



DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

DFPCL-K1/EHS/Env/2024-25/25

Date : 25.11.2024.

Additional Principal Chief Conservator of Forest (C),
Ministry of Environment, Forest & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariate Building, Civil Lines
Nagpur – 440 001, Maharashtra.

Reference: EC granted for Iso Propyl Alcohol vide file no. (J-11011/218/2004-IA II(I) dt 24.02.2006).

Sub: Half yearly Environmental Clearance Compliance report.

Dear Sir,

Please find enclosed the half yearly EC compliance report of Iso Propyl Alcohol plant for the period of April – 2024 to September – 2024.

This is for your information and records please.

Thanking you,

Yours faithfully

For, DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.,

Jeyaprakash M
Head (EHS)

CC :

1. SRO, MPCB, Raigad Bhavan, 7th Floor, Sector-11, CBD-Belapur, Navi Mumbai – 400614.
2. Ministry of Environment, Forest, 1st Floor, New Administrative Building, Mantralaya, Mumbai – 400032.
3. CPCB Parivesh Bhawan, Opp. VMC Ward Office No. 10, Shubhanpura, Vadodara, Gujarat 390023.

DATA SHEET

1	Project type: River- valley/ Mining / Thermal/ Industry / Nuclear/ Other (specify)	Industry
2	Name of the project	Iso Propyl Alcohol (IPA 70000 MTA) Project at MIDC, Taloja, Maharashtra by Deepak Fertilisers & Petrochemicals Corporation Limited
3	Clearance letter (s) /OM No. and Date	EC granted for Iso Propyl Alcohol vide file no. (J-11011/218/2004-IA II(I) dt 24.02.2006)
4	Location	
	a. District (S)	Raigad
	b. State (S)	Maharashtra
	c. Latitude/longitude	19°04'11.3"N/73°08'04.1"E
5	Address for correspondence	
	a. Address of Concerned Project Chief Engineer (with pin code & Telephone/ telex/ fax numbers	Mr. Jeyaprakash M (Sr.GM-EHS), M/s Deepak Fertilisers & Petrochemicals Corporation Ltd. Plot No. K-1, MIDC Industrial area, Taloja, District Raigad – 410208, Maharashtra. Phone:- 022-50684221,
	b. Address of Executive Project: Engineer/Manager (with pin code/ Fax numbers)	Same as above
6	Salient features	
	a. of the project	Annexure-A
	b. of the environmental management plans	Annexure-B
7	Breakup of the project area	
	a. submergence area forest & non forest	NA. Project is established in notified industrial. area of MIDC.
	b. Others	NA
8	Break-up of the project affected Population with enumeration of Those losing houses/dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan	NA. Project is established in notified industrial. area of MIDC.
	a. SC, ST/Adivasis	NA. Project is established in notified industrial. area of MIDC.
	b. Others (Please indicate whether these Figures are based on any scientific and systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	NA

9	Financial details.	
a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	153.7 Crores
b.	Allocation made for environmental management plans with item wise and year wise Break-up.	Attached.
c.	Benefit cost ratio/Internal rate of Return and the year of assessment	-
d.	Whether (c) includes the Cost of environmental management as shown in the above.	Yes
e.	Actual expenditure incurred on the project so far.	No expenditure during current financial year
f.	Actual expenditure incurred on the environmental management plans so far	Attached as Annexure-10
10	Forest land requirement	
a.	The status of approval for diversion of forest land for non-forestry use	NA. Project is established in notified industrial. area of MIDC.
b.	The status of compensatory afforestation program in the light of actual field experience so far	NA. Project is established in notified industrial. area of MIDC.
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information	NA. Project is established in notified industrial. area of MIDC.
12	Status of construction	
a.	Date of commencement (Actual and/or planned)	Year 2005
b.	Date of completion (Actual and/of planned)	Year 2006
13	Reasons for the delay if the Project is yet to start	NA
14	Dates of site visits	
a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	NA
b.	Date of site visit for this monitoring report	NA
15	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)	NA

EC-IPA (J-11011/218/2004-IA II (I) dt 24.02.06, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, N Delhi - 110 003.

EC - COMPLIANCE REPORT

File No.J-11011/218/2004-IA II (I)

SN	Specific Conditions	Compliance details
i)	The gaseous emissions (SO ₂ , NO _x , NH ₃ & HCl) and particulate matter from various process units shall confirm to the standards prescribed by authority from time to time. At no time the emission levels shall go beyond the stipulated standards. The Stack height shall be as per CPCB guidelines. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Further, the company shall interlock the production system with the pollution control devices.	Complied. '1.'There is no process stack in IPA emitting any gaseous emissions (SO _x , NO _x , NH ₃ , HCL & SPM). All emission stacks are being monitored by third part laboratory. Also three continuous monitoring AAQMS stations are installed connected to CPCB and MPCB portals, 2.The stack height for all consented stack is provided as per CPCB / MPCB guidelines 3.Addition of above Ambient air & all the consented stacks are being monitored by MOEF & CC approved lab. (Refer- Annexure-1 for stack emission report)
ii)	AAQ monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentrations are anticipated in consultation with the MPCB.	Complied. Three continuous monitoring AAQM stations are installed as per guidelines and these are connected to MPCB portal. (Refer- Annexure-2 for Ambient air quality monitoring report)
iii)	Fugitive emissions in the work zone environment, product and raw material storage area shall be regularly monitored. The emissions shall be controlled and confirm to the limits prescribed by CPCB.	Complied. In IPA plant fugitive emissions are hydrocarbon and 11 nos of sensors are installed at critical locations. Workzone monitoring is being monitored for Sox, Nox & CO. (Refer- Annexure-3 for Workzone monitoring report)
iv)	Total water requirement should not exceed 2800 m ³ /day as per permission accorded by MIDC vide letters dated 03.03.04 and 07.07.05. Further, efforts shall be made for further conservation of water and utilization of waste water.	Complied. Water requirement doesn't exceed the limit of water consumption of MPCB CTO. As a part of water conservation waste water of the plants is utilized to reduce fresh water consumption. RO system is installed for waste water utilization. (Refer- Annexure-4 for Treated effluent monitoring report)
v)	The effluent generation shall not exceed 667 m ³ /day. All the effluent shall be treated in the augmented ETP and shall be monitored for the pH, SS, TDS, O & G, BOD, COD, Phosphates & ammoniacal Nitrogen & other relevant parameters. All the treated effluent shall be sent to CETP at Talaja for further treatment. The domestic effluent shall be treated in the existing Sewage Treatment Plant.	Complied. Effluent generation is maintained within the stipulated norms. In IPA plant itself the COD water stream treated in organic recovery column to reduce the COD before sending it to ETP. In addition all the ETP parameters for pH, TSS, TDS, O & G, BOD, COD, Phosphates & ammoniacal Nitrogen & other relevant parameters are being monitored through sampling internally and third party. OCEMS is installed for monitoring of ETP parameters (pH, TSS, COD, BOD, NH ₄ N, NO ₃ N, Fluoride, Flow and Temperature.) Treated effluent is sent to CETP Talaja. Domestic effluent is used ETP. (Refer- Annexure-4 for Treated effluent monitoring report)
vi)	The company shall undertake following Waste Minimization measures: * Metering and control of quantities of active ingredients to minimize waste * Reuse of by-products from the process as raw materials or as raw material substitute in other processes. * Use of automated filling to minimize spillage * Use of close feed system into batch reactor * Venting equipment through vapour recovery system * Use of high pressure hoses for equipment cleaning to reduce waste water generation	No active ingredient involved in IPA Propane and Di Isopropyle Ether are the products from IPA plant and these are sold to customers. We have automated filling system for barrels to avoid the spillage. Our IPA plant is a continuous process and closed filled system is provided to reactor. As such there is no venting equipment however critical vents are connected to flare system. High pressure are used to clean the equipments during shutdowns.
vii)	The solid waste generated in the form ETP sludge shall be stored in HDPE lined secured landfill at the site. Spent catalyst and used oil shall be sold to authorized re-processor.	Complied.

viii)	The project authorities shall strictly comply with the rules and guidelines under MSIHC Rules, 1989 as amended in October, 1994 and January 2000 and HWMH Rules, 2003 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	Complied. All related provisions of MSIHCR-1989 and HWMHR-2003, with their amendments are complied Authorization through CTO, valid till 31/03/2026, is obtained from MPCB for collection, treatment, storage and disposal of hazardous waste. (Refer- Annexure-5 for copy of CTO)
ix)	Company shall develop surface/roof top rain water harvesting structures to harvest runoff water for recharge of ground water.	Complied. Rain water harvesting system is provided at WNA 3 & 4 plants.
x)	Green belt shall be provided in at least 25% of the plant area to mitigate the effects of fugitive emission all around the plant. Development of green belt shall be as per CPCB guidelines.	Complied. 33.14 % of plot area is developed as Green belt. In addition to this, green belt on 50 acre of degraded forest land is also developed at Davadi Village which is located near Dombivali forest land. (Refer- Annexure-6 for details of green belt development)
xi)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories act.	Complied. Medical examination of all the workers is done once in a six month as per the factories act and records are maintained.
General Conditions		
i)	Project authorities shall strictly adhere to the stipulations made by the MPCB	Noted. We have submitted compliance report to MPCB towards compliance of conditions of consent to operate.
ii)	At no time the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be put out of operation and shall not be restarted until the desired efficiency has been achieved.	There is no process stack in IPA emitting any gaseous emissions (SOx, NOx, NH3, HCl & SPM).
iii)	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted.
iv)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the EP Act, 1986, Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. Acoustic enclosures have been provided to DG sets. Periodic noise monitoring is done by MOEF approved 3rd party laboratory at six different locations and noise level is within the standards prescribed under Noise regulation rule 2000. (Refer- Annexure-7 for noise monitoring report)
v)	The Project Proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.	Complied. Environment protection measures and recommendations given in EIA.
vi)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry-out the Environmental Management and Monitoring functions.	Complied. A separate Environmental Management Cell equipped with laboratory facilities.
vii)	The Project authorities shall earmark separate funds of Rs 25.80 lakhs to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied. Fund is utilized for implementation of environmental safeguard.
viii)	The Company shall undertake welfare measures and community development measures for the local people in the vicinity of project area.	Complied. The Company has been undertaking welfare measures and community development measures for the local people in the vicinity of project area. (Refer- Annexure-8 for copy of CSR report)
ix)	The implementation of the project vis-a-vis environmental action plan shall be monitored by the Ministry's Regional Office at Bhopal / MPCB / CPCB. A Six monthly compliance status report shall be submitted to monitoring agencies.	Complied. Six monthly compliance reports are being sent to Regional Office of MOEF and MPCB. Last report was sent on 30 May 2024. Copy of the same posted on the company's web-site.

x)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the letters are available with the MPCB and may also be seen at website of the Ministry at http:// envfor.nic.in . This shall be advertised within seven days from date of issue of the clearance letter at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and the copy of the same shall be forwarded to ministry's regional office at Bhopal.	Complied. Proponent has informed to the public vide newspaper that the project has been accorded environmental clearance by the Ministry and copies of the letters are available with the MPCB and may also be seen at website of the Ministry at http:// envfor.nic.in .
xi)	The project authorities shall inform the Regional Office as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied. The project authorities has informed to the Regional Office as well as Ministry.
xii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xiii)	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted
xiv)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted

F. No. J-11011/218/2004- IA II (I)
Government of India
Ministry of Environment and Forests
(IA Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail: pb.rastogi@nic.in
Telefax : 011-24367668
Dated February 24, 2006

To,

✓ Shri S.C. Mehta
Managing Director
M/s Deepak Fertilizers & Petrochemicals Corpn. Ltd.
Plot No. 32, Sector – 16
Opp. Modern College, Vashi
Navi Mumbai – 400 705
Maharashtra.

Fax No. 022 – 2766 2620

Subject : Iso Propyl Alcohol (IPA, 70,000 MPTA) Project at MIDC Area, Taloja, Maharashtra by M/s Deepak Fertilizers & Petrochemicals Corporation Ltd.

Sir,

This has reference to your letter no. nil dated 8th June, 2005 alongwith EIA/EMP report and other related projects documents on the above subject seeking environmental clearance under the Environmental Impact Assessment Notification, 1994.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that the proposal is for environmental clearance to set up an Iso Propyl Alcohol manufacturing unit (70,000 MTPA) adjacent to existing plants in MIDC area, District Taloja, Maharashtra. 33,000 MTPA propane will be generated as by product. The project will be located in the industrial area of Taloja in 30.3492 ha. Iso Propyl Alcohol will be produced by direct hydration of Propylene across a catalyst bed. Air emissions from the boiler will be controlled by installing a stack of adequate height as per CPCB norms. 2,800 m³/d water will be required and will be met from MIDC supply for which prior permission has been obtained. The process effluent will be treated in ETP and will be sent to Common Effluent Treatment Plant (CETP) for further treatment at Taloja. Solid waste will be generated in the form of spent catalyst (Silica gel impregnated with Phosphoric acid) & used oil and will be sold to authorized reprocessors. Public hearing meeting was held on 18th October, 2005. 'NOC' has been accorded by the Maharashtra Pollution Control Board (MPCB) vide letter no. BO/RONM/65-05/E/CC/103 dated 25.04.2005. Total cost of the project is Rs. 153.7 Crores.

3.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance to the following conditions:

A. SPECIFIC CONDITIONS :

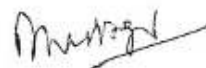
- i) The gaseous emissions (SO_2 , NO_x , NH_3 & HCl) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. The stack height shall be as per the Central Pollution Control Board guidelines. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Further, the company shall interlock the production system with the pollution control devices.
- ii) Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the MPCB.
- iii) The fugitive emissions in the work zone environment, product, raw material storage area shall be regularly monitored. The emissions shall be controlled and conform to the limits prescribed by the CPCB.
- iv) Total water requirement shall not exceed 2,800 m^3/d as per the permission accorded by the MIDC vide letters dated 3.3.04 and 7.7.05. Further efforts shall be made for further conservation of water and utilization of waste water.
- v) The effluent generation shall not exceed 667 m^3/d . All the effluent shall be treated in the augmented Effluent Treatment Plant (ETP) and shall be monitored for the pH, SS, TDS, Oil & Grease, BOD, COD, Phosphates and Ammonical Nitrogen and other relevant parameters. All the treated effluent shall be sent to CETP at Taloja for further treatment. The domestic effluent shall be treated in the existing Sewage Treatment Plant (STP).
- vi) The company shall undertake following Waste Minimization measures :-
 - Metering and control 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 processes.
 - Use of automated filling to minimize spillage.
 - Use of "Close Feed" system into batch reactors.
 - Venting equipment through vapour recovery system.
 - Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- vii) The solid waste generated in the form ETP sludge shall be stored in the HDPE-lined secured landfill at the site. Spent catalyst and used oil shall be sold to authorized reprocessors.
- viii) The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000 and Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collection/treatment/storage/disposal of hazardous wastes.

- ix) The company shall develop surface/roof top rain water harvesting structures to harvest the run off water for recharge of ground water.
- x) Green belt shall be provided in at least 25 % of the plant area to mitigate the effects of fugitive emissions all around the plant. Development of green belt shall be as per the Central Pollution Control Board guidelines.
- xi) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

B. GENERAL CONDITIONS

- i. The project authorities shall strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB).
- ii. At no time, the emissions shall exceed the prescribed limits. In the event of 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.
- iii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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, Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.
- vi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- vii. The project authorities shall earmark separate funds of Rs. 25.80 Lakhs to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- viii. The company shall undertake welfare measures and community development measures for the local people in the vicinity of the project area.

- ix. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhopal / MPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
- x. 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 MPCB and may also be seen at Website of the Ministry at <http://envfor.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 Ministry's Regional Office at Bhopal.
- xi. 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.
- 4.0. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 5.0. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- 6.0. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.



(Dr. P.B. RASTOGI)
Additional Director

Copy to:

1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Joint Secretary (CCI-I) Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.



(Dr. P.B. RASTOGI)
Additional Director

Executive Summary

1.0 Introduction

The Deepak Group of industries one of the major groups in Maharashtra state is proposing to set up India's first plant for manufacturing Isopropyl Alcohol (IPA). in technological collaboration with US-based Equistar-Lyondell. The facility will have a capacity to produce 70,000 tonnes of IPA at its Taloja unit in Raigad District of Maharashtra with a capital outlay of Rs 153.7 crores, meeting India's major requirement of the chemical. IPA is a key ingredient in sectors such as pharma, agrochemicals, organic chemicals, imaging (printing & inks), health care & paint industry.

DFPCL's business can be broadly categorized into the following divisions

- ❖ Industrial Chemicals
- ❖ Ammonium Nitrate
- ❖ Agri-Inputs – Marketing
- ❖ Crop Science Division

1.1 Need For The Project

- ❖ The IPA market in the country has immense potential and the consumption was estimated to be 62,000 MTPA in year 2002 – 2003 and the estimated consumption in the year 2005 would be 72,500 MTPA.
- ❖ IPA is extensively used by pharmaceutical companies, agrochemicals industry and also in manufacturing of inks and other components required for printing.
- ❖ The company will target the huge IPA market in India, which is at present 100 per cent dependent on imports as there are no domestic manufacturers.
- ❖ IPA consumption in the country is growing by around seven percent annually.

1.2 Need For EIA Studies

In all manufacturing industries, the plant activities must co-exist satisfactorily with its surrounding environment so as to reduce the environmental impact caused due to these activities. In order to assess the likely impacts arising out of the proposed

project on the surrounding environment and evaluating means of alleviating the likely negative impacts, if any, from the proposed project, Rapid Environmental Impact Assessment (REIA) studies carried out for various environmental components which are likely to be affected.

The REIA Studies for the proposed IPA manufacturing project deals with detailed studies for various environmental components viz. Air, noise, water, land, biological and socio-economic environment.

1.3 The Surroundings

The industrial area is well connected to the state and national road network. The state highway SH-1 connecting Pune and Thane passes from a distance of 4.0 km from the SW of the site. There is a district approach road connecting the industrial area to the state highway.

The nearest railway station Navada (on Panvel – Diya line) is about 3.5 km west of the site.

Salient Features Of The Proposed Isopropyl Alcohol Plant at Taloja

State	Maharashtra
Village, District	Taloja A. V., Raigad
Nature of the Area	Notified Industrial Area
Mean Maximum Temperature	34° C (Summer)
Mean Minimum Temperature	21.8° C (Winter)
Relative Humidity	64.5 %
Annual Rainfall	1800 mm
Nearest Highway	SH-1
Nearest Port	Mumbai Port
Nearest Railway Station	Navada
Nearest Village	Devichapada, Tondre
Nearest City	Panvel
Nearest Air port	Sahara Air Port, Mumbai
Nearest River	Kasade River
Nearest Forest	No Forest Area
Historical & Sensitive Places	Nil

2.0 Process Description

The process route consists of the following steps to produce Iso Propyl Alcohol (IPA):

- ❖ C3 Splitter Section
- ❖ Reaction And Flash Section
- ❖ Distillation Section
- ❖ Molecular Sieve Section

Iso Propyl Alcohol (IPA) is produced by direct hydration of propylene across a catalyst bed.

Catalyst



2.1 Resources required

The major raw material required is propylene (refined grade), for which the plant authorities have a tie up with Bharat Petroleum Corporation Ltd. (BPCL) for long term exclusive supply for the proposed project. The other raw materials required is phosphoric acid, silica gel, etc are procured from the local market/suppliers.

The total water required for the proposed IPA plant is around 2785.2 m³/day. The water required is met from MIDC water supply. The total power required for the proposed project is around 3626 kW, this met from captive power plant 2 x 4.5 MW of the parent organisation which is having a spare capacity of 4.5 MW. The major utilities required for the proposed project are boiler, Cooling tower, DM plant, etc.

The parent organization is having land of 30.3492 hectares in the MIDC industrial area of Taloja part of the land in the existing unit will be used for proposed plant. As per the MIDC norms the ratio of total plinth area to the net plot area should not be more than 0.35 After establishment of the proposed project the ratio of the total plinth area to the net plot area would be 0.293, which is well within the MIDC norms.

3.0 Baseline

Baseline environmental status in and around proposed project depicts the existing environmental conditions of air, noise, water, soil, biological and socio-economic environment.

The 24 hourly average windrose for the entire study period reveals that winds were blowing from all directions. The most dominant direction observed was NE followed by NNE, ENE and N. The maximum, minimum and mean temperature observed to be 41°C, 19.1°C and 29.5°C respectively. The mean relative humidity observed during the study period is 64.5%.

3.1 Ambient Air Quality

A total of 9 ambient air quality monitoring stations were selected. Maximum, Minimum, Average and Percentile values have been computed from the raw data collected.

- The 98th percentile of SPM levels are in the range of 58.2 TO 149.6 µg/m³
- The 98th percentile of RPM levels are in the range of 20.2 to 50.1 µg/m³
- The 98th percentile of SO₂ levels were in the range of 7.5 to 11.3 µg/m³
- The 98th percentile of NO_x levels were in the range of 12.8 to 19.3 µg/m³

The 24 hourly average values of SPM, RPM, SO₂ & NO_x were compared with the national ambient air quality standards and it was found that all the sampling stations recorded values lower than the applicable limit for residential areas.

3.2 Noise Environment

Assessment of equivalent day and night noise levels at 11 locations in and around the plant site reveal that noise levels are ranging from 37.5 to 57.2dB(A), which can be taken as the existing baseline status. The day equivalent values calculated considering the noise levels recorded from 6 AM to 9PM. The values were found to be ranging between 49.23 dB (A) at Valap to 53.71 dB (A) at Plant site 1.

Similarly night equivalent noise levels were calculated using the noise levels recorded from 10 PM to 5 AM. These values are critical since they affect the sleep in the residential and sensitive areas. The night equivalent values were found to be ranging between 41.76 dB (A) at Ghot to 44.27dB (A) at Khanav. The noise equivalents observed were within the standards as per CPCB for Residential areas and commercial areas respectively.

3.3 Water Quality

A total of nine water samples (two surface water and seven ground water samples) have been collected from the study area.

