids (TSS)	8	mg/l	100	IS 3025 (Part 21):2022
4	COD	72	mg/l	250	APHA 5220-B, 24th Edition:2023
5	BOD	22	mg/l	30	IS 3025 (Part 44): 2023
6	Chlorides	533.6	mg/l	---	APHA 4500- Cl-B, 24th Edition:2023
7	Sulphate	361.9	mg/l	---	APHA 4500-SO4 (E), 24th Edition:2023
8	Phenol	<0.5	mg/l	1	APHA 5530-D, 24th Edition:2023
9	Oil & Grease	<2	mg/l	10	IS 3025 (Part 39):2021

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Reviewed by:

Neelima Dalvi
Technical Manager



End of Report

Authorised by:

Shradha Kere
Quality Manager

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.					
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125					
Customer Reference : Work Order No.: MO8/260052064, Dated 26.03.2024					
Discipline/ Group : Chemical-Pollution & Environment			Test Report No. : NIL/W/09/24/140		
Sample Type : Waste Water			Sample Code : NIL/W/09/24/140		
Sampling Method : APHA 1060 (B & C)			Amb. Temperature : ---		
Sampling Date : 17.09.2024			Sample Received : 21.09.2024		
Analysis Start Date : 21.09.2024			Analysis Finish Date : 27.09.2024		
Reporting Date : 30.09.2024			Sample Qty & Pkng. : 5L Plastic Can		
Sampling Location : IWWTP Plant			Sampling Done By : Netel India Limited		
Sr. No.	Parameters	Result	Unit	CPCB Limits	Method
1	Sulphide	<0.2	mg/l	2	APHA 4500- S2--F-, 24th Edition:2023
2	Bio-Assay	100 % Survival	%	90% Survival	IS 6582: 1971

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Reviewed by:

Neelima Dalvi
Technical Manager



Authorised by:

Shraddha Kere
Quality Manager

End of Report

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MONTHLY NOISE LEVEL MONITORING SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

Month : April, 2024

Instrument Used : Lutron - Q640774	Calibration Date : 26.06.20223(due on 25.06.2024)
------------------------------------	---

Sr. No.	Location	Week 1	Week 2	Week 3	Week 4	Week 5	Minimum	Maximum	Average
		01.04.2024 - 02.04.2024	10.04.2024 - 11.04.2024	15.04.2024 - 16.04.2024	23.04.2024 - 24.04.2024	29.04.2024 - 30.04.2024			
Day Summary									
1	Materials Gate	66.6	67.5	67.2	66.1	63.5	63.5	67.5	66.4
2	Stores	55.2	55.9	57.7	53.1	52.8	52.8	57.7	55.3
3	EO / EG End	63.4	58.7	64.9	66.7	66.1	58.7	66.7	64.7
4	F & A	63.3	66.0	66.3	60.7	64.4	60.7	66.3	64.6
5	Time Office (Continuous monitoring)	65.2	68.0	62.6	66.2	63.0	62.6	68.0	65.5
6	Pipe Line GRT	55.4	57.6	60.5	52.0	51.3	51.3	60.5	56.7
7	Family Welfare Center	57.7	57.6	57.6	54.8	52.9	52.9	57.7	56.5
Night Summary									
1	Materials Gate	62.5	62.1	61.1	61.5	59.9	59.9	62.5	61.5
2	Stores	56.1	54.3	55.8	51.9	50.8	50.8	56.1	54.3
3	EO / EG End	66.4	65.8	69.0	65.0	64.1	64.1	69.0	66.4
4	F & A	60.0	62.9	61.5	59.2	60.8	59.2	62.9	61.1
5	Time Office (Continuous monitoring)	65.8	61.8	62.5	63.8	60.9	60.9	65.8	63.3
6	Pipe Line GRT	52.8	55.0	58.3	50.8	49.4	49.4	58.3	54.4
7	Family Welfare Center	51.7	51.7	53.1	52.2	50.5	50.5	53.1	51.9

Note: As per Gazette of India vide S.O. 123(E), Dtd 14.2.2000, for Incl. area day and night time limits are 75 and 70 dBA respectively.

Verified by

Neelima Dalvi
Neelima Dalvi
Technical Manager



Issued by

Shraddha Kere
Shraddha Kere
Quality Manager

Netel (India) Limited



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MONTHLY NOISE LEVEL MONITORING SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

Month : May 2024

Instrument Used : Lutron - Q640774		Calibration Date : 26.06.2023(due on 25.06.2024)						
Sr. No.	Location	Week 1	Week 2	Week 3	Week 4	Minimum	Maximum	Average
		06.05.2024 - 07.05.2024	13.05.2024 - 14.05.2024	20.05.2024 - 21.05.2024	26.05.2024 - 27.05.2024			
Day Summary								
1	Materials Gate	68.3	61.9	60.7	61.4	60.7	68.3	64.3
2	Stores	52.3	52.5	54.1	52.3	52.3	54.1	52.9
3	EO / EG End	65.2	66.9	62.9	65.9	65.2	66.9	65.2
4	F & A	58.8	62.1	66.3	59.2	58.8	66.3	62.7
5	Time Office (Continuous monitoring)	73.0	69.6	64.7	64.4	64.4	73.0	69.4
6	Pipe Line GRT	51.6	51.9	53.1	50.8	50.8	53.1	51.9
7	Family Welfare Center	54.7	55.5	54.0	55.5	54.0	55.5	55.0
Night Summary								
1	Materials Gate	58.3	59.0	59.9	57.3	57.3	59.9	58.7
2	Stores	50.5	51.3	52.9	49.9	49.9	52.9	51.3
3	EO / EG End	62.9	64.2	55.4	64.3	62.9	74.5	69.5
4	F & A	56.4	58.9	64.2	56.1	56.1	64.2	60.3
5	Time Office (Continuous monitoring)	54.9	53.2	82.7	56.0	53.2	82.7	61.7
6	Pipe Line GRT	50.7	49.9	52.8	49.0	49.0	52.8	50.8
7	Family Welfare Center	52.2	50.9	52.0	55.9	50.9	55.9	53.2

Note: As per Gazette of India vide S.O. 123(E), Dtd 14.2.2000, for Inld. area day and night time limits are 75 and 70 dBA respectively.