The analytical results of the samples collected from the study area were compared with the drinking water standards IS 10500 to check for the portability.

Ground water

From the analytical results of ground water we can see that the pH of the water is ranging from 7.06 to 8.5 at valvali. The pH limit fixed for drinking water is 6.5 to 8.5 beyond this range the water will affect the mucus membrane and water supply system, in the study area the pH in the samples collected were well within the limits.

The Dissolved solids in the ground water samples are ranging from 210 at MIDC area to 560 mg/l at Pali. Except for the water sample at Ghot, Navade and Pali all samples were within the desirable limit of 500 mg/l where as other samples are within the permissible limit of 2000 mg/l. The chloride value is ranging from 14 mg/l at MIDC area to 95 mg/l at Navade, however the desirable limit is 250 mg/l and the permissible limit is 1000 mg/l.

Fluoride is the other important parameter, which has both higher and lower limits. The optimum content of fluoride in the drinking water is 0.6 to 1.5 mg/l. If the fluoride content is less than 0.6 mg/l it causes dental carries, above 1.5 mg/l it causes staining of tooth enamel, higher concentration in range of 3 – 10 mg/l causes fluorosis. In the study area the fluoride value were in the range of 0.4 mg/l to 1.1 mg/l.

Surface water

Two samples were collected from Gadi and Kasardi river. The samples showed pH of 7.4 and 7.7 respectively. Total dissolved solids were found to be 208 mg/l and 510 mg/l while chlorides were found to be 35 mg/l and 92 mg/l respectively. The surface water samples did not show any high fluoride concentrations.

3.4 Soil Quality

The analytical results of the 7 soil samples collected during the study period are summarized below.

The pH of the soil is an important property; plants cannot grow in low and high pH value soils. Most of the essential nutrients like N, P, K, Cl and SO₄ are available for plant at the neutral pH except for Fe, Mn and Al which are available at low pH range. The pH values in the study area are varying from 6.81 to 7.72 showing neutral only.

The other important parameters for characterization of soil for irrigation are N,P,K. the nitrogen value is varying from 5 to 122 meq/100gm, Phosphorus value is varying from 2.6 to 28 meq/100gm and Potassium value is varying between 11 to 136 mg/kg. All three parameters are showing that the soils require addition of N, P, K as they are falling low grade soils.

4.0 Identification Of Impacts

Any developmental activity in its wake will bring about some impacts associated with its origin, which can be broadly classified as reversible, irreversible, long and short-term impacts.

4.1 Construction Related Impacts

Since the project is proposed to be established adjacent to the existing parent industry, no major construction activity like leveling, movement of earth etc are envisaged. The most likely changes, if any, on the environment during the construction phase would be controlled by sprinkling water on road surfaces and covering the trucks with plastic sheets while moving in and out of the plant.

Generation of noise is due to operation of heavy equipment's and increased frequency of vehicular traffic in the area. However, these impacts are short term, intermittent and temporary in nature.

4.2 Operation Related Impacts

Air Environment

Prediction of impacts from the proposed IPA plant on the ambient air quality was carried out using air quality simulation models. The main sources of pollution envisaged from the plant are Fugitive emissions and Point source emissions (Boiler, DG set).

The fugitive emissions will be resulted from various operations and are expected due to evaporation losses. Even though the are within the standards for further reducing the evaporation losses by proper maintenance of all pipelines, reactors etc through regular timely maintenance and as well as by adopting good production practices.

To meet the steam requirements of the process, a boiler with a capacity of 30 TPH is proposed using a mixture of Furnace oil and Purge gas. The total fuel requirement per day would be to the tune of 52TPD of Furnace oil and 12 TPD of

purge gas, which is generated in the process of manufacture of IPA. Modeling has been carried out for 30TPH boiler emissions as a worst case to study the predicted increase in ground level concentrations due to the plant activities.

Stack and Emission Details

Stack No	Attached to	Height (m)	Dia. (m)	Velocity (m/s)	Volume NM ³ /hr	Temp. ° K	SPM g/s	SO ₂ g/s
1	Boiler 30TPH	63.5	1.4	15	51550	443	0.60	42

Predictions were carried out as per CPCB guidelines "Assessment of Impact to Air Environment: Guidelines for conducting air quality modeling" for pre monsoon season. The future predicted concentrations estimated by super imposing the predicted values over the base line values and presented in following table.

Predicted baseline values of SPM and SO₂ in SW direction

Pollutant	Baseline Max. Value - (µg/m ³)	Predicted Max. contribution to GLC's - (µg/m ³)	Predicted future AAQ concentration - (µg/m ³)
Particulate Matter	156	0.281	156.28
Sulphur dioxide (SO ₂)	12	19.70	31.70

(24 hrly average)

Water Environment

The entire wastewater generated 667 m³/day is treated in the existing effluent treatment plant before sending to Common CETP (used as dilution water) for further disposal. However, to meet the new demands, slight modifications are proposed in the existing ETP. The effluents after treatment will be routed to Taloja Common effluent Treatment plant Co-op Society Ltd for final disposal. Hence impact on ground water quality is not envisaged.

Land Environment

Solid waste generated from the proposed plant is from process (spent catalyst) expected to be in a small quantity 60 Tons per two years. And Calcium phosphate of around 1 TPM from ETP.

As the entire solid waste generated is sold authorized agents no damage is envisaged on the land environment.

CHAPTER-V ENVIRONMENTAL MANAGEMENT PLAN

5.0 Objective

The purpose of the Environmental Management Plan (EMP) is to minimize the potential environmental impacts from the project and to mitigate the consequences. EMP reflects the commitment of the project management to protect the environment as well as the neighbouring populations. The potential environmental impact envisaged from the project is studied on the following environmental components:

- Air pollution from the stacks
- Fugitive emissions
- Water pollution due to the wastewater generation
- Soil pollution due to solid waste disposal

The management action plan aims at controlling pollution at the source level to the possible extent with the available and affordable technology followed by treatment measures before they are discharged. The following additional mitigation measures are recommended in order to synchronize the economic development of the study area with the environmental protection of the region.

5.1 Environmental Management Plan

Preparation of Environmental Management Plan is required for formulation and monitoring of environmental protection measures during construction and operation of proposed plant. The plan should indicate the details as to how various measures proposed to be taken for mitigation of adverse impacts if any from the proposed project.

The following sections describe the Environmental Management Plan for proposed IPA Plant during construction and post construction phases.

5.2 Construction Phase

The construction activity includes the handling of the construction material and equipment, vehicular movement etc.

The major culprit during any construction activity is the fugitive emission that is released from the construction activity and the vehicular movement during the

construction. Dust control is a major issue during the construction phase along with the waste water generated from the construction and the domestic sewage generated by the construction camp, oil and material spillages during the handling and the transportation of the construction material and the solid waste generated during the construction.

Dust suppression is achieved by spraying water on the unpaved roads and covering the trucks transporting the construction material with tarpaulin or other covers and taking steps to minimize spillages during the transport and the handling of the material.

Noise effect on the nearby habitation during construction activities will be negligible as the nearest habitat is more than 1 km from the plant. However construction labour would be provided with noise protection devices like ear muffs, and occupational safety ware. It is recommended that all noise generating equipment to be stopped during night timings.

The waste oil generated by construction equipment would be disposed through authorized recyclers and unauthorized dumping of waste oil is prohibited.

Adequate security arrangement should be made to ensure that the local inhabitants and the stray cattle are not exposed to the potential hazards of construction activities.

5.3 Post Construction Phase

Project authorities are planning to implement several measures to curtail pollution to the maximum extent. Environment management at design stage includes all the steps undertaken at the design stage by the project proponents to meet the statutory requirements and towards minimizing environmental impacts.

The design basis for all process units will lay special emphasis on measures to minimize effluent generation and emission control at source. The specific control measures related to gaseous emissions, liquid effluent discharges, noise generation, solid waste disposal etc. are described below:

5.3.1 Air Environment

The suspended particulate matter, Sulphur dioxide and Oxides of Nitrogen concentrations in the ambient air will increase slightly due to the emissions from the proposed boiler. The desired stack height of 63.5 m will be provided as per the

guidelines issued by the GPCB for the proposed boiler for the effective dispersion of the pollutants.

The sources of air emission from the plant are a) Point source (Boiler) emissions
b) Non Point source (Fugitive) emissions

a) Point Source (Boiler) Emissions

One of the main sources of air pollutants from proposed project is the use of fuels for energy requirement. For steam requirements of the plant, one boiler of 30 TPH is being proposed.

Particulate matter, SO₂ and NO_x are the major emissions from the plant. However as the fuel proposed to be used for boiler being furnace oil and purge gas Particulate matter envisaged is negligible, and for proper dispersion of SO₂ and NO_x into surrounding environs; stack height has been maintained as per the existing norms. The details of the stack height calculations are given in Table 5.1.

A stack height of 63.5 m is provided as per MoEF guidelines. And for 75 KVA DG set a stack height of 2 meters above the building is proposed.

In addition to above boiler ^{operation} is controlled by programmable Logic Control - Supervisor Control and Data Acquisition System, (PLC-SCADA) based system.

Table 5.1

Details of Stack height calculation for Boiler and DG

Boiler	Specifications
Capacity	30TPH
Fuel Consumption	52 TPD furnace oil and 12 TPD Purge gas
Sulphur %	0.35% furnace oil
Sulphur dioxide content	$52000 \times 0.035 \times 2/24 = 151.7 \text{ kg/hr}$
Stack height as per MoEF	$14 (\text{SO}_2 \text{ kg/hr})^{0.33}$
Stack Height H meters	$14(151.7)^{0.33} = 63.15 \text{ m}$
proposed stack height	63.5 m
Particulate matter control system	Cyclone and programmable Logic Control – Supervisor Control and Data Acquisition System, (PLC-SCADA) based system.
DG set	
Capacity	75 KVA
Stack height as per MoEF	$H = h + 0.2 \sqrt{\text{KVA}}$
Stack height H meters	Height of building $+ 0.2 \sqrt{75 \text{ KVA}} = 1.73 \text{ m}$ or say 2 meters

b) Non Point source (Fugitive) emissions

To control the fugitive emissions during various operations in the proposed plant, management is proposing dedicated pipe lines from one section to another section, and all reactor and storage tanks are provided with vent condensers. The details of the control measures proposed are given in Table 5.2.

Table 5.2

Control measure proposed for controlling Fugitive emissions

S. No	Description	Control Measure
1	To Control losses during transferring from section to section	Dedicated pipelines, solvent storage tanks provided with vent condensers
2	To Control losses during manufacturing process	All reactor are provided with vent Condensers

5.3.2 Air Quality Monitoring

a) Stack Gas Monitoring

Provisions will be made in the stack for carrying out stack gas analysis as per the laid out guidelines. The monitoring would be carried out regularly as per the conditions in the consent to operate.

b) Ambient Air Quality Monitoring

The concentration of SPM, SO₂ and NO_x in the ambient air outside the project boundaries and in the adjoining villages should be monitored as per the direction of the state pollution control board.

5.4 Water Environment

The water requirement at maximum production would be 2765.2 m³/day, for all its purposes including process, floor and reactor washings, boiler, cooling tower, canteen/ domestic requirements. The total wastewater generated from the proposed project is 667 m³/day. The details of waste water generation are given in Table 5.3

Table 5.3
Wastewater Generation Details- m³/day

S.No	Description	Effluent	Remarks
1	Domestic	1.2	STP
2	Cooling tower	249.6	ETP
3	DM Plant	57.6	ETP
4	Process , reactor wash, floor washes, etc	317.328	ETP
		14.52	ETP
		2.664	STP
5	Boiler	24	ETP
6	Export	0	-
Total		666.912	

5.4.1 Effluent Treatment Plant Details

1. Details of Proposed IPA plant

The process effluents originating from proposed IPA plant consist of Phosphates. The Phosphates containing effluents treated with milk of lime in Reaction Tank I. The lime mixed effluent is sent to Clarifloculator where sludge, as calcium

phosphate, is separated. The separated sludge is centrifuged and solids are separated. The mother liquid is sent to parent industry ETP for further treatment and the treated wastewater is sent to CETP for final disposal.

The effluent from utilities (boiler, DM plant and Cooling tower) are added to Reaction tank III of the parent industry treatment plant (effluent after ammonia stripping).

The domestic sewage along with part of the process water containing COD is sent to parent industry sewage treatment plant for treatment.

2. Details of Existing Effluent Treatment Plant of Parent Organization

The effluents generating from the various plants essentially consists of Ammonical – nitrogen, Nitrate – Nitrogen, phosphates. The treatment facilities are described below.

Designed capacity	3600 m ³ /day.
Present Load	2742.3 m ³ /day

a) Phosphate removal

The process effluent stream coming from Ammonium Nitrate Phosphate (ANP) plant and tank farm is first equalized in the Collection/holding tank (CT I) and pumped to Reaction tank – I to raise the pH up to 9.0 by adding lime. The overflow through gravity will go to clarifloculator for separation of calcium phosphate sludge. The sludge is sent to centrifuge and the centrate is sent back to CT 1 and the sludge cake is disposed off. The treated effluent is sent to Reaction tank IIA.

b) Dissociation of ammonia

The effluent streams from Low density ammonium nitrate (LDAN) plant, Tank farm ammonia, Ammonia Plant, and Weak Nitric acid (WNA) plant, Ammonia plant floor washings are collected in Collection/holding tank (CT II) and through gravity flows to Reaction Tank IIA.

The pH in the Reactions Tank IIA is maintained around 10.5 to 11 by addition of caustic, so that at this pH ammonium ion present in the effluent get dissociated into ammonia gas and H⁺ ions.

c) Ammonia stripping

The effluent containing dissociated ammonium gas is sent to two-stage ammonia stripping plant. At 1st stage ammonia stripping the pH of the effluent falls down from here the effluent flows to Reaction Tank IIB where pH is again raised to around 10.5 to 11 and then pumped to 2nd stage ammonia stripping. At this stage the ammonical nitrogen in the effluent will be around 108 mg/l. This effluent stream further requires treatment prior to biological denitrification process for nitrate nitrogen removal.

The above treated effluent is collected in Reaction Tank III which is neutralized by addition of DM plant wastewater and diluted with cooling tower blow down so that the ammonical nitrogen concentration is around 50 mg/l (which can be treated biologically by denite bacteria). In case the cooling tower blow down is not available, the treated effluent is recycled back to the system.

d) Nitrate -N and Nitrite -N removal

The treated wastewater from Reactions tank III which still contains Nitrate -N and Nitrite -N is subjected to two stage denitrification in denite bioreactor. The stage I denite bioreactor is equipped with 3 nos 10 HP agitators and stage II denite bioreactor is equipped with 3 nos 75 HP agitator. The treated water from stage I denite bioreactor goes to clarifier I for separation of suspended biomass part of the biomass is recycled for stabilization and excess sludge is sent to sludge drying beds.

Provision is made for addition of methanol as organic carbon source for heterotrophic denite bacteria.

e) Polishing/aeration

The treated wastewater over flowing from denite clarifier is collected in polishing aeration tank which is provided with polishing diffuse aeration grids to increase the Dissolved oxygen of the treated effluent before discharged in to CETP Sewer line.

The details of Units of ETP are given Table 5.4 and the characteristics of wastewater before and after treatment are given in Table 5.5.

Table 5.4
Existing Treatment Facilities

S. No	Code No	Units
1	CT I	Collection /holding Tank, CT-I
2	RT I	Reaction Tank-I
3	CF I	Clarifloculator
4	AS I	Ammonia stripper Stage-I
5	AS II	Ammonia stripper Stage-II
6	RT IIA	Reaction Tank-IIA
7	RTIIB	Reaction tank -IIB
8	RT III	Reaction Tank-III
9	DN I	Denitrification tank stage-I
10	CL I	Clarifier stage-I
11	DN II	Denitrification tank stage-II
12	CL II	Clarifier stage-II
13	PT	Polishing tank

Table 5.5
Wastewater Characteristics – Before & After Treatment

S. No	Parameters	Units	Before			After Range
			Process, washes, etc	CT, Boiler, DM	Domestic & Process	
1	PH		6.0-7.0	6.0-7.0	6.5-8.0	5.5 to 9.0
2	Suspended solids	Mg/l	99	21	147	< 100
3	BOD	Mg/l	148	18	507	<100
4	COD	Mg/l	247	23	845	<250
5	Oil & Grease	Mg/l	<10	<5	<5	<10
6	TDS	Mg/l	897	-	831	<800
7	Amm. Nitrogen	Mg/l	94	-	-	<50
8	KJ Nitrogen	Mg/l	247	-	-	-
9	Phosphates	Mg/l	90	-	-	<1

The entire wastewater generated is treated and sent to CETP for further disposal along with treated effluent at CETP. The present existing Effluent treatment system will be modified to treat the effluents generated from the proposed IPA plant to the standards laid down by the MPCB. The flow sheet of proposed modification in existing ETP for handling the phosphate bearing effluents and the existing plant is shown below

3) Domestic Sewage Treatment Plant

The sanitary sewage wastewater and part of process wastewater containing biodegradable matter which is around 3.864 m³/day will be treated in the existing sewage treatment plant (STP) of capacity 168 m³/day. The STP comprises aeration tanks followed by clarifier. The existing sewage treatment plant consists of settling tanks, aeration tanks, and clarifiers.

5.4.2 Monitoring of Waste Treatment

All the treated effluents shall be monitored regularly for the flow rate and quality to identify any deviations in performance of effluent treatment plants. Appropriate measures would be taken if the treated effluent quality does not conform to the permissible limits.

5.4.3 Storm Water Drainage

Based on the rainfall intensity of the proposed area, MIDC drainage system is designed on the basis of the storm water flow.

Storm water drainage system consists of well-designed open surface drains network so that all the storm water is efficiently drained off to without any water logging.

5.5 Noise level management

The incremental noise level due to the proposed plant will be in the range of 45 dB (A) to 49 dB(A) near the plant boundaries in all the directions. The ambient noise levels in the region are within permissible limits.

During purchasing of the major noise generating equipments all necessary control measure will be include in design requirements to have minimum noise levels meeting occupational safety and health association (OSHA) requirement. Appropriate noise barriers/shields, silencers etc. would be provided in the equipment. The noise control is taken in the following ways, namely;

- ❖ By selecting low noise prone equipment

- ❖ By isolating the noise prone unit from the working personnel's continuous exposure
- ❖ By administrative control,

The administrative control would have a major role to monitor noise, take remedial measures and ensure that no plant personnel is over exposed to noise.

Recommendations

- ❖ The use of damping material such as thin rubber/lead sheet for wrapping the work places like turbine halls, compressor rooms etc;
- ❖ Shock absorbing techniques should be adopted to reduce impact;
- ❖ Efficient flow techniques for noise associated with high fluid velocities and turbulence should be used (like reduction in noise generated by control levels in both gas and liquid systems achieved by reducing system pressure to as low as possible);
- ❖ All the openings like covers, partitions should be acoustically sealed;
- ❖ Inlet and outlet mufflers should be provided which are easy to design and construct;
- ❖ Ear plugs will be provided to workmen working near high noise generating sources;
- ❖ Noise levels should be reduced by the use of absorbing material on roof walls and floors;
- ❖ Increase the distance between source and receiver by altering the relative orientation of the source and receiver. Noise level at the receiver end reduces in inverse proportion to the square of the distance between the receiver and the source;
- ❖ Provision of separate cabins for workers/operators; and

- ❖ The industrial compound should be thickly vegetated with species of rich canopy

The plant already having an in-house environmental laboratory for the routine monitoring of air, water, soil and noise. For all non-routine analysis, the plant may utilize the services of external laboratories and facilities.

5.6 Solid Waste Management

The main solid waste generated from proposed IPA plant are Calcium phosphate 1 TPD from treatment plant and spent catalyst 60 Tons for two years from manufacturing process. The entire solid waste is sold to authorized agents collecting solid waste.

Table 5.6
Solid Waste Generation & Disposal

Solid Waste	Generation, TPA	Disposal Method
Silica gel	60 Tons per two years	Will be sold to MPCB authorized solid waste collecting vendor
Calcium phosphate	1 TPD	

5.7 Green Belt Development

The purpose of a greenbelt around the plant site is to capture the fugitive emissions, attenuate the noise generated and improve the aesthetics. The greenbelt at the plant site would form an effective barrier between the plant and the surroundings. Open spaces, where tree plantation may not possible, will be covered with shrubs and grass to prevent erosion of topsoil. Adequate attention will be paid to plantation of trees, their maintenance and protection. During commissioning of the project management is proposing to develop a greenbelt all along the boundary wall of plant, along the roads, and surroundings of the production block, boiler, ETP, etc.

A Green belt with 2500 plants is developed in the plant area consisting of species like, Gulmohar, Bamboo, Karanj, Jambhool, Astumbul, and Neem. Annually and proposed to add around 200 plants per year..

5.7.1 Plant Species for Greenbelt

While selecting the plant species for the proposed green belt, the following guidelines will be considered:

- * Fast growing type
- * Should have a thick canopy cover
- * Should be perennial green
- * Native origin
- * Should have a large leaf area index.

5.7.2 Design of Green Belt

As far possible the following guidelines will be considered in green belt development.

- * The spacing between the trees will be maintained slightly less than the normal spaces, so that the trees may grow vertically and slightly increase the effective height of the green belt.
- * Planting of trees in each row will be in staggered orientation.
- * In the front row shrubs consisting of Callistemon, Prosopis etc. will be grown
- * Since the trunks of the tall trees are generally devoid of foliage, it will be useful to have shrubs and trees in front of the trees so as to give coverage to this portion.
- * Shrubs and trees will be planted in encircling rows around the project site
- * The short trees (< 10 m height) will be planted in the first two rows (towards plant side) of the green belt. The tall trees (> 10 m height) will be planted in the outer three rows (away from plant side).

Tall trees one line and short trees one line will be planted around the boiler house, DG set room and around the production blocks to control the fugitive emissions and to reduce the noise.

The list of plants proposed to be planted in future for developing greenbelt are given in Table 5.7 to 5.10

Table 5.7

Plant Species Recommended For Reduction Of Noise Level

S. No	Scientific Name	Common Name
1	Azadirachta indica	Neem
2	Aegle marmelos	Bel
3	Calbozia trocera	Dhala sirisa
4	Carissa carandas	Karaunda
5	Peltophorum inerme	Perungandrai
6	Saraca indica	Asoka
7	Syzygium cumini	Zaman
8	Tamarindus indica	Imli
9	Pongamia pinnata	Beng
10	Cassia siamea	Chakundi

Table 5.8

Plant Species Recommended For Protection Against Gases And Particulates

S. No	Scientific name	Common Name
1	Butea monosperma	Dhak
2	Cassia fistula	Amaltas
3	Cassia siamea	Kassod
4	Citrus toona	Mahanim
5	Dalbergia sissoo	Shisham
6	Dillenia indica	Chalta
7	Ficus religiosa	Pipal
8	Hardwick binata	Anjan
9	Mathuca indica	Mahua
10	Millingtonia hortensis	Akash nim

Table 5.8
Suggested Plant Species For Green Belt Development

S. No	Scientific name	Common Name
Large Plants		
1	Cedreia toona	Mahanim
2	Dalbergia sissoo	Shisham
3	Azadirachta indica	Neem
4	Delonix regia	Gul mohr
5	Millingtonia hortensis	Aksh nim
6	Mimosa pudica	Maulsari
7	Peltophorum inerme	Perungondrai
8	Samanea saman	Debdari
9	Thespsia populnea	Paras papal
Medium Plants		
1	Cassia siamiae	Kassod
2	Dillenia indica	Chalta
3	Mathuca indica	Mahua
4	Casuarina equisetifolia	Jungali Suru
5	Pongamia pinnata	Beng
6	Tabularia spasiola	-
7	Ticoma stans	
8	Terminalia catappa	Jangli badam
9	Thevetia peruviana	Pile kamer
10	Lucena leucocophala	Subabul
Small Plants		
1	Averrhoa carabola	Carabola
2	Nallotus philippensis	Sundur
3	Artabotrys odoratissimus	Madenmast
4	Caesalpinia pulcherrima	Gulotora
5	Callistemon lanceolatus	Bottle brush
6	Caryota urens	Mani
7	Cestrum diurnum	Din-Ka Raja
8	Nelia azedarch	

Table 5.10
Suggested Plant Species For Road Side Plantation

S. No	Scientific Name	Common Name
1	Azadirachta indica	Neem
2	Pongamia pinnata	Beng
3	Saraca indica	Ashoka
4	Delonix regia	Gul mohr
5	Peltophorum inerme	Copper pod tree
6	Samanea saman	Rain tree
7	Cassia nudosa	Pink cassia
8	Bassia latifolia	Mahuva
9	Bahunia variegata	-

5.8 Industrial Safety, health & Hygiene:

The industry has set up a safety, health and environment cell with a qualified person as in charge for safety, health and environment. Reports to the factory manager directly. The chemical laboratory with qualified chemist carries out the necessary analysis and reports to Manager (SHE). Annual Medical checkup is done for all employees. Further check ups are done as and when necessary on doctors advice; required qualified external experts are appointed as and when necessary.

DFPCL takes pride in its health and safety record. We have capabilities in handling and movement of hazardous, toxic and inflammable chemicals. In appreciation of our skill and efforts in maintaining a good record on health and safety, the British Safety Council has presented the company with The British Safety Council Award for the year 2000-2001, making it the third year in a row.

DFPCL follow strict norms for handling of chemicals at our end and recommend safety norms for handling and transportation of our products.

- General Safety Parameters for loading and Transportation of Chemicals
- Vehicle Permit System
- Product-wise Safety Precautions

5.9 Environmental Laboratory Equipment

The parent industry is having an in-house environmental laboratory for the routine monitoring of air, water, soil and noise. For all non-routine analysis, the plant may utilize the services of external laboratories and facilities. The list of laboratory equipments available for monitoring and analysis are listed in below Table.

Table 5.11
List of Equipment of Environmental Laboratory

Name of the Equipment
Weather Monitoring Station
a) Online Automatic gaseous stack monitoring kit for SO ₂ , NO _x , O ₂ , Flue gas volume, Temperature etc. b) On line dust monitor
RD Samplers
Portable Flue Gas Combustion Analyser
Bomb Calorimeter for analyzing sulfur content, calorific value etc.
Atomic Absorption Spectrophotometer
Mercury analyzer
Portable Noise level meter (Dosimeter)
Portable Waste Water Analysis Kit
BOD Incubator & COD Digester with colorimeter
Electronic Balance
Colorimeter
Conductivity Meter
Different micron sieves (set)
Dissolved Oxygen Meter – Portable type
Electronic colony counter
Flask Shaker
Hot Air Oven
Laboratory Water Distillation and demineralization unit

5.10 Post Project Environmental Management

The environmental management in the proposed unit will also handled by the existing setup. Presently the environmental management department is headed by Sr. Manager (Safety and Environment). He reports to GM (Tech/VP (Manufacture). The Sr. Manager is assisted by three assistant managers to look after the safety and environmental factors round the clock. Each assistant engineer in turn is assisted by the staff trained in safety and environmental protection.

The organization setup for Environmental Management of the proposed project is given in Figure 5.3.

The department is the nodal agency to co-ordinate and provides necessary services on environmental issues during operation of the project. This environmental group is responsible for implementation of environmental management plan, interaction with the environmental regulatory agencies, reviewing draft policy and planning. This department interacts with Maharashtra State Pollution Control Board (MSPCB) and other environment regulatory agencies. The department also interacts with local people to understand their problems and to formulate appropriate community development plan.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

RED/L.S.I (R25)

Date: 01/03/2024

No:- Format1.0/CC/UAN No.MPCB-
CONSENT_AMMENDMENT-0000012331/CO/240300000
8

To,
Deepak Fertilizers & Petrochemicals Corporation
Limited,
Plot Nos. K-1 Part-1, K-2, K-3, K-4, K-5 & K-6, MIDC
Taloja, Tal. Panvel, Dist. Raigad.



Your Service is Our Duty

Sub: Amendment in existing Consent to Operate. under RED category.

- Ref:**
1. Environment Clearance accorded vide F. No. J-11011/218/2004-IA II (I) dtd. 24.02.2006.
 2. Consent to Operate accorded vide No. Format 1.0/CAC/UAN No.MPCB-CONSENT-0000146287/CO/2301000400 dated 03.01.2023.
 3. Consent to Establish granted vide No. Format 1.0/CAC/UAN No. 0000127936/CE/2207000110 dated 02/7/2022
 4. Minutes of 20th Consent Appraisal Committee meeting held on 11.01.2024

Your application No.MPCB-CONSENT_AMMENDMENT-0000012331 Dated 14.12.2023

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/03/2026**
2. **The capital investment of the project is Rs.643.93 Crs. (As per C.A Certificate submitted by industry Existing-643.76 Cr + Expansion- 0.17 Cr)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Hand Sanitizer (By mixing & blending only)	7200	MT/A
2	METHANOL	99996	MT/A
3	LIQUID CO2	72000	MT/A
4	WEAK NITRIC ACID (Plant No. 3)	99000	MT/A
5	CONCENTRATED NITRIC ACID (Plant Nos. 1,2 and 3)	129600	MT/A
6	Iso Propyl Alcohol	70200	MT/A

Sr No	Product	Maximum Quantity	UOM
7	Di Iso Propyl Ether (DIPE) (FOR DRUM FILLING OPERATION (PACKAGING OPERATION ONLY)	15000	MT/A
8	ISO PROPYL ALCOHOL (FOR DRUM FILLING OPERATION (PACKAGING OPERATION ONLY)	15000	MT/A
9	Electricity power GT-1, 2 and 5 (Gas based excluding DG Sets)	16.9	MW
10	STEAM	696	MT/Day
11	CRUDE DIPE	1440	MT/A
12	Crude IPA/ NPA mixture	1080	MT/A
13	Propane	33000	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	1515.86	As per Schedule -I	Sent to ETP of M/s Smartchem Tech. Ltd., Plot Nos. K-1, MIDC Taloja and treated effluent discharged in outlet sump of CETP
2.	Domestic effluent	51.5	As per Schedule - I	Sent to ETP of M/s Smartchem Tech. Ltd., Plot Nos. K-1, MIDC Taloja and treated effluent discharged in outlet sump of CETP

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Methanol Primary Reformer	1	As per Schedule -II
2	S-2	Weak Nitric Acid plant-3	1	As per Schedule -II
3	S-3	Boiler-A & B	1	As per Schedule -II
4	S-4	Boiler-C	1	As per Schedule -II
5	S-5	Boiler-D	1	As per Schedule -II
6	S-6	Heat Recovery steam generator 1 - Attached to Gas Turbine 1	1	As per Schedule -II
7	S-7	Heat Recovery steam generator 2 - Attached to Gas Turbine 2	1	As per Schedule -II
8	S-8	Heat Recovery steam generator 5 - Attached to Gas Turbine 5	1	As per Schedule -II
9	S-9	DG Set (200 KVA) - IPA Plant	1	As per Schedule -II
10	S-10	DG Set (1000 KVA) - Methanol Plant	1	As per Schedule -II
11	S-11	IPA Flare Stack	1	As per Schedule -II

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
12	S-12	DG Set (20 KVA)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	CANTEEN FOOD WASTE	2190	Kg/Annum	Composting (in house or through Auth. agency)	Used as manure
2	PAPER WASTE, CARTOON	730	Kg/Annum	NA	Sale to Auth. Party/ Vendor
3	PACKAGING WASTE	547.5	Kg/Annum	NA	Sale to Auth. Party/ Vendor
4	INSULATION WASTE	20	MT/A	Landfill	CHWTSDF
5	SPUN FILTERS	1	MT/A	Incineration/ Landfill	CHWTSDF

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	15	KL/A	Recycle	Sale to Auth. Party/ Recycler/ CHWTSDF
2	5.2 Wastes or residues containing oil	1.1	MT/A	Incineration	CHWTSDF
3	18.1 Spent catalyst	48.34	MT/A	Recycle/ Landfill	Sale to Auth. Party/ Recycler/ CHWTSDF
4	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	110	Nos./Y	Recycle	Sale to Auth. Party/ CHWTSDF
5	35.1 KMNO4 Sludge/ Process residue	30	MT/A	Recycle/ Secured Landfill after treatment	Sale to Auth. Party/ CHWTSDF
6	33.1 Spray Cans	50	Nos./Y	Recycle	Sale to Auth. Party/ CHWTSDF
7	33.1 Used Containers	1000	Nos./Y	Recycle	Sale to Auth. Party/ CHWTSDF
8	17.2 Spent platinum Rhodium catalyst	35	Kg/Annum	Recycle	Sale to Auth. Party/ CHWTSDF
9	17.2 Spent / Used Denox catalyst (once in 6 year)	3	MT	Recycle	Sale to Auth. Party/ CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
10	35.2 Spent ion exchange resin (DM Resin)	6	MT/A	Recycle / Incineration	Sale to Auth. Party/ CHWTSDF
11	5.2 Used oil filter (non-metallic)	15	MT/A	Incineration	CHWTSDF

8. Conditions under Batteries (Management & Handling) Rules, 2001:

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	LEAD ACID BATTERIES	20.00	Nos./Y	Sale to Auth. Party/ Recycler
2	Ni-Cd BATTERIES	100.00	Nos./Y	Sale to Auth. Party/ Recycler/ CHWTSDF
3	DRY CELL BATTERIES	100.00	Nos./Y	Sale to Auth. Party/ Recycler/ CHWTSDF

Specific Conditions for used Batteries:

- The applicant shall ensure that used batteries are not disposed of in any manner
- other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
 - The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
 - Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. Conditions under E-Waste Management:

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	E- Waste	2.00	MT/A	Sale to Auth. E-waste Handler/ Recycler

10. Treatment and Disposal of Biomedical Waste generated to CBWTSDF:

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Soiled Waste	20.00	Yellow colored non- chlorinated plastic bags	CBWTSDF
2	Red	Contaminated waste (Recyclable)	5.00	Red colored non chlorinated plastic bags or containers	CBWTSDF
3	White (Translucent)	Waste sharps including Metals	5.00	Puncture proof, Leak proof, tamper proof container	CBWTSDF
4	Blue	a) Glassware	20.00	Puncture proof & leak proof boxes or containers with blue colored marking.	CBWTSDF

11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
13. Industry shall send effluent to ETP of M/s Smartchem Tech. Ltd., Plot Nos. K-1, K-1 Part-1, K-1 Part-2, MIDC Taloja for treatment to achieve Consented standards. The treated effluent shall continue to be discharged to CETP for further treatment & disposal after confirming above standards till DFPCCL completes laying of separate HDPE pipeline to carry treated effluent from STL to the low COD effluent disposal outlet sump at CETP. After the completion of pipeline work, STL is permitted to connect its treated effluent discharge to the new independent pipeline.
14. Industry will be held jointly and severally responsible for operation and maintenance of the ETP and, in case, if JVS results exceeds Consented standards, then both unit i.e. M/s Deepak Fertilizers & Petrochemicals Corporation Ltd. and M/s Smartchem Technologies Limited will be held equally & jointly responsible.
15. Industry shall comply with the conditions stipulated in interim directions on 17.09.2020.
16. Industry shall comply with the conditions stipulated in the Environment Clearance dtd. 24.02.2006.
17. This consent is issued overriding effect to earlier Consent to Operate accorded vide No. Format 1.0/CAC/ UAN No.: -Format1.0/CAC/UAN No. MPCB- CONSENT-0000146287/CO/2301000400 dated 03.01.2023.
18. This consent is issued as per the minutes of 20th Consent Appraisal Committee meeting held on 11.01.2024.



Dr. Avinash



Signed by: **Dr. Avinash Dhakne**
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2024-03-01 17:16:58 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	6000.00	MPCB-DR-13931	07/09/2022	NEFT

Balance Consent fees is of Rs. 1,537/- as per existing C to O dated 20/8/2021 and will be considered at the time of next renewal.

Copy to:

1. Regional Officer, MPCB, Navi Mumbai and Sub-Regional Officer, MPCB, Taloja
 - They are directed to ensure the compliance of the consent conditions.
 - They are directed to forfeit the bank guarantee of Rs. 625000 & obtain top up total BG of Rs. 25 Lakh from the industry
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC Desk- for record & website updating purpose.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have proposed to send 1515.86 CMD industrial effluent to ETP of M/s Smartchem Tech. Ltd., Plot Nos. K-1, K-1 Part-1, K-1 Part-2, MIDC Taloja having designed capacity of 4800 CMD comprising of Process Waste Collection Tank, Collection Tank (Phosphatic Effluent), Reaction Tank-I, Clariflocculator, Collection Tank (IPA Effluent), Aeration Tank (IPA Effluent), Clarifier (IPA Effluent), Reaction Tank-IIA, Reaction Tank-IIA, Ammonia Stripper-I Collection Tank, Reaction Tank-II, Denitrification Tank (Stage-I), Denitrification Tank (Stage-I), Clarifier, Denitrification Tank (Stage-II), Clarifier, Denitrification Tank (Stage-II), Clarifier, Dissolved Air Floatation (DAF), Final Polishing Tank.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	6.5 to 8.5
(2)	Oil & Grease	10
(3)	BOD (3 days 27°C)	100
(4)	Total Suspended solids	100
(5)	COD	250
(6)	TDS	2100
(7)	Ammoniacal Nitrogen as N	50
(8)	Total Kjeldhal Nitrogen (TKN) as N	75
(9)	Free Ammoniacal Nitrogen as N	4
(10)	Fluoride as F	10
(11)	Dissolved Phosphate as P	5
(12)	Nitrate Nitrogen as N	20

- C] The treated effluent shall be discharged into CETP for further treatment & disposal through ETP of M/s Smartchem Tech. Ltd. after confirming above standards. The treated effluent shall continue to be discharged to CETP for further treatment & disposal after confirming above standards till DFPCIL completes laying of separate HDPE pipeline to carry treated effluent from STL to the low COD effluent disposal outlet sump at CETP. After the completion of pipeline work, STL is permitted to connect its treated effluent discharge to the new independent pipeline. In no case, effluent shall find its way for gardening / outside factory premises.
2. A] As per your application, you have proposed to send 51.5 CMD domestic effluent to ETP of M/s Smartchem Tech. Ltd. for treatment & disposal.
- B] Industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1 B & C of schedule I.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	6724.00
2.	Domestic purpose	56.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1024.20
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Methanol Primary Reformer	Stack	30.00	Natural gas 1946 Kg/Hr	-	NO ₂	400 Mg/Nm ³
S-2	Weak Nitric Acid plant-3	Scrubber	60.00	-	-	NO ₂	400 Mg/Nm ³
S-3	Boiler-A & B	Stack	30.00	NATURAL GAS 2221 Kg/Hr	-	NO _x	350 Mg/Nm ³
						PM	10 Mg/Nm ³

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-4	Boiler-C	Stack	30.50	NATURAL GAS 444 Kg/Hr	-	NOx	350 Mg/Nm ³
						PM	10 Mg/Nm ³
S-5	BOILER-D	Stack	63.00	NATURAL GAS 1644 Kg/Hr	-	NOx	350 Mg/Nm ³
						PM	10 Mg/Nm ³
S-6	Heat Recovery steam generator 1- Attached to gas turbine 1	Stack	30.00	NATURAL GAS 1331 Kg/Hr	-	NOx	350 Mg/Nm ³
						PM	10 Mg/Nm ³
S-7	Heat Recovery steam generator 2- Attached to gas turbine 2	Stack	30.00	NATURAL GAS 1331 Kg/Hr	-	NOx	350 Mg/Nm ³
						PM	10 Mg/Nm ³
S-8	Heat Recovery steam generator 5- Attached to gas turbine 5	Stack	30.00	NATURAL GAS 1534 Kg/Hr	-	NOx	350 Mg/Nm ³
						PM	10 Mg/Nm ³
S-9	DG Set (200 KVA) - IPA Plant	Stack of height 3 mtrs above roof	3.00	DIESEL 33 Kg/Hr	1	SO2	16 Kg/Day
S-10	DG Set (1000 KVA) - Methanol Plant	Stack of height 6.5 mtrs above roof	6.50	DIESEL 166.66 Kg/Hr	1	SO2	80 Kg/Day
S-11	IPA Flare Stack (Burning shall be smokeless)	Stack	65.00	NATURAL GAS 1.84 Kg/Hr	-	-	-
S-12	DG Set (20 KVA)	Stack	2.50	Diesel 4.2 Ltr/Hr	1	TPM	150 Mg/Nm ³

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2R	2500000	Within 15 days	Towards O&M of pollution control systems and towards compliance of the Consent conditions	31.03.2026	31.07.2026

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	C to R	25 Lakh	Existing	Towards O&M of pollution control systems and towards compliance of the Consent conditions	625000	Towards JVS exceedance

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

- Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
- Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board

3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
 1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.
Storage for disassembled parts: The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.
 2. **Storage for other components and residues:** Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.
 3. **Balances** : WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
 4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDf.
 5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
 6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDf.
 7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
 8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDf.

9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
 10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
 11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based
 7. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
 8. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
 9. The applicant shall maintain good housekeeping.
 10. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
 11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 12. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 13. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
 14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.

15. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
16. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
17. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
18. The PP shall provide personal protection equipment as per norms of Factory Act
19. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
20. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
21. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
22. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
25. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.
28. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

29. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
30. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
31. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
32. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
33. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
34. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
35. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
36. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
37. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
38. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.

EQUINOX TEST REPORT

Report Issue Date : 4-May-24

Reference Number : EQNX:001:LAB:D:24:04:06600 A

ULR - TC682024000026000F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample	: Stack Monitoring	Date of Sampling	: 26-Apr-24
Sampling Method	: Each analytical method covers the sampling procedure	Date of Receipt	: 26-Apr-24
Date of Start of Analysis	: 26-Apr-24	Date of End of Analysis	: 2-Apr-24

Stack Details :-

Stack Attached To	: WNA 3 Process Stack	Stack Height	: 60 m
Shape of Stack	: Round	Stack Diameter	: 0.953 m
Material of Construction	: MS	Stack Velocity	: 4.9 m/s
Stack Temperature	: 120 °C	Rate of Emission	: 9511.2 Nm ³ /Hr
Type of Fuel	: -		
Consumption	: -		

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	ppm	200	Not Specified
			mg/Nm ³	252	< 400

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board

Remark - The Above Result Found Satisfactory as per MPCB Limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Report Issue Date : 4-May-24

Reference Number : EQNX:001:LAB:D:24:04:06600 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample	: Stack Monitoring	Date of Sampling	: 26-Apr-24
Sampling Method	: Each analytical method covers the sampling procedure	Date of Receipt	: 26-Apr-24
Date of Start of Analysis	: 26-Apr-24	Date of End of Analysis	: 2-Apr-24

Stack Details :-

Stack Attached To	: WNA 3 Process Stack	Stack Height	: 60 m
Shape of Stack	: Round	Stack Diameter	: 0.953 m
Material of Construction	: MS	Stack Velocity	: 4.9 m/s
Stack Temperature	: 120 ⁰ C	Rate of Emission	: 9511.2 Nm ³ /Hr
Type of Fuel	: -		
Consumption	: -		

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm ³	0.81	Not Specified

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 25-Apr-24

Reference Number : EQNX.001.LAB.D.24.04.04129 A

ULR-TC682024000033627F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta / Vilthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 15-Apr-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 18-Apr-24
Date of Start of Analysis : 18-Apr-24 Date of End of Analysis : 23-Apr-24

Stack Details :-

Stack Attached To : DG Stack 1150 KVA (Methanol Plant)
Shape of Stack : Round Stack Height : 6.5 m
Material of Construction : MS Stack Diameter : 0.28 m
Stack Temperature : 107 °C Stack Velocity : 9.5 m/s
Type of Fuel : Diesel Rate of Emission : 1646.3Nm³/Hr
Consumption : 75 to 80 Liter/Hr

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	g/kw-hr	0.15	≤ 0.2
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	Kg/day	2.8	≤ 80
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	g/kw-hr	0.34	≤ 4.0
4	Carbon Monoxide (CO)	SOP-ENV-26-01	g/kw-hr	0.75	≤ 3.5

Limits as per client requirement

*MPCB - Maharashtra Pollution Control Board

Remark - The Above Result Found Satisfactory as per MPCB Limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 25-Apr-24

Reference Number : EQNX:001:LAB:D:24:04:04129 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 15-Apr-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 18-Apr-24
Date of Start of Analysis : 18-Apr-24 Date of End of Analysis : 23-Apr-24

Stack Details : -

Stack Attached To : DG Stack 1150 KVA (Methanol Plant)
Shape of Stack : Round Stack Height : 6.5 m
Material of Construction : MS Stack Diameter : 0.28 m
Stack Temperature : 107 °C Stack Velocity : 9.5 m/s
Type of Fuel : Diesel Rate of Emission : 1646.3Nm³/Hr
Consumption : 75 to 80 Liter/Hr

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table : -

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Non Methane Hydrocarbon (NMHC)	By Gas Chromatography	g/kw-hr	0.22	Not Specified

Limits as per client requirement

*MPCB - Maharashtra Pollution Control Board


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 25-Apr-24

Reference Number : EQNX:001:LAB:D:24:04:04125

ULR-TC682024000034328F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1, Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC, Taloja, Tal. Parvel, Dist. Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring
Sampling Method : Each analytical method covers the sampling procedure
Date of Start of Analysis : 18-Apr-24
Date of Sampling : 16-Apr-24
Date of Receipt : 18-Apr-24
Date of End of Analysis : 23-Apr-24

Stack Details : -

Stack Attached To : DG Stack 20 KVA (K6 Plant)
Shape of Stack : Round
Material of Construction : MS
Stack Temperature : 110^oC
Type of Fuel : Diesel
Consumption : -
Stack Height : 10 m
Stack Diameter : 0.1 m
Stack Velocity : 11.1 m/s
Rate of Emission : 306.7 Nm³/Hr

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	g/kw-hr	0.12	≤ 0.3
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	Kg/day	0.3	Not Specified
3	Oxides of Nitrogen (NOx) + Hydrocarbon (HC)	SOP-ENV-26-01	g/kw-hr	2.7	≤ 7.5
4	Carbon Monoxide (CO)	SOP-ENV-26-01	g/kw-hr	0.2	≤ 3.5

*Limits as per client requirement.