Reviewed by

Neelima Dalvi
 Technical Manager



Authorised by

Shraddha Kere
 Quality Manager

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MONTHLY NOISE LEVEL MONITORING SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

Month : June, 2024

Instrument Used : Lutron - Q640774	Calibration Date : 26.06.2023(due on 25.06.2024)
------------------------------------	--

Sr. No.	Location	Week 1	Week 2	Week 3	Week 4	Minimum	Maximum	Average
		03.06.2024 - 04.06.2024	10.06.2024 - 11.06.2024	17.06.2024 - 18.06.2024	24.06.2024 - 25.06.2024			
Day Summary								
1	Materials Gate	60.3	63.8	65.0	62.7	60.3	65.0	63.3
2	Stores	50.9	51.8	53.3	52.1	50.9	53.3	52.1
3	EO / EG End	66.1	68.1	68.1	65.9	65.9	68.1	67.2
4	F & A	59.6	60.4	62.5	61.0	59.6	62.5	61.0
5	Time Office (Continuous monitoring)	62.8	54.1	64.0	62.0	54.1	64.0	61.9
6	Pipe Line GRT	51.8	52.9	54.4	51.9	51.8	54.4	52.9
7	Family Welfare Center	55.5	55.4	56.7	56.4	55.4	56.7	56.0
Night Summary								
1	Materials Gate	58.5	57.8	59.6	58.2	57.8	59.6	58.6
2	Stores	48.9	49.4	51.4	50.7	48.9	51.4	50.2
3	EO / EG End	64.4	63.5	65.0	64.0	63.5	65.0	64.3
4	F & A	58.0	58.2	59.8	58.8	58.0	59.8	58.8
5	Time Office (Continuous monitoring)	62.1	52.1	62.1	54.3	52.1	62.1	59.6
6	Pipe Line GRT	50.5	51.3	52.1	49.7	49.7	52.1	51.0
7	Family Welfare Center	50.8	48.8	54.2	53.7	48.8	54.2	52.4

Note: As per Gazette of India vide S.O. 123(E), Dtd 14.2.2000, for Indl. area day and night time limits are 75 and 70 dBA respectively.

Reviewed by



Neelima Dalvi
Technical Manager



Authorised by



Shraddha Kere
Quality Manager

Netel (India) Limited



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MONTHLY NOISE LEVEL MONITORING SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

Month : July, 2024

Instrument Used : Lutron - Q640774	Calibration Date : 28.05.2024(due on 27.05.2025)
------------------------------------	--

Sr. No.	Location	Week 1	Week 2	Week 3	Week 4	Week 5	Minimum	Maximum	Average
		01.07.2024 - 02.07.2024	08.07.2024 - 09.07.2024	15.07.2024 - 16.07.2024	22.07.2024 - 23.07.2024	29.07.2024 - 30.07.2024			
Day Summary									
1	Materials Gate	64.7	65.6	64.3	61.8	62.1	61.8	65.6	63.9
2	Stores	51.9	52.4	53.5	50.9	51.9	50.9	53.5	52.2
3	EO / EG End	66.8	66.9	67.4	64.4	66.5	64.4	67.4	66.5
4	F & A	59.6	61.0	62.5	58.7	61.5	58.7	62.5	60.9
5	Time Office (Continuous monitoring)	61.7	53.1	59.3	63.6	54.6	53.1	63.6	60.1
6	Pipe Line GRT	52.2	53.1	52.7	50.5	51.9	50.5	53.1	52.2
7	Family Welfare Center	57.3	55.8	55.9	56.1	55.8	55.8	57.3	56.2
Night Summary									
1	Materials Gate	59.7	61.5	59.9	58.4	57.8	57.8	61.5	59.7
2	Stores	50.1	50.7	50.9	48.8	49.5	48.8	50.9	50.1
3	EO / EG End	63.9	65.0	65.2	63.3	64.4	63.3	65.2	64.4
4	F & A	56.4	58.6	59.5	55.8	59.9	55.8	59.9	58.3
5	Time Office (Continuous monitoring)	61.7	53.8	55.8	61.1	50.4	50.4	61.7	58.4
6	Pipe Line GRT	50.0	51.3	50.3	48.6	49.2	48.6	51.3	50.0
7	Family Welfare Center	53.2	51.7	52.6	51.7	52.7	51.7	53.2	52.4

Note: As per Gazette of India vide S.O. 123(E), Dtd 14.2.2000, for Indl. area day and night time limits are 75 and 70 dBA respectively.

Verified by



Neelima Dalvi
Technical Manager



Issued by



Shraddha Kere
Quality Manager

Netel (India) Limited



A Netenwala Group Company

Office & Laboratory

W-408, Rabale MIDC,
TTC Industrial Area,
Navi Mumbai - 400701,
India.

Tel. : 022 20877101

GST : 27AABCB8692H1Z0
CIN : U74999MH2003PLC142228

E-mail : ems@netel-india.com
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Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-22066231/61



MONTHLY NOISE LEVEL MONITORING SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

Month : August, 2024

Instrument Used : Lutron - Q640774	Calibration Date : 28.05.2024(due on 27.05.2025)
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Sr. No.	Location	Week 1	Week 2	Week 3	Week 4	Minimum	Maximum	Average
		05.08.2024 - 06.08.2024	12.08.2024 - 13.08.2024	20.08.2024 - 21.08.2024	26.08.2024 - 27.08.2024			
Day Summary								
1	Materials Gate	61.9	63.5	64.5	65.3	61.9	65.3	64.0
2	Stores	52.8	52.5	51.7	52.9	51.7	52.9	52.5
3	EO / EG End	66.8	66.6	67.0	67.1	66.6	67.1	66.9
4	F & A	60.5	60.6	59.2	61.4	59.2	61.4	60.5
5	Time Office (Continuous monitoring)	61.2	60.8	51.3	56.8	51.3	61.2	58.9
6	Pipe Line GRT	51.6	52.6	50.6	50.8	50.6	52.6	51.5
7	Family Welfare Center	56.4	57.1	55.9	56.5	55.9	57.1	56.5
Night Summary								
1	Materials Gate	58.1	59.4	60.9	59.2	58.1	60.9	59.5
2	Stores	48.9	50.7	48.1	49.9	48.1	50.7	49.5
3	EO / EG End	65.3	64.8	65.4	64.3	64.3	65.4	65.0
4	F & A	57.6	58.6	56.3	58.3	56.3	58.6	57.8
5	Time Office (Continuous monitoring)	60.0	59.5	60.5	58.2	58.2	60.5	59.6
6	Pipe Line GRT	48.3	50.5	49.1	49.2	48.3	50.5	49.3
7	Family Welfare Center	52.2	52.1	51.6	51.4	51.4	52.2	51.8

Note: As per Gazette of India vide S.O. 123(E), Dtd 14.2.2000, for Indl. area day and night time limits are 75 and 70 dBA respectively.