*MPCB - Maharashtra Pollution Control Board.

Remark : The Above Result Found Satisfactory as per MPCB Limits..


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 25-Apr-24

Reference Number : EQNX:001:LAB:D:24:04:04124

ULR-TC682024000034329F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 16-Apr-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 18-Apr-24
Date of Start of Analysis : 18-Apr-24 Date of End of Analysis : 23-Apr-24

Stack Details : -

Stack Attached To : DG Stack - IPA - 200 KVA
Shape of Stack : Round Stack Height : 3.0 m
Material of Construction : MS Stack Diameter : 0.2 m
Stack Temperature : 94 °C Stack Velocity : 9.9 m/s
Type of Fuel : Diesel Rate of Emission : 906.3 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table : -

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	g/kw-hr	0.36	≤ 0.2
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	Kg/day	1.2	≤ 16
3	Oxides of Nitrogen (NOx) + Hydrocarbon (HC)	SOP-ENV-26-01	g/kw-hr	3.7	≤ 4
4	Carbon Monoxide (CO)	SOP-ENV-26-01	g/kw-hr	2.2	≤ 3.5

*Limits as per client requirement.

MPCB* - Maharashtra Pollution Control Board

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 3-Jun-24

Reference Number : EQNX:001:LAB:D:24:05:07591

ULR - TC682024000034042F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : PLOT K-1, PART-1, K-2, K-3, K-4, K-5 & Amp; K-6, MIDC Taloja, Taluka – Panvel, Dist. – Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 29-May-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 29-May-24
Date of Start of Analysis : 29-May-24 Date of End of Analysis : 31-May-24

Stack Details :-

Stack Attached To : HRSG - 2 (Process Stack)
Shape of Stack : Round Stack Height : 30 m
Material of Construction : MS Stack Diameter : 1.5 m
Stack Temperature : 29 °C Stack Velocity : 6.8 m/s
Type of Fuel : - Rate of Emission : 42552.8 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	6.5	≤ 10
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	mg/Nm ³	3.4	Not Specified
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	mg/Nm ³	18.4	≤ 350
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 28-May-24

Reference Number : EQNX.001:LAB:D:24:05:06579

ULR - TC682024000032998F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : PLOT K-1, PART-1, K-2, K-3, K-4, K-5 & Amp; K-6, MIDC Taloja, Taluka - Panvel, Dist. - Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 22-May-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 24-May-24
Date of Start of Analysis : 24-May-24 Date of End of Analysis : 27-May-24

Stack Details :-

Stack Attached To : HRSG - 5 (Process Stack)
Shape of Stack : Round Stack Height : 30 m
Material of Construction : MS Stack Diameter : 1.5 m
Stack Temperature : 104°C Stack Velocity : 7.1 m/s
Type of Fuel : - Rate of Emission : 35591.3 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	3.8	≤ 10
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	mg/Nm ³	2.8	Not Specified
3	Oxides of Nitrogen (NO _x)	SOP-ENV-26-01	mg/Nm ³	36.0	≤ 350
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 25-May-24

Reference Number : EQNX.001:LAB:D:24:05:05277

ULR - TC682024000031944F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : PLOT K-1, PART-1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Taluka - Panvel, Dist. - Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 17-May-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 18-May-24
Date of Start of Analysis : 18-May-24 Date of End of Analysis : 22-May-24

Stack Details : -

Stack Attached To : DFPCL Boiler Stack A/B
Shape of Stack : Round Stack Height : 30 m
Material of Construction : MS Stack Diameter : 1.5 m
Stack Temperature : 112 °C Stack Velocity : 11.5 m/s
Type of Fuel : - Rate of Emission : 56450 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table : -

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	5.6	≤ 150
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	kg/day	Not Detected	≤ 3200
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	ppm	Not Detected	Not Specified
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board

Remark : The Above Result Found Satisfactory as per MPCB Limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 25-May-24

Reference Number : EQNX:001:LAB:D:24:05:05276

ULR - TC682024000031943F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : PLOT K-1, PART-1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Taluka – Panvel, Dist. – Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring	Date of Sampling : 17-May-24
Sampling Method : Each analytical method covers the sampling procedure	Date of Receipt : 18-May-24
Date of Start of Analysis : 18-May-24	Date of End of Analysis : 22-May-24

Stack Details : -

Stack Attached To : DFPCL Boiler Stack D	Stack Height : 63 m
Shape of Stack : Round	Stack Diameter : 2.5 m
Material of Construction : MS	Stack Velocity : 4.8 m/s
Stack Temperature : 94 °C	Rate of Emission : 68659.3 Nm ³ /Hr
Type of Fuel : -	
Consumption : -	

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	6.5	≤ 150
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	kg/day	Not Detected	≤ 3200
3	Oxides of Nitrogen (NO _x)	SOP-ENV-26-01	ppm	4.1	Not Specified
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board

Remark : The Above Result Found Satisfactory as per MPCB Limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 29-Jul-24

Reference Number : EQNX:001:LAB:D:24:07:07358 A

ULR - TC682024000051759F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample	: Stack Monitoring	Date of Sampling	: 23-Jul-24
Sampling Method	: Each analytical method covers the sampling procedure	Date of Receipt	: 23-Jul-24
Date of Start of Analysis	: 23-Jul-24	Date of End of Analysis	: 27-Jul-24

Stack Details : -

Stack Attached To	: WNA 3	Stack Height	: 60 m
Shape of Stack	: Round	Stack Diameter	: 0.953 m
Material of Construction	: MS	Stack Velocity	: 4.4 m/s
Stack Temperature	: 111 °C	Rate of Emission	: 8740.8Nm ³ /Hr
Type of Fuel	: -		
Consumption	: -		

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table : -

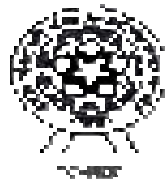
Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	ppm	225.8	Not Specified
			mg/Nm ³	156.8	< 400

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board

Remark - The Above Result Found Satisfactory as per MPCB Limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue Date : 29-Jul-24

Reference Number : EQNX:001:LAB:D:24:07:07358 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 23-Jul-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 23-Jul-24
Date of Start of Analysis : 23-Jul-24 Date of End of Analysis : 27-Jul-24

Stack Details : -

Stack Attached To : WNA 3
Shape of Stack : Round Stack Height : 60 m
Material of Construction : MS Stack Diameter : 0.953 m
Stack Temperature : 111 °C Stack Velocity : 4.4 m/s
Type of Fuel : - Rate of Emission : 8740.8Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table : -

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Ammonia	IS - 11255 (Part - VI) 1999	mg/Nm ³	1.3	Not Specified

*Limits as per client requirement

MPCB* - Maharashtra Pollution Control Board


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue Date : 24-Jul-24

Reference Number : EQNX:001:LAB:D:24:07:05727

ULR - TC682024000050326F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1, Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC, Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 16-Jul-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 18-Jul-24
Date of Start of Analysis : 18-Jul-24 Date of End of Analysis : 23-Jul-24

Stack Details : -

Stack Attached To : DG Stack 20 KVA (K6 Plant)
Shape of Stack : Round Stack Height : 10 m
Material of Construction : MS Stack Diameter : 0.1 m
Stack Temperature : 54 °C Stack Velocity : 6.8 m/s
Type of Fuel : Diesel Rate of Emission : 174.7 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table : -

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	g/kw-hr	0.1	≤ 0.3
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	Kg/day	0.11	Not Specified
3	Oxides of Nitrogen (NOx) + Hydrocarbon (HC)	SOP-ENV-26-01	g/kw-hr	3.4	≤ 7.5
4	Carbon Monoxide (CO)	SOP-ENV-26-01	g/kw-hr	0.15	≤ 3.5

*Limits as per client requirement.

*MPCB - Maharashtra Pollution Control Board.

Remark : The Above Result Found Satisfactory as per MPCB Limits..



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 28-Aug-24

Reference Number : EQNX:001:LAB:D:24:08:06537

ULR - TC682024000059689F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1, Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring
Sampling Method : Each analytical method covers the sampling procedure
Date of Start of Analysis : 21-Aug-24
Date of Sampling : 22-Aug-24
Date of Receipt : 22-Aug-24
Date of End of Analysis : 27-Aug-24

Stack Details :-

Stack Attached To : HRSG - 1 (Process Stack)
Shape of Stack : Round
Material of Construction : MS
Stack Temperature : 105 °C
Type of Fuel : -
Consumption : -
Stack Height : 30.0 m
Stack Diameter : 1.5 m
Stack Velocity : 6.2 m/s
Rate of Emission : 30997.5 Nm³/Hr

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	7.8	≤ 10
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	mg/Nm ³	Not Detected	Not Specified
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	mg/Nm ³	Not Detected	≤ 350
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement.

*MPCB - Maharashtra Pollution Control Board.

Remark : The Above Result Found Satisfactory as per MPCB Limits..


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 30-Aug-24

Reference Number : EQNX.001:LAB.D:24:08:07323

ULR - TC682024000060423F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1, Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample	: Stack Monitoring	Date of Sampling	: 26-Aug-24
Sampling Method	: Each analytical method covers the sampling procedure	Date of Receipt	: 26-Aug-24
Date of Start of Analysis	: 23-Aug-24	Date of End of Analysis	: 29-Aug-24

Stack Details :-

Stack Attached To	: HRSG - 2 (Process Stack)	Stack Height	: 30.0 m
Shape of Stack	: Round	Stack Diameter	: 1.5 m
Material of Construction	: MS	Stack Velocity	: 6.4 m/s
Stack Temperature	: 105 °C	Rate of Emission	: 31997.4 Nm ³ /Hr
Type of Fuel	: -		
Consumption	: -		

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	5.8	≤ 10
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	mg/Nm ³	3.6	Not Specified
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	mg/Nm ³	1.0	≤ 350
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement.

*MPCB - Maharashtra Pollution Control Board.

Remark : The Above Result Found Satisfactory as per MPCB Limits.

Atul Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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EQUINOX TEST REPORT

Report Issue Date : 28-Aug-24

Reference Number : EQNX:001:LAB:D:24:08:06538

ULR - TC682024000059690F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1, Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC, Talaja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 22-Aug-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 22-Aug-24
Date of Start of Analysis : 22-Aug-24 Date of End of Analysis : 27-Aug-24

Stack Details :-

Stack Attached To : HRSG - 5 (Process Stack)
Shape of Stack : Round Stack Height : 10.0 m
Material of Construction : MS Stack Diameter : 1.5 m
Stack Temperature : 208 °C Stack Velocity : 6.4 m/s
Type of Fuel : Process Stack Rate of Emission : 25145.6 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	2.8	≤ 10
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	mg/Nm ³	1.8	Not Specified
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	mg/Nm ³	1.0	≤ 350
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement.

*MPCB - Maharashtra Pollution Control Board.

Remark : The Above Result Found Satisfactory as per MPCB Limits..


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 29-Aug-24

Reference Number : EQNX:001:LAB.D:24:08:06708

ULR - TC682024000059877F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1, Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC, Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Nature of Sample : Stack Monitoring Date of Sampling : 21-Aug-24
Sampling Method : Each analytical method covers the sampling procedure Date of Receipt : 23-Aug-24
Date of Start of Analysis : 23-Aug-24 Date of End of Analysis : 28-Aug-24

Stack Details :-

Stack Attached To : Boiler D (Process Stack)
Shape of Stack : Round Stack Height : 63 m
Material of Construction : MS Stack Diameter : 2.5 m
Stack Temperature : 41 °C Stack Velocity : 4.4 m/s
Type of Fuel : - Rate of Emission : 73560.9 Nm³/Hr
Consumption : -

Discipline : Chemical

Group : Atmospheric Pollution

Observation Table :-

Sr. No.	Parameters	Test Method	Unit	Result	Limits as per MPCB*
1	Total Particulate Matter (TPM)	IS - 11255 (Part - 1) 1985, RA 2019	mg/Nm ³	5.8	≤ 150
2	Sulphur Dioxide (SO ₂)	IS - 11255 (Part - 2) 1985, RA 2019	Kg/day	Not Detected	Not Specified
3	Oxides of Nitrogen (NOx)	SOP-ENV-26-01	mg/Nm ³	2.0	Not Specified
4	Carbon Monoxide (CO)	SOP-ENV-26-01	mg/Nm ³	Not Detected	Not Specified

*Limits as per client requirement.

*MPCB - Maharashtra Pollution Control Board.

Remark : The Above Result Found Satisfactory as per MPCB Limits..


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB/A:24:04:02938 A

Report Issue Date : 20-Apr-24

ULR-TC682024000026326F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Parvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Methanol Gate

Sample Description : Ambient Air Monitoring

Temperature : 32.8°C

Relative Humidity : 59%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 08-Apr-24 To 09-Apr-24

Date of Receipt : 13-Apr-24

Date of Start of Analysis : 13-Apr-24

Date of End of Analysis : 18-Apr-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	43.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	77.5	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	4.6	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	< 2.0	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS


*AQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


 Assistant Manager - Air
 (Authorised Signatory)
 Mr. Atul Mandhare



TC-6820


 Technical Manager - Instrumentation
 (Authorised Signatory)
 Mr. Sachin Tambe



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+91 22 50647422

info@equinoxlab.com

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DRAFT TEST REPORT

Report Issue Date : 20-Apr-24

Reference Number : EQNX:001:LAB:A:24:04:02939 A

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near IPA Gate

Sample Description : Ambient Air Monitoring

Temperature : 32.8°C

Relative Humidity : 59%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 08-Apr-24 To 09-Apr-24

Date of Receipt : 13-Apr-24

Date of Start of Analysis : 13-Apr-24

Date of End of Analysis : 18-Apr-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	47.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	82.5	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air
(Authorised Signatory)Technical Manager - Instrumentation
(Authorised Signatory)

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+91 22 50647422

info@equinoxlab.com

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DRAFT TEST REPORT

Report Issue Date : 20-Apr-24

Reference Number : EQNX:001:LAB:A:24:04:02941 A

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near WNA III Plant Area

Sample Description : Ambient Air Monitoring

Temperature : 32.8°C

Relative Humidity : 59%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 08-Apr-24 To 09-Apr-24

Date of Receipt : 13-Apr-24

Date of Start of Analysis : 13-Apr-24

Date of End of Analysis : 18-Apr-24

Lateral Distance : 1.5 m

Discipline : ChemicalGroup : Atmospheric PollutionRESULTS OF ANALYSIS

No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	46.6	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	84.7	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	24.8	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

***NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air
(Authorised Signatory)Technical Manager - Instrumentation
(Authorised Signatory)Note :

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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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DRAFT TEST REPORT

Report Issue Date : 20-Apr-24

Reference Number : EQNX:001:LAB:A:24:04:02944 A

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Acid Tank

Sample Description : Ambient Air Monitoring

Temperature : 32.8°C

Relative Humidity : 59%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 08-Apr-24 To 09-Apr-24

Date of Receipt : 13-Apr-24

Date of Start of Analysis : 13-Apr-24

Date of End of Analysis : 18-Apr-24

Lateral Distance : 1.5 m

Discipline : ChemicalGroup : Atmospheric PollutionRESULTS OF ANALYSIS

No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	54.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	91.4	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	20	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

* NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air
(Authorised Signatory)Technical Manager - Instrumentation
(Authorised Signatory)

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Your Testing and Auditing Partner

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Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:05:06586 A

Report Issue Date : 31-May-24

ULR - TC682024000033224F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Methanol Gate

Sample Description : Ambient Air Monitoring

Temperature : 31.8°C

Relative Humidity : 73%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 21-May-24 to 22-May-24

Date of Receipt : 24-May-24

Date of Start of Analysis : 24-May-24

Date of End of Analysis : 29-May-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	48.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	96.9	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare




Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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Your Testing and Auditing Partner

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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:05:06587 A

Report Issue Date : 31-May-24

ULR - TC682024000033225F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near IPA Gate

Sample Description : Ambient Air Monitoring

Temperature : 31.8°C

Relative Humidity : 73%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 21-May-24 to 22-May-24

Date of Receipt : 24-May-24

Date of Start of Analysis : 24-May-24

Date of End of Analysis : 29-May-24

Lateral Distance : 1.5 m

Discipline : Chemical


Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	54.9	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	89.6	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	39.6	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:05:06588 A

Report Issue Date : 31-May-24

ULR - TC682024000033226F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near WNA III Plant Area

Sample Description : Ambient Air Monitoring

Temperature : 31.8°C

Relative Humidity : 73%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 21-May-24 to 22-May-24

Date of Receipt : 24-May-24

Date of Start of Analysis : 24-May-24

Date of End of Analysis : 29-May-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

LISTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	52.9	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	87.2	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	20.0	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	60.7	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:05:06589 A

Report Issue Date : 31-May-24

ULR - TC682024000033227F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta / Vitthal Jadhav

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Acid Tank

Sample Description : Ambient Air Monitoring

Temperature : 31.8°C

Relative Humidity : 73%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 21-May-24 to 22-May-24

Date of Receipt : 24-May-24

Date of Start of Analysis : 24-May-24

Date of End of Analysis : 29-May-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	44.1	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	84.7	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	6.2	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	31.2	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:A:24:06:09167 A

Report Issue Date : 4-Jul-24

ULR - TC682024000043710F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near IPA Gate	Date of Sampling : 24-Jun-24 To 25-Jun-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 27-Jun-24
Temperature : 29.5 °C	Date of Start of Analysis : 27-Jun-24
Relative Humidity : 75%	Date of End of Analysis : 2-Jul-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	55.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	89.1	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	8.4	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	59.2	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare




Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:06:09166 A

Report Issue Date : 4-Jul-24

ULR - TC682024000043709F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Methanol Gate

Sample Description : Ambient Air Monitoring

Temperature : 29.5 °C

Relative Humidity : 75%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 24-Jun-24 To 25-Jun-24

Date of Receipt : 27-Jun-24

Date of Start of Analysis : 27-Jun-24

Date of End of Analysis : 2-Jul-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	50.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	91.9	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	3.0	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	67.1	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:06:09169 A

Report Issue Date : 4-Jul-24

ULR - TC682024000043711F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near WNA III Plant Area
Sample Description : Ambient Air Monitoring
Temperature : 29.5 °C
Relative Humidity : 75%
Receptor Height : 3.0 m From Ground Level

Date of Sampling : 24-Jun-24 To 25-Jun-24
Date of Receipt : 27-Jun-24
Date of Start of Analysis : 27-Jun-24
Date of End of Analysis : 2-Jul-24
Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	46.6	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	79.6	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	12.8	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	56.3	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS


*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:06:09170 A

Report Issue Date : 4-Jul-24

ULR - TC682024000043712F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Acid Tank

Sample Description : Ambient Air Monitoring

Temperature : 29.5 °C

Relative Humidity : 75%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 24-Jun-24 To 25-Jun-24

Date of Receipt : 27-Jun-24

Date of Start of Analysis : 27-Jun-24

Date of End of Analysis : 2-Jul-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	40.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	76.2	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.4	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	41.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-37-00	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	58.6	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-37-00	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-37-00	< 0.02	< 20	NAAQS

* NAAQS : National Ambient Air Quality Standards.

mark : All the parameters are found within limits.

Atul Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820

Sachin Tambe
Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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+91 22 50647422

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00854 A

Report Issue Date : 9-Jul-24

ULR - TC682024000045461F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Methanol Gate
Sample Description : Ambient Air Monitoring
Temperature : 29°C
Relative Humidity : 80%
Receptor Height : 3.0 m From Ground Level
Date of Sampling : 01-Jul-24 to 02-Jul-24
Date of Receipt : 3-Jul-24
Date of Start of Analysis : 3-Jul-24
Date of End of Analysis : 8-Jul-24
Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	56.2	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	92.6	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	1.1	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	4.9	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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+91 22 50647422

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00856 A

Report Issue Date : 9-Jul-24

ULR - TC682024000045463F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near WNA III Plant Area

Sample Description : Ambient Air Monitoring

Temperature : 29°C

Relative Humidity : 80%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 01-Jul-24 to 02-Jul-24

Date of Receipt : 3-Jul-24

Date of Start of Analysis : 3-Jul-24

Date of End of Analysis : 8-Jul-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	43.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	85.5	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.7	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	2.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	5.7	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	2.9	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00855 A

Report Issue Date : 9-Jul-24

ULR - TC682024000045462F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near IPA Gate

Sample Description : Ambient Air Monitoring

Temperature : 29°C

Relative Humidity : 80%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 01-Jul-24 to 02-Jul-24

Date of Receipt : 3-Jul-24

Date of Start of Analysis : 3-Jul-24

Date of End of Analysis : 8-Jul-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	54.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	89.3	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.5	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	9.3	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	31.5	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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+91 22 50647422

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www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 9-Jul-24

Reference Number : EQNX:001:LAB:A:24:07:00857 A

ULR - TC682024000045464F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED-

Sampling Location : Near Acid Tank

Sample Description : Ambient Air Monitoring

Temperature : 29°C

Relative Humidity : 80%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 01-Jul-24 to 02-Jul-24

Date of Receipt : 3-Jul-24

Date of Start of Analysis : 3-Jul-24

Date of End of Analysis : 8-Jul-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	43.7	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	80.6	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.6	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	30.2	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-ENV-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	42.4	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-ENV-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-ENV-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

mark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB: A:24:08:04808 A

Report Issue Date : 23-Aug-24

ULR - TC682024000058016F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near WAN III Plant Area

Sample Description : Ambient Air Monitoring

Temperature : 28.3°C

Relative Humidity : 75%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 15-Aug-24 to 16-Aug-24

Date of Receipt : 16-Aug-24

Date of Start of Analysis : 16-Aug-24

Date of End of Analysis : 21-Aug-24

Lateral Distance : 3.0 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr.	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	35.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	67.9	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.54	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	6.1	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remarks : All the parameters are found within limits.

Atul Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820

Sachin Tambe

Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB: A:24:08:03011 A

Report Issue Date : 17-Aug-24

ULR - TC682024000056422F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Acid Tank	Date of Sampling : 09-Aug-24 to 10-Aug-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 10-Aug-24
Temperature : 27.8°C	Date of Start of Analysis : 10-Aug-24
Relative Humidity : 80%	Date of End of Analysis : 14-Aug-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 3.0 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

S	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	38.3	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	72.3	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.63	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	29.7	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

* NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820




Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB: A:24:08:03009 A

Report Issue Date : 17-Aug-24

ULR - TC682024000056419F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near IPA Gate

Sample Description : Ambient Air Monitoring

Temperature : 27.8°C

Relative Humidity : 80%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 09-Aug-24 to 10-Aug-24

Date of Receipt : 10-Aug-24

Date of Start of Analysis : 10-Aug-24

Date of End of Analysis : 14-Aug-24

Lateral Distance : 3.0 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	40.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	73.4	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.44	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	26.1	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remarks : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB: A:24:08:03008 A

Report Issue Date : 17-Aug-24

ULR - TC682024000056417F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Methanol Gate

Sample Description : Ambient Air Monitoring

Temperature : 27.8°C

Relative Humidity : 80%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 09-Aug-24 to 10-Aug-24

Date of Receipt : 10-Aug-24

Date of Start of Analysis : 10-Aug-24

Date of End of Analysis : 14-Aug-24

Lateral Distance : 1.5 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

S.	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	46.2	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	79.5	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.48	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	< 6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	< 0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	27.7	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820


Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

equinox LABS

Report Issue Date : 20-Sep-24

Reference Number : EQNX.001:LAB: A:24:09:04036 A

ULR - TC682024000065220F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Acid Tank	Date of Sampling : 11-Sep-24 to 12-Sep-24
Sample Description : Ambient Air Monitoring	Date of Receipt : 13-Sep-24
Temperature : 27.8 °C	Date of Start of Analysis : 14-Sep-24
Relative Humidity : 83%	Date of End of Analysis : 18-Sep-24
Receptor Height : 3.0 m From Ground Level	Lateral Distance : 3.0 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	40.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	80.9	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.50	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	2.1	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	9.9	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	<0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	13.5	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


 Assistant Manager - Air
 (Authorised Signatory)
 Mr. Atul Mandhare



TC-6820


 Technical Manager - Instrumentation
 (Authorised Signatory)
 Mr. Sachin Tambe

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info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB: A:24:09:04035 A

Report Issue Date : 20-Sep-24

ULR - TC682024000065219F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near WNA III Plant Area

Sample Description : Ambient Air Monitoring

Temperature : 27.8 °C

Relative Humidity : 83%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 11-Sep-24 to 12-Sep-24

Date of Receipt : 13-Sep-24

Date of Start of Analysis : 14-Sep-24

Date of End of Analysis : 18-Sep-24

Lateral Distance : 3.0 m

Discipline : ChemicalGroup : Atmospheric Pollution**RESULTS OF ANALYSIS**

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	45.8	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	74.2	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.61	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	<2.5	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	<0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	15.5	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


 Assistant Manager - Air
 (Authorised Signatory)
 Mr. Atul Mandhare


TC-6820


 Technical Manager - Instrumentation
 (Authorised Signatory)
 Mr. Sachin Tambe

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EQUINOX TEST REPORT

equinox LABS

Reference Number : EQNX:001:LAB: A:24:09:04034 A

Report Issue Date : 20-Sep-24

ULR - TC682024000065218F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near IPA Gate

Sample Description : Ambient Air Monitoring

Temperature : 27.8 °C

Relative Humidity : 83%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 11-Sep-24 to 12-Sep-24

Date of Receipt : 13-Sep-24

Date of Start of Analysis : 14-Sep-24

Date of End of Analysis : 18-Sep-24

Lateral Distance : 3.0 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	47.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	79.2	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.69	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	11.4	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	<0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	<2.0	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


 Assistant Manager - Air
 (Authorised Signatory)
 Mr. Atul Mandhare



TC-6820


 Technical Manager - Instrumentation
 (Authorised Signatory)
 Mr. Sachin Tamba

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EQUINOX TEST REPORT

equinox LABS

Reference Number : EQNX:001:LAB: A:24:09:04033 A

Report Issue Date : 20-Sep-24

ULR - TC682024000065217F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1, Part - 1, K - 2, K - 3, K - 4, K - 5 & K - 6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Location : Near Methanol Gate

Sample Description : Ambient Air Monitoring

Temperature : 27.8 °C

Relative Humidity : 83%

Receptor Height : 3.0 m From Ground Level

Date of Sampling : 11-Sep-24 to 12-Sep-24

Date of Receipt : 13-Sep-24

Date of Start of Analysis : 14-Sep-24

Date of End of Analysis : 18-Sep-24

Lateral Distance : 3.0 m

Discipline : Chemical

Group : Atmospheric Pollution

RESULTS OF ANALYSIS

Sr. No	Parameters	Units	Method	Result	Specified Limits*	Standards*
1	Particulate Matter < 2.5 µm	µg/m ³	CFR 40 – Appendix L	50.4	< 60	NAAQS
2	Particulate Matter < 10.0 µm	µg/m ³	IS 5182 : Part - 23	85.4	< 100	NAAQS
3	Carbon Monoxide	mg/m ³	SOP-ENV-39-00	0.56	< 4	NAAQS
4	Ozone	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 411	<1.0	<180	NAAQS
5	Nitrogen Dioxide	µg/m ³	IS - 5182 : Part - 6	9.1	< 80	NAAQS
6	Sulphur Dioxide	µg/m ³	IS - 5182 : Part - 2	<6.0	< 80	NAAQS
7	Lead	µg/m ³	SOP-CHM-27-02	<0.5	< 1	NAAQS
8	Ammonia	µg/m ³	Method of Air Sampling and Analysis, 3 rd Edition – Method No - 401	46.4	< 400	NAAQS
9	Benzene	µg/m ³	IS - 5182 : Part 11	< 1.0	< 5	NAAQS
10	Benzo Pyrene	ng/m ³	IS - 5182 : Part 12	< 0.1	< 1	NAAQS
11	Arsenic	ng/m ³	SOP-CHM-27-02	< 0.005	< 6	NAAQS
12	Nickel	ng/m ³	SOP-CHM-27-02	< 0.02	< 20	NAAQS

*NAAQS : National Ambient Air Quality Standards.

Remark : All the parameters are found within limits.


 Assistant Manager - Air
 (Authorised Signatory)
 Mr. Atul Mandhare



TC-6820


 Technical Manager - Instrumentation
 (Authorised Signatory)
 Mr. Sachin Tambe

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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 2-May-24

Reference Number : EQNX-001:LAB:A:24:04:05941 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 24-Apr-24
Sampling Location	: GT-1	Date of Receipt	: 24-Apr-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 24-Apr-24
		Date of End of Analysis	: 29-Apr-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.057	< 15	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:04:05941 A

Report Issue Date : 2-May-24

ULR - TC682024000025182F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Parvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 24-Apr-24
Sampling Location	: GT-1	Date of Receipt	: 24-Apr-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 24-Apr-24
		Date of End of Analysis	: 29-Apr-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.82	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.018	< 5	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.

Atul Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 2-May-24

Reference Number : EQNX:001:LAB:A:24:04:05942 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 24-Apr-24
Sampling Location	: GT-2	Date of Receipt	: 24-Apr-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 24-Apr-24
		Date of End of Analysis	: 29-Apr-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.060	< 15	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:04:05942 A

Report Issue Date : 2-May-24

ULR - TC682024000025183F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Parvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-2
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 24-Apr-24
Date of Receipt : 24-Apr-24
Date of Start of Analysis : 24-Apr-24
Date of End of Analysis : 29-Apr-24

RESULTS OF ANALYSIS

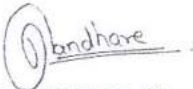
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.58	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.0020	< 5	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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+91 22 50647422

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EQUINOX TEST REPORT

Report Issue Date : 2-May-24

Reference Number : EQNX:001:LAB:A:24:04:05943 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 24-Apr-24
Sampling Location	: GT-5	Date of Receipt	: 24-Apr-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 24-Apr-24
		Date of End of Analysis	: 29-Apr-24

RESULTS OF ANALYSIS

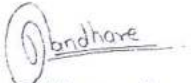
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.054	< 15	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:04:05943 A

Report Issue Date : 2-May-24

ULR - TC682024000025184F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-5
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 24-Apr-24
Date of Receipt : 24-Apr-24
Date of Start of Analysis : 24-Apr-24
Date of End of Analysis : 29-Apr-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.47	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.0020	< 5	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.

Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:05:05038 A

Report Issue Date : 25-May-24

ULR - TC682024000031713F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-1
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 15-May-24
Date of Receipt : 18-May-24
Date of Start of Analysis : 18-May-24
Date of End of Analysis : 24-May-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.48	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 25-May-24

Reference Number : EQNX:001:LAB:A:24:05:05038 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 15-May-24
Sampling Location	: GT-1	Date of Receipt	: 18-May-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 18-May-24
		Date of End of Analysis	: 24-May-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.063	< 15	OSHA

*OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.


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EQUINOX TEST REPORT

Report Issue Date : 25-May-24

ULR - TC682024000031717F

Reference Number : EQNX:001:LAB:A:24:05:05042 A

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-2
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 15-May-24
Date of Receipt : 18-May-24
Date of Start of Analysis : 18-May-24
Date of End of Analysis : 24-May-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.5	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
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EQUINOX TEST REPORT

Report Issue Date : 25-May-24

Reference Number : EQNX.001:LAB:A:24:05:05042 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 15-May-24
Sampling Location	: GT-2	Date of Receipt	: 18-May-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 18-May-24
		Date of End of Analysis	: 24-May-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.067	< 15	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.


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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:05:05040 A

Report Issue Date : 25-May-24

ULR - TC682024000031715F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-5
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 15-May-24
Date of Receipt : 18-May-24
Date of Start of Analysis : 18-May-24
Date of End of Analysis : 24-May-24

RESULTS OF ANALYSIS

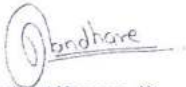
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.58	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



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EQUINOX TEST REPORT

Report Issue Date : 25-May-24

Reference Number : EQNX.001:LAB:A:24:05:05040 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 15-May-24
Sampling Location	: GT-5	Date of Receipt	: 18-May-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 18-May-24
		Date of End of Analysis	: 24-May-24

RESULTS OF ANALYSIS


Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.059	< 15	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



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Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:06:04752 A

Report Issue Date : 21-Jun-24

ULR - TC682024000038947F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-1
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 14-Jun-24
Date of Receipt : 15-Jun-24
Date of Start of Analysis : 15-Jun-24
Date of End of Analysis : 20-Jun-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.52	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.005	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 21-Jun-24

Reference Number : EQNX:001:LAB:A:24:06:04752 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 14-Jun-24
Sampling Location	: GT-1	Date of Receipt	: 15-Jun-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 15-Jun-24
		Date of End of Analysis	: 20-Jun-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.060	< 15	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:06:04753 A

Report Issue Date : 21-Jun-24

ULR - TC682024000038948F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-2
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 14-Jun-24
Date of Receipt : 15-Jun-24
Date of Start of Analysis : 15-Jun-24
Date of End of Analysis : 20-Jun-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.61	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

*OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 21-Jun-24

Reference Number : EQNX:001:LAB:A:24:06:04753 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 14-Jun-24
Sampling Location	: GT-2	Date of Receipt	: 15-Jun-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 15-Jun-24
		Date of End of Analysis	: 20-Jun-24

RESULTS OF ANALYSIS


Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.056	< 15	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:06:04755 A

Report Issue Date : 21-Jun-24

ULR - TC682024000038949F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-5
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 14-Jun-24
Date of Receipt : 15-Jun-24
Date of Start of Analysis : 15-Jun-24
Date of End of Analysis : 20-Jun-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.49	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.07	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 21-Jun-24

Reference Number : EQNX:001:LAB:A:24:06:04755 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 14-Jun-24
Sampling Location	: GT-5	Date of Receipt	: 15-Jun-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 15-Jun-24
		Date of End of Analysis	: 20-Jun-24

RESULTS OF ANALYSIS

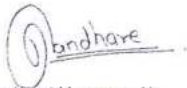
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.055	< 15	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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+91 22 50647422

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:08:00472 A

Report Issue Date : 9-Aug-24

ULR - TC682024000053856F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Parvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-1
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 31-Jul-24
Date of Receipt : 2-Aug-24
Date of Start of Analysis : 2-Aug-24
Date of End of Analysis : 7-Aug-24

RESULTS OF ANALYSIS


Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.53	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 9-Aug-24

Reference Number : EQNX:001:LAB:A:24:08:00472 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Parvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 31-Jul-24
Sampling Location	: GT-1	Date of Receipt	: 2-Aug-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Aug-24
		Date of End of Analysis	: 7-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.059	< 15	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:08:00473 A

Report Issue Date : 9-Aug-24

ULR - TC682024000053857F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-2
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 31-Jul-24
Date of Receipt : 2-Aug-24
Date of Start of Analysis : 2-Aug-24
Date of End of Analysis : 7-Aug-24

RESULTS OF ANALYSIS


Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.52	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820

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EQUINOX TEST REPORT

Report Issue Date : 9-Aug-24

Reference Number : EQNX:001:LAB:A:24:08:00473 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 31-Jul-24
Sampling Location	: GT-2	Date of Receipt	: 2-Aug-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Aug-24
		Date of End of Analysis	: 7-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.060	< 15	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB-A:24:08:00474 A

Report Issue Date : 9-Aug-24

ULR - TC682024000053858F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-5
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 31-Jul-24
Date of Receipt : 2-Aug-24
Date of Start of Analysis : 2-Aug-24
Date of End of Analysis : 7-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.45	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.

Atul Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-8820



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EQUINOX TEST REPORT

Report Issue Date : 9-Aug-24

Reference Number : EQNX:001:LAB:A:24:08:00474 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Parvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 31-Jul-24
Sampling Location	: GT-5	Date of Receipt	: 2-Aug-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Aug-24
		Date of End of Analysis	: 7-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.057	< 15	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB-A:24:08:06978 A

Report Issue Date : 29-Aug-24

ULR - TC682024000060075F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-1
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 23-Aug-24
Date of Receipt : 23-Aug-24
Date of Start of Analysis : 23-Aug-24
Date of End of Analysis : 28-Aug-24

RESULTS OF ANALYSIS

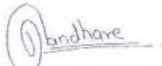
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	0.029	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.47	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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EQUINOX TEST REPORT

Report Issue Date : 29-Aug-24

Reference Number : EQNX:001:LAB:A:24:08:06978 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 23-Aug-24
Sampling Location	: GT-1	Date of Receipt	: 23-Aug-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 23-Aug-24
		Date of End of Analysis	: 28-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.053	< 15	OSHA

*OSHA-Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:08:06979 A

Report Issue Date : 29-Aug-24

ULR - TC682024000060076F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-2
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 23-Aug-24
Date of Receipt : 23-Aug-24
Date of Start of Analysis : 23-Aug-24
Date of End of Analysis : 28-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.50	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

*OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare




Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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EQUINOX TEST REPORT

Report Issue Date : 29-Aug-24

Reference Number : EQNX:001:LAB:A:24:08:06979 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 23-Aug-24
Sampling Location	: GT-2	Date of Receipt	: 23-Aug-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 23-Aug-24
		Date of End of Analysis	: 28-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.054	< 15	OSHA

*OSHA-Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:08:06979 A

Report Issue Date : 29-Aug-24

ULR - TC682024000060077F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-5
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 23-Aug-24
Date of Receipt : 23-Aug-24
Date of Start of Analysis : 23-Aug-24
Date of End of Analysis : 28-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution


Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.46	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.12	< 5	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare




Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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EQUINOX TEST REPORT

Report Issue Date : 29-Aug-24

Reference Number : EQNX:001:LAB-A:24:08:06979 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 23-Aug-24
Sampling Location	: GT-5	Date of Receipt	: 23-Aug-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 23-Aug-24
		Date of End of Analysis	: 28-Aug-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.055	< 15	OSHA

*OSHA-Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:09:03229 A

Report Issue Date : 18-Sep-24

ULR - TC682024000064653F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : GT-2
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 11-Sep-24
Date of Receipt : 12-Sep-24
Date of Start of Analysis : 13-Sep-24
Date of End of Analysis : 17-Sep-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Carbon Monoxide	mg/m ³	SOP-ENV-04-02	0.57	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



Technical Manager - Instrumentation
(Authorised Signatory)
Mr. Sachin Tambe

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EQUINOX TEST REPORT

Report Issue Date : 18-Sep-24

Reference Number : EQNX:001:LAB:A:24:09:03229 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/S Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos K-1 Part - 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal Panvel, Dist Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 11-Sep-24
Sampling Location	: GT-2	Date of Receipt	: 12-Sep-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 13-Sep-24
		Date of End of Analysis	: 17-Sep-24

RESULTS OF ANALYSIS

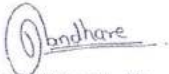
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Suspended Particulate Matter (SPM)	mg/m ³	NIOSH 500	0.050	< 15	OSHA

*OSHA-Occupational Safety and Health Administration.