Verified by



Neelima Dalvi
Technical Manager



Issued by



Shradha Kere
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Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-2206623/1/61



MONTHLY NOISE LEVEL MONITORING SUMMARY REPORT

M/s. Reliance Industries Limited, Nagothane

Month : September, 2024

Instrument Used : Lutron - Q640774	Calibration Date : 28.05.2024(due on 27.05.2025)
------------------------------------	--

Sr. No.	Location	Week 1	Week 2	Week 3	Week 4	Minimum	Maximum	Average
		02.09.2024 - 03.09.2024	09.09.2024 - 10.09.2024	16.09.2024 - 17.09.2024	23.09.2024 - 24.09.2024			
Day Summary								
1	Materials Gate	63.6	62.2	63.8	64.3	62.2	64.3	63.5
2	Stores	51.9	53.6	51.9	52.7	51.9	53.6	52.6
3	EO / EG End	66.6	67.8	65.8	66.2	65.8	67.8	66.7
4	F & A	60.2	61.5	59.1	59.5	59.1	61.5	60.2
5	Time Office (Continuous monitoring)	55.9	64.9	59.0	60.0	55.9	64.9	61.2
6	Pipe Line GRT	50.3	52.8	49.6	50.9	49.6	52.8	51.1
7	Family Welfare Center	57.1	58.3	56.9	55.9	55.9	58.3	57.1
Night Summary								
1	Materials Gate	59.0	57.9	60.6	58.7	57.9	60.6	59.2
2	Stores	49.4	50.8	49.1	48.9	48.9	50.8	49.6
3	EO / EG End	65.5	66.2	63.4	65.1	63.4	66.2	65.2
4	F & A	58.7	56.5	56.8	58.3	56.5	58.7	57.7
5	Time Office (Continuous monitoring)	58.6	60.6	61.2	63.1	58.6	63.1	61.2
6	Pipe Line GRT	48.2	51.2	47.9	47.9	47.9	51.2	49.0
7	Family Welfare Center	51.6	51.6	52.8	48.6	48.6	52.8	51.4

Note: As per Gazette of India vide S.O. 123(E), Dtd 14.2.2000, for Indl. area day and night time limits are 75 and 70 dBA respectively.

Verified by



Neelima Dalvi
Technical Manager



Issued by



Shraddha Kere
Quality Manager

Netel (India) Limited



A Netenwala Group Company

Office & Laboratory
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Tel. : 022 20877101
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Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-2206623/1/61





TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/06/24/145			
Sample Type : Ground Water	Sample Code : NIL/W/06/24/145			
Sampling Method : IS 3025 (Part 1)	Amb. Temperature : ---			
Sampling Date : 13.06.2024	Sample Received : 14.06.2024			
Analysis Start Date : 14.06.2024	Analysis Finish Date : 20.06.2024			
Reporting Date : 21.06.2024	Sample Qty & Pkng. : 2 Litres Plastic Can + 1 Litre Glass Bottle			
Sampling Location : Dug Well Village Nagothane	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	pH Value	7.42	-	APHA 4500-H ⁺ -B
2	Turbidity	8.8	NTU	IS 3025 (Part 10)
3	Total Hardness (as CaCO ₃)	168.3	mg/l	IS 3025 (Part 21)
4	Dissolved Solids (TDS)	282	mg/l	APHA 2540-Solid-C
5	Suspended Solids (TSS)	24	mg/l	APHA 2540-Solid-D
6	Alkalinity (as CaCO ₃)	31.5	mg/l	IS 3025 (Part 23)
7	Iron (as Fe)	<0.1	mg/l	APHA 3111-B
8	Nickel (as Ni)	<0.02	mg/l	APHA 3111-B
9	Copper (as Cu)	<0.04	mg/l	APHA 3111-B
10	Sulphate (as SO ₄)	7.9	mg/l	APHA 4500(SO ₄)-E
11	Nitrate (as NO ₃ ⁻)	<0.5	mg/l	IS 3025 (Part 34)
12	Fluoride (as F)	<0.2	mg/l	IS 3025 (Part 60)
13	Phenolic Compounds (as C ₆ H ₆ OH)	<0.5	mg/l	APHA 5530-C & D
14	Lead (as Pb)	<0.05	mg/l	APHA 3111-B
15	Zinc (as Zn)	<0.1	mg/l	APHA 3111-B
16	Chromium (as Cr ⁺⁶)	<0.05	mg/l	APHA 3111-B
17	Vanadium	<0.5	mg/l	APHA 3111-D
18	Mineral Oil	<0.5	mg/l	IS 3025 (Part 39)
19	Total Coliforms	6	MPN/100ml	IS 1622
20	Phosphates (as PO ₄)	<3	mg/l	IS 3025 (Part 31)
21	Nitrite as (NO ₂)	<0.01	mg/l	APHA 4500(NO ₂)-B
22	Sodium (as Na)	7.2	mg/l	IS 3025 (Part 45)
23	Potassium (as K)	<0.1	mg/l	IS 3025 (Part 45)
24	Chlorides (as Cl)	24.4	mg/l	IS 3025 (Part 32)
25	Dissolved Oxygen (DO)	6.2	mg/l	APHA 2150(O)-B
26	Oil & Grease	<2	mg/l	APHA 5520-B
27	Phosphorous	<1.0	mg/l	IS 3025 (Part 31)
28	Salinity	0.08	ppt	IS 3025 (Part 32)

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Reviewed by:

Neelima Dalvi
Technical Manager



End of Report

Authorised by:

Shradha Kere
Quality Manager



**TEST REPORT**

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/06/24/146			
Sample Type : Ground Water	Sample Code : NIL/W/06/24/146			
Sampling Method : IS 3025 (Part 1)	Amb. Temperature : ---			
Sampling Date : 13.06.2024	Sample Received : 14.06.2024			
Analysis Start Date : 14.06.2024	Analysis Finish Date : 20.06.2024			
Reporting Date : 21.06.2024	Sample Qty & Pkng. : 2 Litres Plastic Can + 1 Litre Glass Bottle			
Sampling Location : Dug Well Village Medha	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	pH Value	7.37	-	APHA 4500-H ⁺ -B
2	Turbidity	7.9	NTU	IS 3025 (Part 10)
3	Total Hardness (as CaCO ₃)	217.8	mg/l	IS 3025 (Part 21)
4	Dissolved Solids (TDS)	366	mg/l	APHA 2540-Solid-C
5	Suspended Solids (TSS)	28	mg/l	APHA 2540-Solid-D
6	Alkalinity (as CaCO ₃)	37.8	mg/l	IS 3025 (Part 23)
7	Iron (as Fe)	<0.1	mg/l	APHA 3111-B
8	Nickel (as Ni)	<0.02	mg/l	APHA 3111-B
9	Copper (as Cu)	<0.04	mg/l	APHA 3111-B
10	Sulphate (as SO ₄)	8.2	mg/l	APHA 4500(SO ₄)-E
11	Nitrate (as NO ₃ ⁻)	<0.5	mg/l	IS 3025 (Part 34)
12	Fluoride (as F)	<0.2	mg/l	IS 3025 (Part 60)
13	Phenolic Compounds (as C ₆ H ₆ OH)	<0.5	mg/l	APHA 5530-C & D
14	Lead (as Pb)	<0.05	mg/l	APHA 3111-B
15	Zinc (as Zn)	<0.1	mg/l	APHA 3111-B
16	Chromium (as Cr ⁺⁶)	<0.05	mg/l	APHA 3111-B
17	Vanadium	<0.5	mg/l	APHA 3111-D
18	Mineral Oil	<0.5	mg/l	IS 3025 (Part 39)
19	Total Coliforms	4	MPN/100ml	IS 1622
20	Phosphates (as PO ₄)	<3	mg/l	IS 3025 (Part 31)
21	Nitrite as (NO ₂)	<0.01	mg/l	APHA 4500(NO ₂)-B
22	Sodium (as Na)	7.8	mg/l	IS 3025 (Part 45)
23	Potassium (as K)	<0.1	mg/l	IS 3025 (Part 45)
24	Chlorides (as Cl)	40.1	mg/l	IS 3025 (Part 32)
25	Dissolved Oxygen (DO)	6.3	mg/l	APHA 2150(O)-B
26	Oil & Grease	<2	mg/l	APHA 5520-B
27	Phosphorous	<1.0	mg/l	IS 3025 (Part 31)
28	Salinity	0.1	ppt	IS 3025 (Part 32)

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Reviewed by:

Neelima Dalvi
Technical Manager

End of Report

Authorised by:

Shradha Kere
Quality Manager

**TEST REPORT**

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023				
Discipline/ Group : Chemical-Water		Test Report No. : NIL/W/06/24/147		
Sample Type : Ground Water		Sample Code : NIL/W/06/24/147		
Sampling Method : IS 3025 (Part 1)		Amb. Temperature : ---		
Sampling Date : 13.06.2024		Sample Received : 14.06.2024		
Analysis Start Date : 14.06.2024		Analysis Finish Date : 20.06.2024		
Reporting Date : 21.06.2024		Sample Qty & Pkng. : 2 Litres Plastic Can + 1 Litre Glass Bottle		
Sampling Location : Hand Pump Village Bense		Sampling Done By : Netel (India) Limited		
Sr. No.	Parameters	Result	Unit	Method
1	pH Value	7.11	-	APHA 4500-H ⁺ -B
2	Turbidity	7.6	NTU	IS 3025 (Part 10)
3	Total Hardness (as CaCO ₃)	83.2	mg/l	IS 3025 (Part 21)
4	Dissolved Solids (TDS)	158	mg/l	APHA 2540-Solid-C
5	Suspended Solids (TSS)	16	mg/l	APHA 2540-Solid-D
6	Alkalinity (as CaCO ₃)	23.1	mg/l	IS 3025 (Part 23)
7	Iron (as Fe)	<0.1	mg/l	APHA 3111-B
8	Nickel (as Ni)	<0.02	mg/l	APHA 3111-B
9	Copper (as Cu)	<0.04	mg/l	APHA 3111-B
10	Sulphate (as SO ₄)	4	mg/l	APHA 4500(SO ₄)-E
11	Nitrate (as NO ₃ ⁻)	<0.5	mg/l	IS 3025 (Part 34)
12	Fluoride (as F)	<0.2	mg/l	IS 3025 (Part 60)
13	Phenolic Compounds (as C ₆ H ₆ OH)	<0.5	mg/l	APHA 5530-C & D
14	Lead (as Pb)	<0.05	mg/l	APHA 3111-B
15	Zinc (as Zn)	<0.1	mg/l	APHA 3111-B
16	Chromium (as Cr ⁺⁶)	<0.05	mg/l	APHA 3111-B
17	Vanadium	<0.5	mg/l	APHA 3111-D
18	Mineral Oil	<0.5	mg/l	IS 3025 (Part 39)
19	Total Coliforms	5	MPN/100ml	IS 1622
20	Phosphates (as PO ₄)	<3	mg/l	IS 3025 (Part 31)
21	Nitrite as (NO ₂)	<0.01	mg/l	APHA 4500(NO ₂)-B
22	Sodium (as Na)	48.9	mg/l	IS 3025 (Part 45)
23	Potassium (as K)	<0.1	mg/l	IS 3025 (Part 45)
24	Chlorides (as Cl)	23.4	mg/l	IS 3025 (Part 32)
25	Dissolved Oxygen (DO)	6.9	mg/l	APHA 2150(O)-B
26	Oil & Grease	<2	mg/l	APHA 5520-B
27	Phosphorous	<1.0	mg/l	IS 3025 (Part 31)
28	Salinity	0.07	ppt	IS 3025 (Part 32)

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Reviewed by:

Neelima Dalvi
Technical Manager

End of Report

Authorised by:

Shradha Kere
Quality Manager



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.	
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125	
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023	
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/06/24/148
Sample Type : Ground Water	Sample Code : NIL/W/06/24/148
Sampling Method : IS 3025 (Part 1)	Amb. Temperature : ---
Sampling Date : 13.06.2024	Sample Received : 14.06.2024
Analysis Start Date : 14.06.2024	Analysis Finish Date : 20.06.2024
Reporting Date : 21.06.2024	Sample Qty & Pkng. : 2 Litres Plastic Can + 1 Litre Glass Bottle
Sampling Location : Plant Well	Sampling Done By : Netel (India) Limited