Remark : The above tested parameters is found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00386 A

Report Issue Date : 8-Jul-24

ULR - TC682024000045009F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Parvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : Tanker Filling Area
Sample Description : Workplace Air Quality Monitoring
Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Ammonia	ppm	SOP-ENV-12-02	<0.003	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 8-Jul-24

Reference Number : EQNX.001:LAB:A:24:07:00386 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 26-Jun-24
Sampling Location	: Tanker Filling Area	Date of Receipt	: 2-Jul-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Jul-24
		Date of End of Analysis	: 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Total Dust	mg/m ³	NIOSH 500	0.42	< 15	OSHA
2	Ethylbenzene	ppm	ISO 16000-6	< 0.023	< 100	OSHA
3	Toluene	ppm	ISO 16000-6	<0.0026	< 200	OSHA
4	Styrene	ppm	ISO 16000-6	<0.0023	< 100	OSHA
5	Methane	ppm	SOP-ENV-15-02	Not Detected	< 100	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00385 A

Report Issue Date : 8-Jul-24

ULR - TC682024000045008F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 26-Jun-24
Sampling Location	: RGP FEEB Pump	Date of Receipt	: 2-Jul-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Jul-24
		Date of End of Analysis	: 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0025	< 5	OSHA
2	Ammonia	ppm	SOP-ENV-12-02	0.28	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	0.033	< 5	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 8-Jul-24

Reference Number : EQNX:001:LAB:A:24:07:00385 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 26-Jun-24
Sampling Location	: RGP FEED Pump	Date of Receipt	: 2-Jul-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Jul-24
		Date of End of Analysis	: 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Total Dust	mg/m ³	NIOSH 500	0.31	< 15	OSHA
2	Ethylbenzene	ppm	ISO 16000-6	< 0.023	< 100	OSHA
3	Toluene	ppm	ISO 16000-6	<0.0026	< 200	OSHA
4	Styrene	ppm	ISO 16000-6	<0.0023	< 100	OSHA
5	Methane	ppm	SOP-ENV-15-02	Not Detected	< 100	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00390 A

Report Issue Date : 8-Jul-24

ULR - TC682024000045013F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 26-Jun-24
Sampling Location	: IPA Storage Tank	Date of Receipt	: 2-Jul-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Jul-24
		Date of End of Analysis	: 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Ammonia	ppm	SOP-ENV-12-02	<0.003	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 8-Jul-24

Reference Number : EQNX:001:LAB:A:24:07:00390 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol	: SOP-ENV-02-01	Date of Sampling	: 26-Jun-24
Sampling Location	: IPA Storage Tank	Date of Receipt	: 2-Jul-24
Sample Description	: Workplace Air Quality Monitoring	Date of Start of Analysis	: 2-Jul-24
		Date of End of Analysis	: 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Total Dust	mg/m ³	NIOSH 500	0.29	< 15	OSHA
2	Ethylbenzene	ppm	ISO 16000-6	< 0.023	< 100	OSHA
3	Toluene	ppm	ISO 16000-6	<0.0026	< 200	OSHA
4	Styrene	ppm	ISO 16000-6	<0.0023	< 100	OSHA
5	Methane	ppm	SOP-ENV-15-02	Not Detected	< 100	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00389 A

Report Issue Date : 8-Jul-24

ULR - TC682024000045012F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : Methanol Storage Tank
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

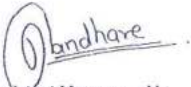
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Ammonia	ppm	SOP-ENV-12-02	<0.003	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Report Issue Date : 8-Jul-24

Reference Number : EQNX:001:LAB:A:24:07:00389 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : Methanol Storage Tank
Sample Description : Workplace Air Quality Monitoring
Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Total Dust	mg/m ³	NIOSH 500	0.37	< 15	OSHA
2	Ethylbenzene	ppm	ISO 16000-6	< 0.023	< 100	OSHA
3	Toluene	ppm	ISO 16000-6	<0.0026	< 200	OSHA
4	Styrene	ppm	ISO 16000-6	<0.0023	< 100	OSHA
5	Methane	ppm	SOP-ENV-15-02	Not Detected	< 100	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00388 A

Report Issue Date : 8-Jul-24

ULR - TC682024000045011F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : T 4704 B Diye Day Tank
Sample Description : Workplace Air Quality Monitoring
Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Ammonia	ppm	SOP-ENV-12-02	<0.003	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

* OSHA - Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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EQUINOX TEST REPORT

Report Issue Date : 8-Jul-24

Reference Number : EQNX:001:LAB:A:24:07:00388 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : T 4704 B Diye Day Tank
Sample Description : Workplace Air Quality Monitoring
Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Total Dust	mg/m ³	NIOSH 500	0.34	< 15	OSHA
2	Ethylbenzene	ppm	ISO 16000-6	< 0.023	< 100	OSHA
3	Toluene	ppm	ISO 16000-6	<0.0026	< 200	OSHA
4	Styrene	ppm	ISO 16000-6	<0.0023	< 100	OSHA
5	Methane	ppm	SOP-ENV-15-02	Not Detected	< 100	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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****END OF REPORT****

Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:A:24:07:00387 A

Report Issue Date : 8-Jul-24

ULR - TC682024000045010F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : IPA Oprater Cabin
Sample Description : Workplace Air Quality Monitoring

Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

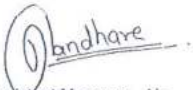
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Sulphur Dioxide	ppm	SOP-ENV-13-02	<0.0023	< 5	OSHA
2	Ammonia	ppm	SOP-ENV-12-02	<0.003	< 50	OSHA
3	Nitrogen Dioxide	ppm	SOP-ENV-07-02	<0.0020	< 5	OSHA

*OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.



Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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EQUINOX TEST REPORT

Report Issue Date : 8-Jul-24

Reference Number : EQNX:001:LAB:A:24:07:00387 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilisers and Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-02-01
Sampling Location : IPA Oprater Cabin
Sample Description : Workplace Air Quality Monitoring
Date of Sampling : 26-Jun-24
Date of Receipt : 2-Jul-24
Date of Start of Analysis : 2-Jul-24
Date of End of Analysis : 6-Jul-24

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Parameters	Units	Method	Result	Specified Limits	Standards*
1	Total Dust	mg/m ³	NIOSH 500	0.27	< 15	OSHA
2	Ethylbenzene	ppm	ISO 16000-6	< 0.023	< 100	OSHA
3	Toluene	ppm	ISO 16000-6	<0.0026	< 200	OSHA
4	Styrene	ppm	ISO 16000-6	<0.0023	< 100	OSHA
5	Methane	ppm	SOP-ENV-15-02	Not Detected	< 100	OSHA

* OSHA -Occupational Safety and Health Administration.

Remark : All the parameters are found within limits.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Environment Monitoring FY 2024-25

I. Effluent (By MOEF&CC approved Lab) :

Parameters/ Months	Limit	UOM	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Average
pH	6.5 To 8.5	--	7.4	7.9	6.9	8.4	7.0	7.2	7.48
COD	250	mg/lit	36.1	60.8	64.0	89.3	24.6	44.7	53.25
BOD 3 days 27°C	100	mg/lit	11.0	18.8	20.6	27.3	8.0	13.6	16.55
Total Suspended Solids	100	mg/lit	32.0	42.0	28.0	10.0	26.0	12.0	25.00
TDS	2100	mg/lit	1870.0	1980.0	2020.0	1390.0	780.0	1920.0	1660.00
Oil & Grease	10	mg/lit	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dissolved Phosphate as P	5	mg/lit	2.3	4.4	4.6	4.8	2.4	4.7	3.87
Ammonical Nitrogen as N	50	mg/lit	3.0	7.2	36.4	3.8	11.3	43.0	17.45
Free Ammonical Nitrogen as N	4	mg/lit	1.7	3.3	3.2	3.4	3.8	3.8	3.20
Nitrate Nitrogen as N	20	mg/lit	17.7	18.4	5.7	4.3	19.7	17.0	13.80
Fluoride as F	10	mg/lit	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Kjeldhal Nitrogen (TKN) as N	75	mg/lit	4.4	4.3	5.5	9.1	5.5	22.0	8.47

EQUINOX TEST REPORT

Report Issue date: 26-Apr-24

Reference Number : EQNX:001:LAB: W:24:04:04749 A

ULR-TC682024000035591F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited

Sampling Location : Ground Floor, ETP Plant

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad

Sample Description : ETP Outlet Water

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-01-01

Date of Sampling : 19-Apr-24

Date of Receipt : 20-Apr-24

Sample Drawn By : Equinox Labs - Jitendra Kacheshwar Ahire

Date of Start of Analysis : 20-Apr-24

Sample Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

Date of End of Analysis : 25-Apr-24

RESULTS OF ANALYSIS

Discipline: Chemical

Group: Pollution and Environment

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	pH-Value	-	IS 3025 : Part 11 : 2022	7.43	6.5 to 8.5
2	Total Dissolved Solids	mg / l	IS 3025 : Part 16 : 2023	1870.0	Max 2100
3	Chemical Oxygen Demand	mg / l	IS 3025 : Part 58 : 2006	36.1	Max 250
4	Biochemical oxygen demand (3 days at 27°C)	mg / l	IS 3025 : Part 44 : 2023	11.0	Max 100
5	Oil & Grease	mg / l	IS 3025 : Part 39 : 2021	<4.0	Max 10
6	Total Suspended Solids	mg / l	IS 3025 : Part 17 : 2022	32.0	Max 100
7	Nitrate Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff.2019	17.7	Max 20
8	Fluoride as F	mg / l	IS:3025(Part60)-2008 Reaff.2019	<0.1	Max 10
9	Residual Free Chlorine	mg / l	IS:3025(Part26) : 2021	<0.05	Not Specified
10	Cyanide as CN	mg / l	IS:3025(Part27)-Sec 1 : 2021	<0.01	Not Specified
11	Phenol	mg / l	IS 3025 Part 43 : Sec I : 2022	<0.001	Not Specified
12	Phosphorus	mg / l	IS 3025 Part 31 : 1988	0.2	Not Specified



TC-6820

Page 1 of 3

Your Testing and Auditing Partner

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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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Reference Number : EQNX:001:LAB: W:24:04:04749 A

ULR-TC682024000035591F

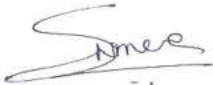
Group: Residue and Contamination in Water

Heavy Metals :

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Arsenic	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
2	Cadmium as Cd	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
3	Chromium as Cr	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
4	Copper	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
5	Iron as Fe	mg / l	SOP-CHM-27-01 PART B 2022	<0.1	Not Specified
6	Lead as Pb	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
7	Nickel as Ni	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
8	Zinc as Zn	mg / l	SOP-CHM-27-01 PART B 2022	<1.0	Not Specified

*Limits as per Environment Protection Rules 1986 Schedule VI

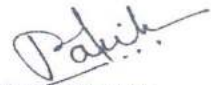
Remark: The samples Conform to the Environment Protection Rules 1986 Schedule VI Guidelines for the parameters tested.



Sr. Chemist
(Authorised Signatory)
Ms. Sharayu More



TC-6820

Quality Manager
(Authorised Signatory)
Mrs Manisha Kharade

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****END OF REPORT****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue date: 26-Apr-24

Reference Number : EQNX:001:LAB: W:24:04:04749 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited Sampling Location : Ground Floor, ETP Plant
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad Sample Description : ETP Outlet Water
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-01-01 Date of Sampling : 19-Apr-24
Date of Receipt : 20-Apr-24
Sample Drawn By : Equinox Labs - Jitendra Kacheshwar Ahire Date of Start of Analysis : 20-Apr-24
Sample Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks. Date of End of Analysis : 25-Apr-24

RESULTS OF ANALYSIS

Discipline: Chemical

Group: Pollution and Environment

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Temperature	°C	IS 3025 Part 9 : 1984	26.0	Not Specified
2	Free Ammoniacal Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff.2019	1.7	Max 4
3	Dissolved Phosphate	mg / l	IS 3025 : Part - 31 : 1988	2.3	Max 5
4	Total Kjeldahl Nitrogen	mg / l	IS 3025 : Part - 34 : 1988	4.4	Max 75
5	Free Cyanide	mg / l	IS 3025 : Part - 27 :Sec I : 2021	<0.01	Not Specified
6	Total Ammonical Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff. 2019	3.0	Max 50

Group: Residue and Contamination in Water

Heavy Metals :

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Vanadium	mg / l	By ICP - OES	<0.1	Not Specified

*Limits as per Environment Protection Rules 1986 Schedule VI

Remark: The samples Conform to the Environment Protection Rules 1986 Schedule VI Guidelines for the parameters tested.

Sr. Chemist
(Authorised Signatory)
Ms. Sharayu More



Quality Manager
(Authorised Signatory)
Mrs Manisha Kharade

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Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue date: 16-May-24

Reference Number : EQNX:001:LAB: W:24:05:02884 A

ULR - TC682024000028819F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited

Sampling Location : Ground Floor, ETP Plant

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad

Sample Description : ETP Outlet (V-Notch)

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-01-01

Date of Sampling : 8-May-24

Date of Receipt : 11-May-24

Sample Drawn By : Equinox Labs - Haridas Madhukar Kahandole

Date of Start of Analysis : 11-May-24

Sample Quantity & Condition : 1 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

Date of End of Analysis : 16-May-24

RESULTS OF ANALYSIS

Discipline: Chemical

Group: Pollution and Environment

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	pH-Value	-	IS 3025 : Part 11 : 2022	7.92	6.5 to 8.5
2	Total Dissolved Solids	mg / l	IS 3025 : Part 16 : 2023	1980.0	Max 2100
3	Chemical Oxygen Demand	mg / l	IS 3025 : Part 58 : 2006	60.8	Max 250
4	Biochemical oxygen demand (3 days at 27°C)	mg / l	IS 3025 : Part 44 : 2023	18.8	Max 100
5	Oil & Grease	mg / l	IS 3025 : Part 39 : 2021	<4.0	Max 10
6	Total Suspended Solids	mg / l	IS 3025 : Part 17 : 2022	42.0	Max 100
7	Nitrate Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff.2019	18.4	Max 20
8	Fluoride as F	mg / l	IS:3025(Part60)-2008 Reaff.2019	<0.1	Max 10
9	Residual Free Chlorine	mg / l	IS:3025(Part26) : 2021	<0.05	Not Specified
10	Cyanide as CN	mg / l	IS:3025(Part27)-Sec 1 : 2021	<0.01	Not Specified
11	Phenol	mg / l	IS 3025 Part 43 : Sec I : 2022	<0.001	Not Specified
12	Phosphorus	mg / l	IS 3025 Part 31 : 1988	0.9	Not Specified



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Reference Number : EQNX:001:LAB: W:24:05:02884 A

ULR - TC682024000028819F

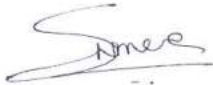
Group: Residue and Contamination in Water

Heavy Metals :

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Arsenic	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
2	Cadmium as Cd	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
3	Chromium as Cr	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
4	Copper	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
5	Iron as Fe	mg / l	SOP-CHM-27-01 PART B 2022	<0.1	Not Specified
6	Lead as Pb	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
7	Nickel as Ni	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
8	Zinc as Zn	mg / l	SOP-CHM-27-01 PART B 2022	<1.0	Not Specified

*Limits as per Environment Protection Rules 1986 Schedule VI

Remark: The samples Conform to the Environment Protection Rules 1986 Schedule VI Guidelines for the parameters tested.



Sr. Chemist
(Authorised Signatory)
Ms. Sharayu More



TC-6820




Quality Manager
(Authorised Signatory)
Mrs Manisha Kharade

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Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue date: 16-May-24

Reference Number : EQNX:001:LAB: W:24:05:02884 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited Sampling Location : Ground Floor, ETP Plant
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad Sample Description : ETP Outlet (V-Notch)
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-01-01 Date of Sampling : 8-May-24
Date of Receipt : 11-May-24
Sample Drawn By : Equinox Labs - Haridas Madhukar Kahandole Date of Start of Analysis : 11-May-24
Sample Quantity & Condition : 1 Ltr. water in a white HDPE bottle is intact without any leaks or breaks. Date of End of Analysis : 16-May-24

RESULTS OF ANALYSIS

Discipline: Chemical

Group: Pollution and Environment

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Temperature	°C	IS 3025 Part 9 : 1984	26.0	Not Specified
2	Free Ammoniacal Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff.2019	3.3	Max 4
3	Dissolved Phosphate	mg / l	IS 3025 : Part - 31 : 1988	4.4	Max 5
4	Total Kjeldahl Nitrogen	mg / l	IS 3025 : Part - 34 : 1988	4.3	Max 75
5	Free Cyanide	mg / l	IS 3025 : Part - 27 :Sec I : 2021	<0.01	Not Specified
6	Total Ammonical Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff. 2019	7.2	Max 50

Group: Residue and Contamination in Water

Heavy Metals :

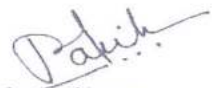
Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Vanadium	mg / l	By ICP - OES	<0.1	Not Specified

*Limits as per Environment Protection Rules 1986 Schedule VI

Remark: The samples Conform to the Environment Protection Rules 1986 Schedule VI Guidelines for the parameters tested.



Sr. Chemist
(Authorised Signatory)
Ms. Sharayu More

Quality Manager
(Authorised Signatory)
Mrs Manisha Kharade

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Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue date: 4-Jul-24

Reference Number : EQNX:001:LAB: W:24:06:09325 A

ULR - TC682024000044087F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited

Sampling Location : Ground Floor, ETP Plant

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad

Sample Description : ETP Outlet Water

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-01-02

Date of Sampling : 26-Jun-24

Date of Receipt : 27-Jun-24

Sample Drawn By : Equinox Labs - Jitendra Kacheshwar Ahire

Date of Start of Analysis : 27-Jun-24

Sample Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

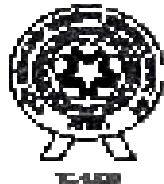
Date of End of Analysis : 2-Jul-24

RESULTS OF ANALYSIS

Discipline: Chemical

Group: Pollution and Environment

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	pH-Value	-	IS 3025 : Part 11 : 2022	6.94	6.5 to 8.5
2	Total Dissolved Solids	mg / l	IS 3025 : Part 16 : 2023	2020.0	Max 2100
3	Chemical Oxygen Demand	mg / l	IS 3025 : Part 58 : 2006	64	Max 250
4	Biochemical oxygen demand (3 days at 27°C)	mg / l	IS 3025 : Part 44 : 2023	20.6	Max 100
5	Oil & Grease	mg / l	IS 3025 : Part 39 : 2021	<4.0	Max 10
6	Total Suspended Solids	mg / l	IS 3025 : Part 17 : 2022	28.0	Max 100
7	Nitrate Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff.2019	5.7	Max 20
8	Fluoride as F	mg / l	IS:3025(Part60)-2008 Reaff.2019	<0.1	Max 10
9	Residual Free Chlorine	mg / l	IS:3025(Part26) : 2021	<0.05	Not Specified
10	Cyanide as CN	mg / l	IS:3025(Part27)-Sec 1 : 2021	<0.01	Not Specified
11	Phenol	mg / l	IS 3025 Part 43 : Sec I : 2022	<0.001	Not Specified
12	Phosphorus	mg / l	IS 3025 Part 31 : 1988	7.7	Not Specified



Your Testing and Auditing Partner

Reference Number : EQNX:001:LAB: W:24:06:09325 A

ULR - TC682024000044087F

Group: Residue and Contamination in Water

Heavy Metals :

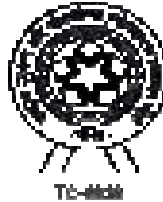
Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Arsenic	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
2	Cadmium as Cd	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
3	Chromium as Cr	mg / l	SOP-CHM-27-01 PART B 2022	<0.001	Not Specified
4	Copper	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
5	Iron as Fe	mg / l	SOP-CHM-27-01 PART B 2022	0.17	Not Specified
6	Lead as Pb	mg / l	SOP-CHM-27-01 PART B 2022	<0.01	Not Specified
7	Nickel as Ni	mg / l	SOP-CHM-27-01 PART B 2022	0.015	Not Specified
8	Zinc as Zn	mg / l	SOP-CHM-27-01 PART B 2022	<1.0	Not Specified

*Limits as per CTO.

Remark: The samples conforms for the parameters tested.



Sr. Chemist
(Authorised Signatory)
Ms. Sharayu More




Quality Manager
(Authorised Signatory)
Mrs Manisha Kharade

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****END OF REPORT****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue date: 4-Jul-24

Reference Number : EQNX:001:LAB: W:24:06:09325 B

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Smartchem Technologies Limited Sampling Location : Ground Floor, ETP Plant

Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2), MIDC Taloja, Tal. Panvel, Dist. Raigad Sample Description : ETP Outlet Water

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-01-02 Date of Sampling : 26-Jun-24

Date of Receipt : 27-Jun-24

Sample Drawn By : Equinox Labs - Jitendra Kacheshwar Ahire Date of Start of Analysis : 27-Jun-24

Sample Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks. Date of End of Analysis : 2-Jul-24

RESULTS OF ANALYSIS

Discipline: Chemical

Group: Pollution and Environment

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Temperature	°C	IS 3025 Part 9 : 1984	26.0	Not Specified
2	Free Ammoniacal Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff.2019	3.2	Max 4
3	Dissolved Phosphate	mg / l	IS 3025 : Part - 31 : 1988	4.6	Max 5
4	Total Kjeldahl Nitrogen	mg / l	IS 3025 : Part - 34 : 1988	5.5	Max 75
5	Free Cyanide	mg / l	IS 3025 : Part - 27 :Sec I : 2021	<0.01	Not Specified
6	Total Ammonical Nitrogen	mg / l	IS:3025(Part34)-1988 Reaff. 2019	36.4	Max 50

Group: Residue and Contamination in Water

Heavy Metals :

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Limits*
1	Vanadium	mg / l	By ICP - OES	<0.1	Not Specified

*Limits as per CTO.

Remark: The samples conforms for the parameters tested.



Sr. Chemist
(Authorised Signatory)
Ms. Sharayu More



Quality Manager
(Authorised Signatory)
Mrs Manisha Kharade

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*****END OF REPORT*****

Your Testing and Auditing Partner

TEST REPORT

ULR-TC682024000047156F

Report Issue Date : 18-Jul-2024

Report Number : 001:EW:24:07:02484

Reference Number : EQNX:001:EW:24:07:02484/A



NABL Scope



TC-0923

Information Provided by Customer

Client Name : Smartchem Technologies Limited
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2),
MIDC Taloja, Tal. Panvel, Dist.
RaigarH,410208,Taloja,Maharashtra,India-
410208
Sampling Location : ETP Plant
Sample Type : Waste Water & Effluent
Sample Description : ETP Outlet
Contact Person : Madan Popeta

Particulars of Sample Analysed

Sampling Protocol : SOP-ENV-01-02
Sample Drawn by : Equinox Labs - Vishnu Rajguru

Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

Date of Sampling	Date of Receipt	Start Date of Analysis	End Date of Analysis
08-Jul-2024	09-Jul-2024	09-Jul-2024	13-Jul-2024

----- Result of Analysis -----

Discipline : Chemical Group : Pollution and Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Residual Free Chlorine	mg/l	IS 3025 (Part 26)	<0.05	Not Specified
2	pH - Value at 25°C	-	IS 3025 (Part 11)	8.4	6.5-8.5
3	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58)	89.3	Max 250
4	Nitrate Nitrogen	mg/l	IS 3025 (Part 34)	4.3	Max 20
5	Oil & Grease	mg/l	IS 3025 (Part 39)	<4.0	Max 10.0
6	Total Dissolved Solids at 180°C	mg/l	IS 3025 (Part 16)	1390.0	Max 2100
7	Total Suspended Solids	mg/l	IS 3025 (Part 17)	<1.0	Max 100
8	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	IS 3025 (Part 44)	27.3	Max 100
9	Cyanide as CN	mg/l	IS 3025 (Part 27) Section 1	<0.01	Not Specified

TEST REPORT

ULR-TC682024000047156F

Report Issue Date : 18-Jul-2024

Report Number : 001:EW:24:07:02484

Reference Number : EQNX:001:EW:24:07:02484/A



NABL Scope



TC-0923

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
10	Total Kjeldahl Nitrogen	mg/l	IS 3025 (Part 34)	9.1	Max 75
11	Phosphorous	mg/l	IS 3025 (Part 31)	1.6	Not Specified

Discipline : Chemical Group : Pollution and Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Arsenic as As	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
2	Cadmium as Cd	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
3	Chromium as Cr	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
4	Lead as Pb	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
5	Nickel as Ni	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
6	Zinc as Zn	mg/l	SOP-CHM-27-01 (Part B)	< 1.0	Not Specified

Comment : *Limits as per CTO

Remark : The sample conforms to the limits for the parameters tested.

Mrs. Manisha Kharade
Quality Manager
(Authorised Signatory)

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----- End Of Report -----

TEST REPORT

Report Issue Date : 18-Jul-2024
Report Number : 001:EW:24:07:02484
Reference Number :EQNX:001:EW:24:07:02484/B

Information Provided by Customer

Client Name : Smartchem Technologies Limited
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2),
MIDC Taloja, Tal. Panvel, Dist.
RaigarH,410208,Taloja,Maharashtra,India-
410208
Sampling Location : ETP Plant
Sample Type : Waste Water & Effluent
Sample Description : ETP Outlet
Contact Person : Madan Popeta

Particulars of Sample Analysed

Sampling Protocol : SOP-ENV-01-02
Sample Drawn by : Equinox Labs - Vishnu Rajguru
Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

Date of Sampling	Date of Receipt	Start Date of Analysis	End Date of Analysis
08-Jul-2024	09-Jul-2024	09-Jul-2024	13-Jul-2024

----- Result of Analysis -----

Discipline : Chemical Group : Pollution and Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Fluoride as F	mg/l	IS 3025 (Part 60)	<0.1	Max 10
2	Total Ammonical Nitrogen	mg/l	IS 3025 (Part 34)	3.8	Max 4
3	Dissolved Phosphate	mg/l	IS 3025 (Part 31)	4.8	Max 5
4	Free Ammoniacal Nitrogen	mg/l	IS 3025 (Part 34)	3.4	Max 4
5	Temperature	°C	IS 3025 (Part 9)	26.0	Not Specified
6	Free Cyanide	mg/l	IS 3025 (Part 27) Section 1	<0.01	Not Specified
7	Phenol	mg/l	IS 3025 (Part 43) Section 1	<0.001	Not Specified

Discipline : Chemical Group : Pollution and Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Copper	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
2	Iron as Fe	ppb	SOP-CHM-27-01 (Part B)	< 0.1	Not Specified

TEST REPORT

Report Issue Date : 18-Jul-2024
Report Number : 001:EW:24:07:02484
Reference Number :EQNX:001:EW:24:07:02484/B

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
3	Vanadium	mg/l	SOP-CHM-27-01 (Part B)	< 0.1	Not Specified

Comment : *Limits as per CTO

Remark : The sample conforms to the limits for the parameters tested.



Quality Manager
(Authorised Signatory)
Mrs. Manisha Kharade

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TEST REPORT

ULR-TC682024000056117F
Report Issue Date : 28-Sep-2024
Report Number : 001:EW:24:08:02796
Reference Number : EQNX:001:EW:24:08:02796/A



NABL Scope



TC-6820

Information Provided by Customer

Client Name : Smartchem Technologies Limited
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2),
MIDC Taloja, Tal. Panvel, Dist.
RaigarH,410208,Taloja,Maharashtra,India-
410208
Sampling Location : ETP Plant
Sample Sub Group : Waste Water & Effluent

Contact Person : Madan Popeta
Sample Name : ETP Outlet Water

Particulars of Sample Analysed

Sampling Protocol : SOP-ENV-01-02
Sample Drawn by : Equinox Labs - Vishnu Rajguru
Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

Date of Sampling	Date of Receipt	Start Date of Analysis	End Date of Analysis
09-Aug-2024	10-Aug-2024	10-Aug-2024	17-Aug-2024

----- Result of Analysis -----

Discipline : Chemical Group : Pollution & Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Residual Free Chlorine	mg/l	IS 3025 (Part 26)	<0.05	Not Specified
2	pH - Value at 25°C	-	IS 3025 (Part 11)	7.01	6.5-8.5
3	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58)	24.6	Max 250
4	Nitrate Nitrogen	mg/l	IS 3025 (Part 34)	19.7	Max 20
5	Oil & Grease	mg/l	IS 3025 (Part 39)	<4.0	Max 10.0
6	Total Dissolved Solids at 180°C	mg/l	IS 3025 (Part 16)	780.0	Max 2100
7	Total Suspended Solids	mg/l	IS 3025 (Part 17)	26.0	Max 100
8	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	IS 3025 (Part 44)	8.0	Max 100

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Page 1 of 3

Testing Lab Address : Equinox Center, R65,
TTC, Rabale, Navi Mumbai, Maharashtra
400701

TEST REPORT

ULR-TC682024000056117F
Report Issue Date : 28-Sep-2024
Report Number : 001:EW:24:08:02796
Reference Number : EQNX:001:EW:24:08:02796/A



NABL Scope



Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
9	Cyanide as CN	mg/l	IS 3025 (Part 27) Section 1	<0.01	Not Specified
10	Phosphorous	mg/l	IS 3025 (Part 31)	1.3	Not Specified

Discipline : Chemical Group : Water

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Total Kjeldahl Nitrogen	mg/l	IS 3025 (Part 34)	5.5	Max 75

Discipline : Chemical Group : Residue and Contamination in Water

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Arsenic as As	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
2	Cadmium as Cd	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
3	Chromium as Cr	mg/l	SOP-CHM-27-01 (Part B)	0.034	Not Specified
4	Lead as Pb	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
5	Nickel as Ni	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
6	Zinc as Zn	mg/l	SOP-CHM-27-01 (Part B)	1.862	Not Specified

Comment : *Limits as per CTO

Remark : The sample conforms to the limits for the parameters tested.

Dr. Manisha Kharade

Dr. Manisha Kharade
Quality Manager
(Authorised Signatory)



Your Testing and Auditing Partner

Page 2 of 3

Testing Lab Address : Equinox Center, R65,
TTC, Rabale, Navi Mumbai, Maharashtra
400701

TEST REPORT

ULR-TC682024000056117F
Report Issue Date : 28-Sep-2024
Report Number : 001:EW:24:08:02796
Reference Number : EQNX:001:EW:24:08:02796/A



NABL Scope



TC-4820

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Page 3 of 3

Testing Lab Address : Equinox Center, R65,
TTC, Rabale, Navi Mumbai, Maharashtra
400701

TEST REPORT

Report Issue Date : 28-Sep-2024
Report Number : 001:EW:24:08:02796
Reference Number : EQNX:001:EW:24:08:02796/B

Information Provided by Customer

Client Name : Smartchem Technologies Limited
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2),
MIDC Talaja, Tal. Panvel, Dist.
RaigarH,410208,Talaja,Maharashtra,India-
410208
Sampling Location : ETP Plant
Sample Sub Group : Waste Water & Effluent
Sample Name : ETP Outlet Water
Contact Person : Madan Popeta

Particulars of Sample Analysed

Sampling Protocol : SOP-ENV-01-02
Sample Drawn by : Equinox Labs - Vishnu Rajguru
Quantity & Condition : 4 Ltr. water in a white HDPE bottle is intact without any leaks or breaks.

Date of Sampling	Date of Receipt	Start Date of Analysis	End Date of Analysis
09-Aug-2024	10-Aug-2024	10-Aug-2024	17-Aug-2024

----- Result of Analysis -----

Discipline : Chemical Group : Pollution & Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Fluoride as F	mg/l	IS 3025 (Part 60)	<0.1	Max 10
2	Total Ammonical Nitrogen	mg/l	IS 3025 (Part 34)	11.3	Max 50
3	Dissolved Phosphate	mg/l	IS 3025 (Part 31)	2.4	Max 5
4	Free Ammoniacal Nitrogen	mg/l	IS 3025 (Part 34)	3.8	Max 4
5	Temperature	°C	IS 3025 (Part 9)	26.0	Not Specified
6	Free Cyanide	mg/l	IS 3025 (Part 27) Section 1	<0.01	Not Specified
7	Phenol	mg/l	IS 3025 (Part 43) Section 1	<0.001	Not Specified

Discipline : Chemical Group : Residue and Contamination in Water

Your Testing and Auditing Partner

Page 1 of 2

Testing Lab Address : Equinox Center, R65,
TTC, Rabale, Navi Mumbai, Maharashtra
400701

TEST REPORT

Report Issue Date : 28-Sep-2024
Report Number : 001:EW:24:08:02796
Reference Number : EQNX:001:EW:24:08:02796/B

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Copper	mg/l	SOP-CHM-27-01 (Part B)	0.024	Not Specified
2	Iron as Fe	ppb	SOP-CHM-27-01 (Part B)	0.37	Not Specified
3	Vanadium	mg/l	SOP-CHM-27-01 (Part B)	0.1	Not Specified

Comment : *Limits as per CTO

Remark : The sample conforms to the limits for the parameters tested.



Quality Manager
(Authorised Signatory)
Dr. Manisha Kharade



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TEST REPORT

ULR-TC682024000065145F
Report Issue Date : 27-Sep-2024
Report Number : 001:EW:24:09:03796
Reference Number : EQNX:001:EW:24:09:03796/A



Information Provided by Customer

Client Name : Smartchem Technologies Limited
Address : Plot Nos. K-1, K-1 (Part-1), K-1 (Part 2),
MIDC Taloja, Tal. Panvel, Dist.
Raigarh, 410208, Taloja, Maharashtra, India-
410208
Sampling Location : ETP Plant
Sample Sub Group : Waste Water & Effluent
Sample Name : ETP Outlet
Contact Person : Madan Popeta

Particulars of Sample Analysed

Sampling Protocol : SOP-ENV-01-02
Sample Drawn by : Equinox Labs - Vishnu Rajguru
Quantity & Condition : 4Ltr of sample in White HDPE Bottle is intact without any leaks .

Date of Sampling	Date of Receipt	Start Date of Analysis	End Date of Analysis
12-Sep-2024	13-Sep-2024	13-Sep-2024	18-Sep-2024

----- Result of Analysis -----

Discipline : Chemical Group : Pollution & Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Residual Free Chlorine	mg/l	IS 3025 (Part 26)	<0.05	Not Specified
2	pH - Value at 25°C	-	IS 3025 (Part 11)	7.15	6.5-8.5
3	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58)	44.7	Max 250
4	Fluoride as F	mg/l	APHA 4500-F-D	<0.1	Max 10
5	Nitrate Nitrogen	mg/l	IS 3025 (Part 34)	17.0	Max 20
6	Oil & Grease	mg/l	IS 3025 (Part 39)	<4.0	Max 10.0
7	Total Dissolved Solids at 180°C	mg/l	IS 3025 (Part 16)	1920	Max 2100
8	Total Suspended Solids	mg/l	IS 3025 (Part 17)	12.0	Max 100

TEST REPORT

ULR-TC682024000065145F

Report Issue Date : 27-Sep-2024

Report Number : 001:EW:24:09:03796

Reference Number : EQNX:001:EW:24:09:03796/A



NABL Scope



TC-0922

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
9	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	IS 3025 (Part 44)	13.6	Max 100
10	Cyanide as CN	mg/l	IS 3025 (Part 27) Section 1	<0.01	Not Specified
11	Phosphorous	mg/l	IS 3025 (Part 31)	14.4	Not Specified

Discipline : Chemical Group : Residue and Contamination in Water

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Arsenic as As	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
2	Cadmium as Cd	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
3	Chromium as Cr	mg/l	SOP-CHM-27-01 (Part B)	< 0.001	Not Specified
4	Lead as Pb	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
5	Nickel as Ni	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
6	Zinc as Zn	mg/l	SOP-CHM-27-01 (Part B)	< 1.0	Not Specified

Comment : *Limits as per CTO

Remark : The sample conforms to the limits for the parameters tested.

Dr. Manisha Kharade
Quality Manager
(Authorised Signatory)

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TEST REPORT

Report Issue Date : 27-Sep-2024
Report Number : 001:EW:24:09:03796
Reference Number : EQNX:001:EW:24:09:03796/B

Information Provided by Customer

Client Name : Smartchem Technologies Limited
Address : Plot Nos. K-1,K-1 (Part-1), K-1 (Part 2),
MIDC Taloja, Tal. Panvel, Dist.
RaigarH,410208,Taloja,Maharashtra,India-
410208
Sampling Location : ETP Plant
Sample Sub Group : Waste Water & Effluent
Sample Name : ETP Outlet
Contact Person : Madan Popeta

Particulars of Sample Analysed

Sampling Protocol : SOP-ENV-01-02
Sample Drawn by : Equinox Labs - Vishnu Rajguru
Quantity & Condition : 4Ltr of sample in White HDPE Bottle is intact without any leaks .

Date of Sampling	Date of Receipt	Start Date of Analysis	End Date of Analysis
12-Sep-2024	13-Sep-2024	13-Sep-2024	18-Sep-2024

----- Result of Analysis -----

Discipline : Chemical Group : Pollution & Environment

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Total Ammonical Nitrogen	mg/l	IS 3025 (Part 34)	43.0	Max 50
2	Dissolved Phosphate	mg/l	IS 3025 (Part 31)	4.7	Max 5
3	Free Ammoniacal Nitrogen	mg/l	IS 3025 (Part 34)	3.8	Max 4
4	Temperature	°C	IS 3025 (Part 9)	26.5	Not Specified
5	Total Kjeldahl Nitrogen	mg/l	IS 3025 (Part 34)	22.0	Max 75
6	Free Cyanide	mg/l	IS 3025 (Part 27) Section 1	<0.01	Not Specified
7	Phenol	mg/l	IS 3025 (Part 43) Section 1	<0.001	Not Specified

Discipline : Chemical Group : Residue and Contamination in Water

TEST REPORT

Report Issue Date : 27-Sep-2024
Report Number : 001:EW:24:09:03796
Reference Number :EQNX:001:EW:24:09:03796/B

Sr.No	Parameters	Units	Methods	Results of Analysis	Limit
1	Copper	mg/l	SOP-CHM-27-01 (Part B)	< 0.01	Not Specified
2	Iron as Fe	ppb	SOP-CHM-27-01 (Part B)	< 0.1	Non Specified
3	Vanadium	mg/l	SOP-CHM-27-01 (Part B)	< 0.1	Not Specified

Comment : *Limits as per CTO

Remark : The sample conforms to the limits for the parameters tested.



Quality Manager
(Authorised Signatory)
Dr. Manisha Kharade



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ANNEXURE: 6

Green Belt statement development

EC Condition 11. (d): The green belt (GB) shall be developed in 31% i.e., 94122 m² of the total project area along the plant periphery and as committed by the project proponent, green belt shall be developed in additionally 2.6 acres' area (i.e., 10,600 m²) adjacent to the plots allotted by the MIDC for green belt development."

Compliance details: Compiled. We have maintained 33% green belt in & around our plant premises.

To meet this requirement with due clearance form MOEFCC EAC we have taken 2.6-acre MIDC plot connected to our premises and used it totally for development of green belts (2% of remaining green belt). Attaching plot acquisition letter of MIDC.

Details Total Plot	Plot area (Sqm)	Total Green belt area (Sqm)	Total Geen Belt (%)	Species	Survival rate
K-1 TO k-5 (Plant site)	3,03,619.4	98,644.32	32.48	Gulmohar,Kadamba, Neem,Karanja,Subabul, Peltophorum,Banyan , Umber,Rain Tree, Bakul,Pimple,Jamun, Mango etc.	95%
OS 16/4 & OS 17/1 (Additional land)	10,600	10,600	3.49		95%
Total	3,14,219	1,09,244.32	35.97		--

PHOTOGRAPHS OF GREEN BELT:

1. Inside Premises:



2. Peripheral Side /Along the Boundary



3. MIDC Plot (OS 16 & 17):



EQUINOX TEST REPORT

Report Issue Date : 3-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20388

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 2-Apr-24 To 3-Apr-24

Samling Location : Near Utility Area Date of Receipt : 3-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	2-Apr-24	14:35	70.3	3-Apr-24	3:35	60.2
2	2-Apr-24	15:35	71.9	3-Apr-24	4:35	58.7
3	2-Apr-24	16:35	70.6	3-Apr-24	5:35	58.4
4	2-Apr-24	17:35	69.3	3-Apr-24	6:35	57.2
5	2-Apr-24	18:35	68.4	3-Apr-24	7:35	59.1
6	2-Apr-24	19:35	68.9	3-Apr-24	8:35	60.8
7	2-Apr-24	20:35	68.5	3-Apr-24	9:35	62.7
8	2-Apr-24	21:35	66.2	3-Apr-24	10:35	65.6
9	2-Apr-24	22:35	64.7	3-Apr-24	11:35	64.8
10	2-Apr-24	23:35	64.1	3-Apr-24	12:35	68.9
11	3-Apr-24	0:35	62.8	3-Apr-24	13:35	70.1
12	3-Apr-24	1:35	62.4			
13	3-Apr-24	2:35	60.3			
		Day Time L _{MAX}	73.3		Night Time L _{MAX}	64.7
		Day Time L _{MIN}	59.1		Night Time L _{MIN}	58.4
Average Day Time Leq dB (A)			67.3	Average Night Time Leq dB (A)		61.4

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

Note :

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****END OF REPORT****

EQUINOX TEST REPORT

Report Issue Date : 3-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20389

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 2-Apr-24 To 3-Apr-24

Samling Location : Near GT-2 Area

Date of Receipt : 3-Apr-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	2-Apr-24	14:25	75.4	3-Apr-24	3:25	62.6
2	2-Apr-24	15:25	78.9	3-Apr-24	4:25	60.5
3	2-Apr-24	16:25	73.1	3-Apr-24	5:25	60.9
4	2-Apr-24	17:25	70.5	3-Apr-24	6:25	63.4
5	2-Apr-24	18:25	71.6	3-Apr-24	7:25	65.9
6	2-Apr-24	19:25	70.1	3-Apr-24	8:25	66.7
7	2-Apr-24	20:25	68.9	3-Apr-24	9:25	70.2
8	2-Apr-24	21:25	68.7	3-Apr-24	10:25	70.8
9	2-Apr-24	22:25	66.4	3-Apr-24	11:25	71.6
10	2-Apr-24	23:25	66.2	3-Apr-24	12:25	71.8
11	3-Apr-24	0:25	63.1	3-Apr-24	13:25	73.1
12	3-Apr-24	1:25	63.8			
13	3-Apr-24	2:25	62.5			
		Day Time L _{MAX}	78.9		Night Time L _{MAX}	66.4
		Day Time L _{MIN}	68.9		Night Time L _{MIN}	60.9
Average Day Time Leq dB (A)			70.7	Average Night Time Leq dB (A)		63.2

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

Note :

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*****END OF REPORT*****

EQUINOX TEST REPORT

Report Issue Date : 9-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20390

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 8-Apr-24 To 9-Apr-24

Samling Location : Near Store Area

Date of Receipt : 9-Apr-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	8-Apr-24	14:50	55.3	9-Apr-24	3:50	54.3
2	8-Apr-24	15:50	56.2	9-Apr-24	4:50	55.1
3	8-Apr-24	16:50	59.1	9-Apr-24	5:50	58.2
4	8-Apr-24	17:50	61.2	9-Apr-24	6:50	51.1
5	8-Apr-24	18:50	63.6	9-Apr-24	7:50	58.8
6	8-Apr-24	19:50	64.7	9-Apr-24	8:50	60.3
7	8-Apr-24	20:50	66.1	9-Apr-24	9:50	61.2
8	8-Apr-24	21:50	63.2	9-Apr-24	10:50	63.6
9	8-Apr-24	22:50	61.1	9-Apr-24	11:50	68.5
10	8-Apr-24	23:50	62.8	9-Apr-24	12:50	63.7
11	9-Apr-24	0:50	60.5	9-Apr-24	13:50	64.5
12	9-Apr-24	1:50	59.8			
13	9-Apr-24	2:50	59.5			
		Day Time L _{MAX}	68.5		Night Time L _{MAX}	62.8
		Day Time L _{MIN}	51.1		Night Time L _{MIN}	54.3
Average Day Time Leq dB (A)			61.3	Average Night Time Leq dB (A)		58.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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5. The information provided by customer can affect the validity of results

****END OF REPORT****

EQUINOX TEST REPORT

Report Issue Date : 9-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20391

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 8-Apr-24 To 9-Apr-24

Samling Location : Near Time Office Area Date of Receipt : 9-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	8-Apr-24	14:45	54.4	9-Apr-24	3:45	53.9
2	8-Apr-24	15:45	56.3	9-Apr-24	4:45	56.5
3	8-Apr-24	16:45	58.5	9-Apr-24	5:45	52.2
4	8-Apr-24	17:45	59.6	9-Apr-24	6:45	51.8
5	8-Apr-24	18:45	61.2	9-Apr-24	7:45	53.5
6	8-Apr-24	19:45	62.3	9-Apr-24	8:45	59.1
7	8-Apr-24	20:45	65.6	9-Apr-24	9:45	60.5
8	8-Apr-24	21:45	63.8	9-Apr-24	10:45	61.5
9	8-Apr-24	22:45	60.5	9-Apr-24	11:45	62.9
10	8-Apr-24	23:45	58.8	9-Apr-24	12:45	62.7
11	9-Apr-24	0:45	57.6	9-Apr-24	13:45	65.4
12	9-Apr-24	1:45	55.4			
13	9-Apr-24	2:45	52.1			
		Day Time L _{MAX}	65.6		Night Time L _{MAX}	60.5
		Day Time L _{MIN}	51.8		Night Time L _{MIN}	52.1
Average Day Time Leq dB (A)			59.9	Average Night Time Leq dB (A)		55.8

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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*****END OF REPORT*****

EQUINOX TEST REPORT

Report Issue Date : 16-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20392