Sr. No.	Parameters	Result	Unit	Method
1	pH Value	7.11	-	APHA 4500-H ⁺ -B
2	Turbidity	8.9	NTU	IS 3025 (Part 10)
3	Total Hardness (as CaCO ₃)	83.2	mg/l	IS 3025 (Part 21)
4	Dissolved Solids (TDS)	178	mg/l	APHA 2540-Solid-C
5	Suspended Solids (TSS)	22	mg/l	APHA 2540-Solid-D
6	Alkalinity (as CaCO ₃)	22.1	mg/l	IS 3025 (Part 23)
7	Iron (as Fe)	<0.1	mg/l	APHA 3111-B
8	Nickel (as Ni)	<0.02	mg/l	APHA 3111-B
9	Copper (as Cu)	<0.04	mg/l	APHA 3111-B
10	Sulphate (as SO ₄)	4.2	mg/l	APHA 4500(SO ₄)-E
11	Nitrate (as NO ₃ ⁻)	<0.5	mg/l	IS 3025 (Part 34)
12	Fluoride (as F)	<0.2	mg/l	IS 3025 (Part 60)
13	Phenolic Compounds (as C ₆ H ₆ OH)	<0.5	mg/l	APHA 5530-C & D
14	Lead (as Pb)	<0.05	mg/l	APHA 3111-B
15	Zinc (as Zn)	<0.1	mg/l	APHA 3111-B
16	Chromium (as Cr ⁺⁶)	<0.05	mg/l	APHA 3111-B
17	Vanadium	<0.5	mg/l	APHA 3111-D
18	Mineral Oil	<0.5	mg/l	IS 3025 (Part 39)
19	Total Coliforms	4	MPN/100ml	IS 1622
20	Phosphates (as PO ₄)	<3	mg/l	IS 3025 (Part 31)
21	Nitrite as (NO ₂)	<0.01	mg/l	APHA 4500(NO ₂)-B
22	Sodium (as Na)	8.9	mg/l	IS 3025 (Part 45)
23	Potassium (as K)	<0.1	mg/l	IS 3025 (Part 45)
24	Chlorides (as Cl)	21.5	mg/l	IS 3025 (Part 32)
25	Dissolved Oxygen (DO)	6.7	mg/l	APHA 2150(O)-B
26	Oil & Grease	<2	mg/l	APHA 5520-B
27	Phosphorous	<1.0	mg/l	IS 3025 (Part 31)
28	Salinity	0.07	ppt	IS 3025 (Part 32)

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Reviewed by:

Neelima Dalvi
Technical Manager



End of Report

Authorised by:

Shraddha Kere
Quality Manager



**TEST REPORT**

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260044711, Dated 17.04.2023				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/06/24/149			
Sample Type : Ground Water	Sample Code : NIL/W/06/24/149			
Sampling Method : IS 3025 (Part 1)	Amb. Temperature : ---			
Sampling Date : 13.06.2024	Sample Received : 14.06.2024			
Analysis Start Date : 14.06.2024	Analysis Finish Date : 20.06.2024			
Reporting Date : 21.06.2024	Sample Qty & Pkng. : 2 Litres Plastic Can + 1 Litre Glass Bottle			
Sampling Location : Well Reliance Township	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	pH Value	7.03	-	APHA 4500-H ⁺ -B
2	Turbidity	8.2	NTU	IS 3025 (Part 10)
3	Total Hardness (as CaCO ₃)	83.2	mg/l	IS 3025 (Part 21)
4	Dissolved Solids (TDS)	166	mg/l	APHA 2540-Solid-C
5	Suspended Solids (TSS)	24	mg/l	APHA 2540-Solid-D
6	Alkalinity (as CaCO ₃)	23.1	mg/l	IS 3025 (Part 23)
7	Iron (as Fe)	<0.1	mg/l	APHA 3111-B
8	Nickel (as Ni)	<0.02	mg/l	APHA 3111-B
9	Copper (as Cu)	<0.04	mg/l	APHA 3111-B
10	Sulphate (as SO ₄)	4.8	mg/l	APHA 4500(SO ₄)-E
11	Nitrate (as NO ₃ ⁻)	<0.5	mg/l	IS 3025 (Part 34)
12	Fluoride (as F)	<0.2	mg/l	IS 3025 (Part 60)
13	Phenolic Compounds (as C ₆ H ₆ OH)	<0.5	mg/l	APHA 5530-C & D
14	Lead (as Pb)	<0.05	mg/l	APHA 3111-B
15	Zinc (as Zn)	<0.1	mg/l	APHA 3111-B
16	Chromium (as Cr ⁺⁶)	<0.05	mg/l	APHA 3111-B
17	Vanadium	<0.5	mg/l	APHA 3111-D
18	Mineral Oil	<0.5	mg/l	IS 3025 (Part 39)
19	Total Coliforms	3	MPN/100ml	IS 1622
20	Phosphates (as PO ₄)	<3	mg/l	IS 3025 (Part 31)
21	Nitrite as (NO ₂)	<0.01	mg/l	APHA 4500(NO ₂)-B
22	Sodium (as Na)	8.8	mg/l	IS 3025 (Part 45)
23	Potassium (as K)	<0.1	mg/l	IS 3025 (Part 45)
24	Chlorides (as Cl)	10.8	mg/l	IS 3025 (Part 32)
25	Dissolved Oxygen (DO)	6.7	mg/l	APHA 2150(O)-B
26	Oil & Grease	<2	mg/l	APHA 5520-B
27	Phosphorous	<1.0	mg/l	IS 3025 (Part 31)
28	Salinity	0.05	ppt	IS 3025 (Part 32)

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Reviewed by:

Neelima Dalvi
Technical Manager

End of Report

Authorised by:

Shradha Kere
Quality Manager



Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water		Test Report No. : NIL/W/09/24/142		
Sample Type : Ground Water		Sample Code : NIL/W/09/24/142		
Sampling Method : IS 3025 (Part 1)		URL No : TC670924000003716F		
Sampling Date : 18.09.2024		Sample Received : 21.09.2024		
Analysis Start Date : 21.09.2024		Analysis Finish Date : 27.09.2024		
Reporting Date : 30.09.2024		Sample Qty & Pkng. : 2L Plastic Can		
Sampling Location : Dug Well Village Medha		Sampling Done By : Netel (India) Limited		
Sr. No.	Parameters	Result	Unit	Method
1	pH	7.2	---	IS 3025 (Part 11):2022
2	Turbidity	3.1	NTU	IS 3025 (Part 10) 1984: 2023
3	Total Dissolved Solids (TDS)	150	mg/l	IS 3025 (Part 16):2023
4	Total Suspended Solids (TSS)	<5	mg/l	IS 3025 (Part 21):2022
5	Total Hardness	85.1	mg/l	IS 3025 (part 21) 2009, (RA 2019)
6	Chloride (Cl)	7	mg/l	IS 3025 (Part 32) 1988 (RA 2019)
7	Sulphate (SO4-2)	2.1	mg/l	APHA 4500-SO4 (E), 24th Edition:2023
8	Fluoride (F-)	<0.2	mg/l	IS 3025 (Part 60) 2008 (RA 2019)
9	Nitrate (NO3-)	<0.5	mg/l	IS 3025(Part 34) 1988, (RA 2019)
10	Nitrite	<0.01	mg/l	APHA 4500-NO2-B, 24th Edition:2023
11	Phenolic Compounds	<0.5	mg/l	APHA 5530-D, 24th Edition:2023
12	Iron (Fe)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
13	Zinc (Zn)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
14	Copper (Cu)	<0.04	mg/l	APHA 3111-B, 24th Edition:2023
15	Nickel (Ni)	<0.02	mg/l	APHA 3111-B, 24th Edition:2023
16	Chromium (Cr)	<0.01	mg/l	APHA 3111-B, 24th Edition:2023
17	Sodium (Na)	7.5	mg/l	IS 3025(Part 45): 1993 (RA 2019)
18	Potassium (K)	<0.1	mg/l	IS 3025 (Part 45): 1993;(RA 2019)
19	Vanadium (V)	<0.5	mg/l	APHA 3111-D, 24th Edition:2023
20	Chromium (Cr6+)	<0.05	mg/l	APHA 3500-Cr-B, 24th Edition:2023

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Reviewed by:

Neelima Dalvi
Technical Manager



Authorised by:

Shraddha Kere
Quality Manager

A Neterwala Group Company

End of Report

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Netel (India) Limited

TEST REPORT

Customer Name	: M/s. Reliance Industries Limited.			
Customer Address	: Nagothane, Taluka Roha, District Raigad - 402 125			
Customer Reference	: Work Order No.: MO8/260052064 Dated 26.03.2024			
Discipline/ Group	: Chemical-Water	Test Report No.	: NIL/W/09/24/142	
Sample Type	: Ground Water	Sample Code	: NIL/W/09/24/142	
Sampling Method	: IS 3025 (Part 1)	Amb. Temperature	: ---	
Sampling Date	: 18.09.2024	Sample Received	: 21.09.2024	
Analysis Start Date	: 21.09.2024	Analysis Finish Date	: 27.09.2024	
Reporting Date	: 30.09.2024	Sample Qty & Pkng.	: 2L Plastic Can, 100ml micro Bottle	
Sampling Location	: Dug Well Village Medha	Sampling Done By	: Netel (India) Limited	
Sr. No.	Parameters	Result	Unit	Method
1	Dissolved Oxygen (DO)	6.2	mg/l	APHA 4500- O-B, 24th Edition:2023
2	Salinity	0.04	PPTH	IS 3025 (Part 32) 1988
3	Phosphate(P)	<3.0	mg/l	IS 3025 (Part 31/Sec1):2022
4	Arsenic (As)	<0.01		APHA 3030-F, APHA 3114 C, 24th Edition
5	Mineral Oil	<0.5	mg/l	IS 3025(Part 39),RA 2003
6	Total Coliform	5.0	MPN/100ml	IS 1622: 1981

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Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/09/24/143			
Sample Type : Ground Water	Sample Code : NIL/W/09/24/143			
Sampling Method : IS 3025 (Part 1)	URL No : TC670924000003717F			
Sampling Date : 18.09.2024	Sample Received : 21.09.2024			
Analysis Start Date : 21.09.2024	Analysis Finish Date : 27.09.2024			
Reporting Date : 30.09.2024	Sample Qty & Pkng. : 2L Plastic Can			
Sampling Location : Hand Pump Village Bense	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	pH	6.8	----	IS 3025 (Part 11):2022
2	Turbidity	4.5	NTU	IS 3025 (Part 10) 1984: 2023
3	Total Dissolved Solids (TDS)	184	mg/l	IS 3025 (Part 16):2023
4	Total Suspended Solids (TSS)	6	mg/l	IS 3025 (Part 21):2022
5	Total Hardness	108.9	mg/l	IS 3025 (part 21) 2009, (RA 2019)
6	Chloride (Cl)	6	mg/l	IS 3025 (Part 32) 1988 (RA 2019)
7	Sulphate (SO4-2)	3.8	mg/l	APHA 4500-SO4 (E), 24th Edition:2023
8	Fluoride (F-)	<0.2	mg/l	IS 3025 (Part 60) 2008 (RA 2019)
9	Nitrate (NO3-)	<0.5	mg/l	IS 3025(Part 34) 1988, (RA 2019)
10	Nitrite	<0.01	mg/l	APHA 4500-NO2-B, 24th Edition:2023
11	Phenolic Compounds	<0.5	mg/l	APHA 5530-D, 24th Edition:2023
12	Iron (Fe)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
13	Zinc (Zn)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
14	Copper (Cu)	<0.04	mg/l	APHA 3111-B, 24th Edition:2023
15	Nickel (Ni)	<0.02	mg/l	APHA 3111-B, 24th Edition:2023
16	Chromium (Cr)	<0.01	mg/l	APHA 3111-B, 24th Edition:2023
17	Sodium (Na)	8.4	mg/l	IS 3025(Part 45): 1993 (RA 2019)
18	Potassium (K)	<0.1	mg/l	IS 3025 (Part 45): 1993;(RA 2019)
19	Vanadium (V)	<0.5	mg/l	APHA 3111-D, 24th Edition:2023
20	Chromium (Cr6+)	<0.05	mg/l	APHA 3500-Cr-B, 24th Edition:2023

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Technical Manager



End of Report

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water		Test Report No. : NIL/W/09/24/143		
Sample Type : Ground Water		Sample Code : NIL/W/09/24/143		
Sampling Method : IS 3025 (Part 1)		Amb. Temperature : --		
Sampling Date : 18.09.2024		Sample Received : 21.09.2024		
Analysis Start Date : 21.09.2024		Analysis Finish Date : 27.09.2024		
Reporting Date : 30.09.2024		Sample Qty & Pkng. : 2L Plastic Can, 100ml micro Bottle		
Sampling Location : Hand Pump Village Bense		Sampling Done By : Netel (India) Limited		
Sr. No.	Parameters	Result	Unit	Method
1	Dissolved Oxygen (DO)	6.0	mg/l	APHA 4500- O-B, 24th Edition:2023
2	Salinity	0.04	PPTH	IS 3025 (Part 32) 1988
3	Phosphate(P)	<3.0	mg/l	IS 3025 (Part 31/Sec1):2022
4	Arsenic (As)	<0.01		APHA 3030-F, APHA 3114 C, 24th Edition
5	Mineral Oil	<0.5	mg/l	IS 3025(Part 39),RA 2003
6	Total Coliform	7.0	MPN/100ml	IS 1622: 1981

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एक कदम स्वच्छता की ओर



Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water		Test Report No. : NIL/W/09/24/144		
Sample Type : Ground Water		Sample Code : NIL/W/09/24/144		
Sampling Method : IS 3025 (Part 1)		URL No : TC67092400003718F		
Sampling Date : 18.09.2024		Sample Received : 21.09.2024		
Analysis Start Date : 21.09.2024		Analysis Finish Date : 27.09.2024		
Reporting Date : 30.09.2024		Sample Qty & Pkng. : 2L Plastic Can		
Sampling Location : Plant Well NMD		Sampling Done By : Netel (India) Limited		
Sr. No.	Parameters	Result	Unit	Method
1	pH	7.2	---	IS 3025 (Part 11):2022
2	Turbidity	4.8	NTU	IS 3025 (Part 10) 1984: 2023
3	Total Dissolved Solids (TDS)	114	mg/l	IS 3025 (Part 16):2023
4	Total Suspended Solids (TSS)	5	mg/l	IS 3025 (Part 21):2022
5	Total Hardness	65.3	mg/l	IS 3025 (part 21) 2009, (RA 2019)
6	Chloride (Cl)	5	mg/l	IS 3025 (Part 32) 1988 (RA 2019)
7	Sulphate (SO4-2)	2.2	mg/l	APHA 4500-SO4 (E), 24th Edition:2023
8	Fluoride (F-)	<0.2	mg/l	IS 3025 (Part 60) 2008 (RA 2019)
9	Nitrate (NO3-)	<0.5	mg/l	IS 3025(Part 34) 1988, (RA 2019)
10	Nitrite	<0.01	mg/l	APHA 4500-NO2-B, 24th Edition:2023
11	Phenolic Compounds	<0.5	mg/l	APHA 5530-D, 24th Edition:2023
12	Iron (Fe)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
13	Zinc (Zn)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
14	Copper (Cu)	<0.04	mg/l	APHA 3111-B, 24th Edition:2023
15	Nickel (Ni)	<0.02	mg/l	APHA 3111-B, 24th Edition:2023
16	Chromium (Cr)	<0.01	mg/l	APHA 3111-B, 24th Edition:2023
17	Sodium (Na)	8.7	mg/l	IS 3025(Part 45): 1993 (RA 2019)
18	Potassium (K)	<0.1	mg/l	IS 3025 (Part 45): 1993;(RA 2019)
19	Vanadium (V)	<0.5	mg/l	APHA 3111-D, 24th Edition:2023
20	Chromium (Cr6+)	<0.05	mg/l	APHA 3500-Cr-B, 24th Edition:2023

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Reviewed by:

Neelima Dalvi
Technical Manager



End of Report

Authorised by:

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/09/24/144			
Sample Type : Ground Water	Sample Code : NIL/W/09/24/144			
Sampling Method : IS 3025 (Part 1)	Amb. Temperature : --			
Sampling Date : 18.09.2024	Sample Received : 21.09.2024			
Analysis Start Date : 21.09.2024	Analysis Finish Date : 27.09.2024			
Reporting Date : 30.09.2024	Sample Qty & Pkg. : 2L Plastic Can, 100ml micro Bottle			
Sampling Location : Plant Well NMD	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	Dissolved Oxygen (DO)	5.8	mg/l	APHA 4500- O-B, 24th Edition:2023
2	Salinity	0.04	PPTH	IS 3025 (Part 32) 1988
3	Phosphate(P)	<3.0	mg/l	IS 3025 (Part 31/Sec1):2022
4	Arsenic (As)	<0.01		APHA 3030-F, APHA 3114 C, 24th Edition
5	Mineral Oil	<0.5	mg/l	IS 3025(Part 39),RA 2003
6	Total Coliform	4.0	MPN/100ml	IS 1622: 1981

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Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water		Test Report No. : NIL/W/09/24/145		
Sample Type : Ground Water		Sample Code : NIL/W/09/24/145		
Sampling Method : IS 3025 (Part 1)		URL No : TC67092400003719F		
Sampling Date : 18.09.2024		Sample Received : 21.09.2024		
Analysis Start Date : 21.09.2024		Analysis Finish Date : 27.09.2024		
Reporting Date : 30.09.2024		Sample Qty & Pkng. : 2L Plastic Can		
Sampling Location : Well Reliance Township		Sampling Done By : Netel (India) Limited		
Sr. No.	Parameters	Result	Unit	Method
1	pH	6.9	---	IS 3025 (Part 11):2022
2	Turbidity	4.7	NTU	IS 3025 (Part 10) 1984: 2023
3	Total Dissolved Solids (TDS)	214	mg/l	IS 3025 (Part 16):2023
4	Total Suspended Solids (TSS)	5	mg/l	IS 3025 (Part 21):2022
5	Total Hardness	120.8	mg/l	IS 3025 (part 21) 2009, (RA 2019)
6	Chloride (Cl)	14.1	mg/l	IS 3025 (Part 32) 1988 (RA 2019)
7	Sulphate (SO4-2)	4.2	mg/l	APHA 4500-SO4 (E), 24th Edition:2023
8	Fluoride (F-)	<0.2	mg/l	IS 3025 (Part 60) 2008 (RA 2019)
9	Nitrate (NO3-)	<0.5	mg/l	IS 3025(Part 34) 1988, (RA 2019)
10	Nitrite	<0.01	mg/l	APHA 4500-NO2-B, 24th Edition:2023
11	Phenolic Compounds	<0.5	mg/l	APHA 5530-D, 24th Edition:2023
12	Iron (Fe)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
13	Zinc (Zn)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
14	Copper (Cu)	<0.04	mg/l	APHA 3111-B, 24th Edition:2023
15	Nickel (Ni)	<0.02	mg/l	APHA 3111-B, 24th Edition:2023
16	Chromium (Cr)	<0.01	mg/l	APHA 3111-B, 24th Edition:2023
17	Sodium (Na)	9.4	mg/l	IS 3025(Part 45): 1993 (RA 2019)
18	Potassium (K)	<0.1	mg/l	IS 3025 (Part 45): 1993;(RA 2019)
19	Vanadium (V)	<0.5	mg/l	APHA 3111-D, 24th Edition:2023
20	Chromium (Cr6+)	<0.05	mg/l	APHA 3500-Cr-B, 24th Edition:2023

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water		Test Report No. : NIL/W/09/24/145		
Sample Type : Ground Water		Sample Code : NIL/W/09/24/145		
Sampling Method : IS 3025 (Part 1)		Amb. Temperature : --		
Sampling Date : 18.09.2024		Sample Received : 21.09.2024		
Analysis Start Date : 21.09.2024		Analysis Finish Date : 27.09.2024		
Reporting Date : 30.09.2024		Sample Qty & Pkg. : 2L Plastic Can, 100ml micro Bottle		
Sampling Location : Well Reliance Township		Sampling Done By : Netel (India) Limited		
Sr. No.	Parameters	Result	Unit	Method
1	Dissolved Oxygen (DO)	6.1	mg/l	APHA 4500- O-B, 24th Edition:2023
2	Salinity	0.04	PPTH	IS 3025 (Part 32) 1988
3	Phosphate(P)	<3.0	mg/l	IS 3025 (Part 31/Sec1):2022
4	Arsenic (As)	<0.01		APHA 3030-F, APHA 3114 C, 24th Edition
5	Mineral Oil	<0.5	mg/l	IS 3025(Part 39),RA 2003
6	Total Coliform	3.0	MPN/100ml	IS 1622: 1981

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Netel (India) Limited



TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/09/24/141			
Sample Type : Ground Water	Sample Code : NIL/W/09/24/141			
Sampling Method : IS 3025 (Part 1)	URL No : TC670924000003715F			
Sampling Date : 18.09.2024	Sample Received : 21.09.2024			
Analysis Start Date : 21.09.2024	Analysis Finish Date : 27.09.2024			
Reporting Date : 30.09.2024	Sample Qty & Pkg. : 2L Plastic Can			
Sampling Location : Dug Well Village Nagothane	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	pH	7.1	---	IS 3025 (Part 11):2022
2	Turbidity	1.2	NTU	IS 3025 (Part 10) 1984: 2023
3	Total Dissolved Solids (TDS)	202	mg/l	IS 3025 (Part 16):2023
4	Total Suspended Solids (TSS)	<5	mg/l	IS 3025 (Part 21):2022
5	Total Hardness	108.9	mg/l	IS 3025 (part 21) 2009, (RA 2019)
6	Chloride (Cl)	8.1	mg/l	IS 3025 (Part 32) 1988 (RA 2019)
7	Sulphate (SO4-2)	3.5	mg/l	APHA 4500-SO4 (E), 24th Edition:2023
8	Fluoride (F-)	<0.2	mg/l	IS 3025 (Part 60) 2008 (RA 2019)
9	Nitrate (NO3-)	<0.5	mg/l	IS 3025(Part 34) 1988, (RA 2019)
10	Nitrite	<0.01	mg/l	APHA 4500-NO2-B, 24th Edition:2023
11	Phenolic Compounds	<0.5	mg/l	APHA 5530-D, 24th Edition:2023
12	Iron (Fe)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
13	Zinc (Zn)	<0.1	mg/l	APHA 3111-B, 24th Edition:2023
14	Copper (Cu)	<0.04	mg/l	APHA 3111-B, 24th Edition:2023
15	Nickel (Ni)	<0.02	mg/l	APHA 3111-B, 24th Edition:2023
16	Chromium (Cr)	<0.01	mg/l	APHA 3111-B, 24th Edition:2023
17	Sodium (Na)	6.9	mg/l	IS 3025(Part 45): 1993 (RA 2019)
18	Potassium (K)	<0.1	mg/l	IS 3025 (Part 45): 1993;(RA 2019)
19	Vanadium (V)	<0.5	mg/l	APHA 3111-D, 24th Edition:2023
20	Chromium (Cr6+)	<0.05	mg/l	APHA 3500-Cr-B, 24th Edition:2023

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Office & Laboratory
W-408, Rabale MIDC,
TTC Industrial Area,
Navi Mumbai - 400701,
India.

Tel. : 022 20877101
GST : 27AABCN8692H1Z0
CIN : U74999MH2003PLC142228

E-mail : ems@netel-india.com
Website : www.netel-india.com



Regd. office : Liberty Building, 3rd floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400020. Tel. : 022-22066231/61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Reliance Industries Limited.				
Customer Address : Nagothane, Taluka Roha, District Raigad - 402 125				
Customer Reference : Work Order No.: MO8/260052064 Dated 26.03.2024				
Discipline/ Group : Chemical-Water	Test Report No. : NIL/W/09/24/141			
Sample Type : Ground Water	Sample Code : NIL/W/09/24/141			
Sampling Method : IS 3025 (Part 1)	Amb. Temperature : ---			
Sampling Date : 18.09.2024	Sample Received : 21.09.2024			
Analysis Start Date : 21.09.2024	Analysis Finish Date : 27.09.2024			
Reporting Date : 30.09.2024	Sample Qty & Pkng. : 2L Plastic Can, 100ml micro Bottle			
Sampling Location : Dug Well Village Nagothane	Sampling Done By : Netel (India) Limited			
Sr. No.	Parameters	Result	Unit	Method
1	Dissolved Oxygen (DO)	5.5	mg/l	APHA 4500- O-B, 24th Edition:2023
2	Salinity	0.04	PPTH	IS 3025 (Part 32) 1988
3	Phosphate(P)	<3.0	mg/l	IS 3025 (Part 31/Sec1):2022
4	Arsenic (As)	<0.01		APHA 3030-F, APHA 3114 C, 24th Edition:2023
5	Mineral Oil	<0.5	mg/l	IS 3025(Part 39),RA 2003
6	Total Coliform	6.0	MPN/100ml	IS 1622: 1981

- Note : 1. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
2. This Test Report refers only to the sample tested.
3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Reviewed by:

Neelima Dalvi
Technical Manager

Authorised by:

Shraddha Kere
Quality Manager



A Neterwala Group Company

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