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 15-Apr-24 To 16-Apr-24

Samling Location : Near IPA Gate Date of Receipt : 16-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	15-Apr-24	15:20	58.1	16-Apr-24	4:20	55.4
2	15-Apr-24	16:20	56.3	16-Apr-24	5:20	56.6
3	15-Apr-24	17:20	65.4	16-Apr-24	6:20	54.3
4	15-Apr-24	18:20	61.2	16-Apr-24	7:20	52.8
5	15-Apr-24	19:20	63.4	16-Apr-24	8:20	59.9
6	15-Apr-24	20:20	66.3	16-Apr-24	9:20	60.5
7	15-Apr-24	21:20	65.4	16-Apr-24	10:20	61.9
8	15-Apr-24	22:20	64.7	16-Apr-24	11:20	63.2
9	15-Apr-24	23:20	60.3	16-Apr-24	12:20	65.4
10	16-Apr-24	0:20	61.8	16-Apr-24	13:20	63.2
11	16-Apr-24	1:20	62.9	16-Apr-24	14:20	58.8
12	16-Apr-24	2:20	59.5			
13	16-Apr-24	3:20	58.7			
		Day Time L _{MAX}	66.3		Night Time L _{MAX}	62.9
		Day Time L _{MIN}	52.8		Night Time L _{MIN}	54.3
Average Day Time Leq dB (A)			61.7	Average Night Time Leq dB (A)		58.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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****END OF REPORT****

EQUINOX TEST REPORT

Report Issue Date : 16-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20393

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 15-Apr-24 To 16-Apr-24

Samling Location : Near Methanol Gate Date of Receipt : 16-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	15-Apr-24	14:50	62.7	16-Apr-24	3:50	56.3
2	15-Apr-24	15:50	61.8	16-Apr-24	4:50	58.9
3	15-Apr-24	16:50	63.5	16-Apr-24	5:50	59.5
4	15-Apr-24	17:50	64.6	16-Apr-24	6:50	61.2
5	15-Apr-24	18:50	61.9	16-Apr-24	7:50	62.3
6	15-Apr-24	19:50	66.4	16-Apr-24	8:50	66.8
7	15-Apr-24	20:50	61.9	16-Apr-24	9:50	67.5
8	15-Apr-24	21:50	60.5	16-Apr-24	10:50	68.5
9	15-Apr-24	22:50	62.3	16-Apr-24	11:50	63.9
10	16-Apr-24	23:50	60.5	16-Apr-24	12:50	61.5
11	16-Apr-24	0:50	56.5	16-Apr-24	13:50	63.4
12	16-Apr-24	1:50	55.4			
13	16-Apr-24	2:50	54.6			
		Day Time L _{MAX}	68.5		Night Time L _{MAX}	62.3
		Day Time L _{MIN}	59.5		Night Time L _{MIN}	54.6
Average Day Time Leq dB (A)			63.6	Average Night Time Leq dB (A)		58.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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****END OF REPORT****

EQUINOX TEST REPORT

Report Issue Date : 23-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20394

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 22-Apr-24 To 23-Apr-24

Samling Location : Near WNA III Plant Area Date of Receipt : 23-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	22-Apr-24	12:20	61.1	23-Apr-24	1:20	59.4
2	22-Apr-24	13:20	60.2	23-Apr-24	2:20	56.3
3	22-Apr-24	14:20	62.9	23-Apr-24	3:20	55.6
4	22-Apr-24	15:20	63.8	23-Apr-24	4:20	54.3
5	22-Apr-24	16:20	66.5	23-Apr-24	5:20	59.5
6	22-Apr-24	17:20	65.2	23-Apr-24	6:20	60.3
7	22-Apr-24	18:20	61.9	23-Apr-24	7:20	62.9
8	22-Apr-24	19:20	64.5	23-Apr-24	8:20	63.8
9	22-Apr-24	20:20	65.3	23-Apr-24	9:20	64.6
10	22-Apr-24	21:20	64.8	23-Apr-24	10:20	65.8
11	22-Apr-24	22:20	63.9	23-Apr-24	11:20	66.3
12	22-Apr-24	23:20	61.8			
13	23-Apr-24	0:20	60.3			
		Day Time L _{MAX}	66.5		Night Time L _{MAX}	62.9
		Day Time L _{MIN}	60.2		Night Time L _{MIN}	54.3
Average Day Time Leq dB (A)			63.9	Average Night Time Leq dB (A)		58.5

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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****END OF REPORT****

EQUINOX TEST REPORT

Report Issue Date : 23-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20395

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 22-Apr-24 To 23-Apr-24

Samling Location : Near K-6 Plant Main Gate Date of Receipt : 23-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	22-Apr-24	10:30	70.9	23-Apr-24	23:30	59.9
2	22-Apr-24	11:30	69.8	23-Apr-24	0:30	54.3
3	22-Apr-24	12:30	65.4	23-Apr-24	1:30	54.8
4	22-Apr-24	13:30	68.2	23-Apr-24	2:30	52.1
5	22-Apr-24	14:30	66.6	23-Apr-24	3:30	55.3
6	22-Apr-24	15:30	67.6	23-Apr-24	4:30	58.1
7	22-Apr-24	16:30	68.2	23-Apr-24	5:30	57.1
8	22-Apr-24	17:30	69.4	23-Apr-24	6:30	59.5
9	22-Apr-24	18:30	65.6	23-Apr-24	7:30	61.9
10	22-Apr-24	19:30	62.1	23-Apr-24	8:30	65.3
11	22-Apr-24	20:30	61.3	23-Apr-24	9:30	68.2
12	22-Apr-24	21:30	60.2			
13	23-Apr-24	22:30	58.1			
		Day Time L _{MAX}	70.9		Night Time L _{MAX}	61.3
		Day Time L _{MIN}	57.1		Night Time L _{MIN}	52.1
Average Day Time Leq dB (A)			65.2	Average Night Time Leq dB (A)		57.0

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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****END OF REPORT****

EQUINOX TEST REPORT

Report Issue Date : 24-Apr-24

Reference Number : EQNX:001:LAB:N:24:04:20396

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 23-Apr-24 To 24-Apr-24

Samling Location : Near acid storage tank area Date of Receipt : 24-Apr-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	23-Apr-24	14:10	58.2	24-Apr-24	3:10	50.1
2	23-Apr-24	15:10	56.1	24-Apr-24	4:10	49.8
3	23-Apr-24	16:10	56.2	24-Apr-24	5:10	49.8
4	23-Apr-24	17:10	56.3	24-Apr-24	6:10	49.9
5	23-Apr-24	18:10	58.9	24-Apr-24	7:10	50.1
6	23-Apr-24	19:10	58.9	24-Apr-24	8:10	50.2
7	23-Apr-24	20:10	58.2	24-Apr-24	9:10	50.6
8	23-Apr-24	21:10	56.3	24-Apr-24	10:10	52.9
9	23-Apr-24	22:10	54.6	24-Apr-24	11:10	55.7
10	23-Apr-24	23:10	53.7	24-Apr-24	12:10	58.9
11	24-Apr-24	0:10	55.2	24-Apr-24	13:10	61.3
12	24-Apr-24	1:10	50.0			
13	24-Apr-24	2:10	49.0			
		Day Time L _{MAX}	61.3		Night Time L _{MAX}	55.2
		Day Time L _{MIN}	50.2		Night Time L _{MIN}	49.0
Average Day Time Leq dB (A)			56.0	Average Night Time Leq dB (A)		50.5

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare

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****END OF REPORT****

EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB-N-24-05:07596
Report Issue Date : 31-May-24
ULR - TC682024000033732F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 22-May-24 TO 23-May-24
Sampling Location : Near Acid Tank Area
Date of Receipt : 23-May-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	22-May-24	2:40	66.1	23-May-24	15:40	53.2
2	22-May-24	3:40	68.2	23-May-24	16:40	58.6
3	22-May-24	4:40	69.4	23-May-24	17:40	57.2
4	22-May-24	5:40	70.3	23-May-24	18:40	56.5
5	22-May-24	6:40	65.4	23-May-24	19:40	60.3
6	22-May-24	7:40	63.7	23-May-24	20:40	68.1
7	22-May-24	8:40	66.4	23-May-24	21:40	63.2
8	22-May-24	9:40	60.1	23-May-24	22:40	65.4
9	22-May-24	10:40	58.6	23-May-24	23:40	66.3
10	22-May-24	11:40	57.2	23-May-24	0:40	67.5
11	23-May-24	12:40	55.4	23-May-24	1:40	69.5
12	23-May-24	13:40	56.8			
13	23-May-24	14:40	54.9			
		Day Time L _{MAX}	68.1		Night Time L _{MAX}	70.3
		Day Time L _{MIN}	53.2		Night Time L _{MIN}	65.4
Average Day Time Leq dB (A)			59.7	Average Night Time Leq dB (A)		67.8

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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****END OF REPORT****

Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX.001.LAB.N.24.06.00202
Report Issue Date : 4-Jun-24
ULR - TC682024000034715F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Parvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 28-May-24 To 29-May-24
Sampling Location : Near Time Office Area
Date of Receipt : 29-May-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

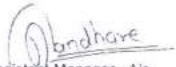
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	28-May-24	14:45	55.3	29-May-24	3:45	54.3
2	28-May-24	15:45	56.2	29-May-24	4:45	55.1
3	28-May-24	16:45	59.1	29-May-24	5:45	58.2
4	28-May-24	17:45	61.2	29-May-24	6:45	51.1
5	28-May-24	18:45	63.6	29-May-24	7:45	58.8
6	28-May-24	19:45	64.7	29-May-24	8:45	60.3
7	28-May-24	20:45	66.1	29-May-24	9:45	61.2
8	28-May-24	21:45	63.2	29-May-24	10:45	63.6
9	28-May-24	22:45	61.1	29-May-24	11:45	68.5
10	28-May-24	23:45	62.8	29-May-24	12:45	63.7
11	29-May-24	0:45	60.5	29-May-24	13:45	64.5
12	29-May-24	1:45	59.8			
13	29-May-24	2:45	59.5			
		Day Time L _{MAX}	68.5		Night Time L _{MAX}	62.8
		Day Time L _{MIN}	51.1		Night Time L _{MIN}	54.3
Average Day Time Leq dB (A)			61.3	Average Night Time Leq dB (A)		58.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:06:00201
Report Issue Date : 4-Jun-24
ULR - TC682024000034713F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Parvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 28-May-24 To 29-May-24
Sampling Location : Near Store Area
Date of Receipt : 29-May-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	28-May-24	14:50	54.4	29-May-24	3:50	53.9
2	28-May-24	15:50	56.3	29-May-24	4:50	56.5
3	28-May-24	16:50	58.5	29-May-24	5:50	52.2
4	28-May-24	17:50	59.6	29-May-24	6:50	51.8
5	28-May-24	18:50	61.2	29-May-24	7:50	53.5
6	28-May-24	19:50	62.3	29-May-24	8:50	59.1
7	28-May-24	20:50	65.6	29-May-24	9:50	60.5
8	28-May-24	21:50	63.8	29-May-24	10:50	61.5
9	28-May-24	22:50	60.5	29-May-24	11:50	62.9
10	28-May-24	23:50	58.8	29-May-24	12:50	62.7
11	29-May-24	0:50	57.6	29-May-24	13:50	65.4
12	29-May-24	1:50	55.4			
13	29-May-24	2:50	52.1			
		Day Time L _{MAX}	65.6		Night Time L _{MAX}	60.5
		Day Time L _{MIN}	51.8		Night Time L _{MIN}	52.1
Average Day Time Leq dB (A)			59.9	Average Night Time Leq dB (A)		55.8

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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+91 22 50647422

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB.N:24:06:00204
Report Issue Date : 4-Jun-24
ULR - TC682024000034717F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Parvel, Dist. Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 29-May-24 To 30-May-24
Sampling Location : Near Methanol Gate
Date of Receipt : 30-May-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	29-May-24	14:50	58.1	30-May-24	3:50	55.4
2	29-May-24	15:50	56.3	30-May-24	4:50	56.6
3	29-May-24	16:50	65.4	30-May-24	5:50	54.3
4	29-May-24	17:50	61.2	30-May-24	6:50	52.8
5	29-May-24	18:50	63.4	30-May-24	7:50	59.9
6	29-May-24	19:50	66.3	30-May-24	8:50	60.5
7	29-May-24	20:50	65.4	30-May-24	9:50	61.9
8	29-May-24	21:50	64.7	30-May-24	10:50	63.2
9	29-May-24	22:50	60.3	30-May-24	11:50	65.4
10	29-May-24	23:50	61.8	30-May-24	12:50	63.2
11	30-May-24	0:50	62.9	30-May-24	13:50	58.8
12	30-May-24	1:50	59.5			
13	30-May-24	2:50	58.7			
		Day Time L _{MAX}	66.3		Night Time L _{MAX}	62.9
		Day Time L _{MIN}	52.8		Night Time L _{MIN}	54.3
Average Day Time Leq dB (A)			61.7	Average Night Time Leq dB (A)		58.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB:N:24:06:00203
Report Issue Date : 4-Jun-24
ULR - TC682024000034716F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 29-May-24 To 30-May-24
Sampling Location : Near IPA Gate
Date of Receipt : 30-May-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

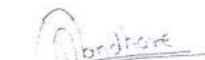
Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	29-May-24	15:20	62.7	30-May-24	4:20	56.3
2	29-May-24	16:20	61.8	30-May-24	5:20	58.9
3	29-May-24	17:20	63.5	30-May-24	6:20	59.5
4	29-May-24	18:20	64.6	30-May-24	7:20	61.2
5	29-May-24	19:20	61.9	30-May-24	8:20	62.3
6	29-May-24	20:20	66.4	30-May-24	9:20	66.8
7	29-May-24	21:20	61.9	30-May-24	10:20	67.5
8	29-May-24	22:20	60.5	30-May-24	11:20	68.5
9	29-May-24	23:20	62.3	30-May-24	12:20	63.9
10	30-May-24	0:20	60.5	30-May-24	13:20	61.5
11	30-May-24	1:20	56.5	30-May-24	14:20	63.4
12	30-May-24	2:20	55.4			
13	30-May-24	3:20	54.6			
		Day Time L _{MAX}	68.5		Night Time L _{MAX}	62.3
		Day Time L _{MIN}	59.5		Night Time L _{MIN}	54.6
Average Day Time Leq dB (A)			63.6	Average Night Time Leq dB (A)		58.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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*****END OF REPORT*****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB.N:24.06:00206
Report Issue Date : 4-Jun-24
ULR - TC682024000034719F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Panvel, Dist. Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 30-May-24 To 31-May-24
Sampling Location : Near K-6 Plant Main Gate
Date of Receipt : 31-May-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	30-May-24	10:30	61.1	30-May-24	23:30	59.4
2	30-May-24	11:30	60.2	31-May-24	0:30	56.3
3	30-May-24	12:30	62.9	31-May-24	1:30	55.6
4	30-May-24	13:30	63.8	31-May-24	2:30	54.3
5	30-May-24	14:30	66.5	31-May-24	3:30	59.5
6	30-May-24	15:30	65.2	31-May-24	4:30	60.3
7	30-May-24	16:30	61.9	31-May-24	5:30	62.9
8	30-May-24	17:30	64.5	31-May-24	6:30	63.8
9	30-May-24	18:30	65.3	31-May-24	7:30	64.6
10	30-May-24	19:30	64.8	31-May-24	8:30	65.8
11	30-May-24	20:30	63.9	31-May-24	9:30	66.3
12	30-May-24	21:30	61.8			
13	30-May-24	22:30	60.3			
		Day Time L _{MAX}	66.5		Night Time L _{MAX}	62.9
		Day Time L _{MIN}	60.2		Night Time L _{MIN}	54.3
Average Day Time Leq dB (A)			63.9	Average Night Time Leq dB (A)		58.5

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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*****END OF REPORT*****

Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

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+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:24:06:00205 Report Issue Date : 4-Jun-24
ULR - TC682024000034718F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Panvel, Dist. Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 22-May-24 To 23-May-24
Sampling Location : Near WNA III Plant Area Date of Receipt : 23-May-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	22-May-24	12:20	70.9	23-May-24	1:20	59.9
2	22-May-24	13:20	69.8	23-May-24	2:20	54.3
3	22-May-24	14:20	65.4	23-May-24	3:20	54.8
4	22-May-24	15:20	68.2	23-May-24	4:20	52.1
5	22-May-24	16:20	66.6	23-May-24	5:20	55.3
6	22-May-24	17:20	67.6	23-May-24	6:20	58.1
7	22-May-24	18:20	68.2	23-May-24	7:20	57.1
8	22-May-24	19:20	69.4	23-May-24	8:20	59.5
9	22-May-24	20:20	65.6	23-May-24	9:20	61.9
10	22-May-24	21:20	62.1	23-May-24	10:20	65.3
11	22-May-24	22:20	61.3	23-May-24	11:20	68.2
12	22-May-24	23:20	60.2			
13	23-May-24	0:20	58.1			
		Day Time L _{MAX}	70.9		Night Time L _{MAX}	61.3
		Day Time L _{MIN}	57.1		Night Time L _{MIN}	52.1
Average Day Time Leq dB (A)			65.2	Average Night Time Leq dB (A)		57.0

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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*****END OF REPORT*****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:24:06:00208

Report Issue Date : 4-Jun-24

ULR - TC682024000034721F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Parvel, Dist. Raigad.

Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 27-May-24 To 28-May-24

Samling Location : Near GT-2 Area

Date of Receipt : 28-May-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	27-May-24	14:25	75.4	28-May-24	3:25	62.6	
2	27-May-24	15:25	78.9	28-May-24	4:25	60.5	
3	27-May-24	16:25	73.1	28-May-24	5:25	60.9	
4	27-May-24	17:25	70.5	28-May-24	6:25	63.4	
5	27-May-24	18:25	71.6	28-May-24	7:25	65.9	
6	27-May-24	19:25	70.1	28-May-24	8:25	66.7	
7	27-May-24	20:25	68.9	28-May-24	9:25	70.2	
8	27-May-24	21:25	68.7	28-May-24	10:25	70.8	
9	27-May-24	22:25	66.4	28-May-24	11:25	71.6	
10	27-May-24	23:25	66.2	28-May-24	12:25	71.8	
11	28-May-24	0:25	63.1	28-May-24	13:25	73.1	
12	28-May-24	1:25	63.8				
13	28-May-24	2:25	62.5				
		Day Time L _{MAX}	78.9			Night Time L _{MAX}	66.4
		Day Time L _{MIN}	68.9			Night Time L _{MIN}	60.9
Average Day Time Leq dB (A)			70.7	Average Night Time Leq dB (A)			63.2

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:24:06:00207
Report Issue Date : 4-Jun-24
ULR - TC682024000034720F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Vitthal Jadhav / Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 27-May-24 To 28-May-24
Sampling Location : Near Utility Area Date of Receipt : 28-May-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	27-May-24	14:35	73.3	28-May-24	3:35	60.2
2	27-May-24	15:35	72.9	28-May-24	4:35	58.7
3	27-May-24	16:35	72.6	28-May-24	5:35	58.4
4	27-May-24	17:35	71.9	28-May-24	6:35	57.2
5	27-May-24	18:35	71.0	28-May-24	7:35	59.1
6	27-May-24	19:35	68.9	28-May-24	8:35	60.8
7	27-May-24	20:35	68.5	28-May-24	9:35	62.7
8	27-May-24	21:35	66.2	28-May-24	10:35	65.6
9	27-May-24	22:35	64.7	28-May-24	11:35	66.8
10	27-May-24	23:35	64.1	28-May-24	12:35	68.9
11	28-May-24	0:35	62.8	28-May-24	13:35	70.1
12	28-May-24	1:35	62.4			
13	28-May-24	2:35	60.3			
		Day Time L _{MAX}	73.3		Night Time L _{MAX}	64.7
		Day Time L _{MIN}	59.1		Night Time L _{MIN}	58.4
Average Day Time Leq dB (A)			67.3	Average Night Time Leq dB (A)		61.4

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB.N:24:06:05646
Report Issue Date : 20-Jun-24
ULR - TC682024000038791F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 14-Jun-24 to 15-Jun-24
Sampling Location : Near GT-2 Area
Date of Receipt : 15-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	14-Jun-24	2:35 PM	78.7	15-Jun-24	3:35 AM	61.5
2	14-Jun-24	3:35 PM	76.4	15-Jun-24	4:35 AM	62.3
3	14-Jun-24	4:35 PM	75.1	15-Jun-24	5:35 AM	62.7
4	14-Jun-24	5:35 PM	70.2	15-Jun-24	6:35 AM	65.9
5	14-Jun-24	6:35 PM	68.4	15-Jun-24	7:35 AM	66.8
6	14-Jun-24	7:35 PM	68.1	15-Jun-24	8:35 AM	69.7
7	14-Jun-24	8:35 PM	67.9	15-Jun-24	9:35 AM	69.5
8	14-Jun-24	9:35 PM	66.5	15-Jun-24	10:35 AM	70.1
9	14-Jun-24	10:35 PM	64.2	15-Jun-24	11:35 AM	68.3
10	14-Jun-24	11:35 PM	63.9	15-Jun-24	12:35 PM	69.9
11	15-Jun-24	12:35 AM	63.5	15-Jun-24	1:35 PM	67.5
12	15-Jun-24	1:35 AM	62.8			
13	15-Jun-24	2:35 AM	61.9			
		Day Time L _{MAX}	78.7		Night Time L _{MAX}	64.2
		Day Time L _{MIN}	65.9		Night Time L _{MIN}	61.5
Average Day Time Leq dB (A)			69.9	Average Night Time Leq dB (A)		62.8

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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+91 22 50647422

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB.N:24:06:05645
Report Issue Date : 20-Jun-24
ULR - TC682024000038790F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 14-Jun-24 to 15-Jun-24
Sampling Location : Near Time Office Area
Date of Receipt : 15-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	14-Jun-24	2:25 PM	55.7	15-Jun-24	3:25 AM	55.5	
2	14-Jun-24	3:25 PM	56.4	15-Jun-24	4:25 AM	58.4	
3	14-Jun-24	4:25 PM	58.9	15-Jun-24	5:25 AM	60.9	
4	14-Jun-24	5:25 PM	60.4	15-Jun-24	6:25 AM	62.7	
5	14-Jun-24	6:25 PM	63.9	15-Jun-24	7:25 AM	64.5	
6	14-Jun-24	7:25 PM	65.7	15-Jun-24	8:25 AM	66.9	
7	14-Jun-24	8:25 PM	64.8	15-Jun-24	9:25 AM	68.8	
8	14-Jun-24	9:25 PM	63.7	15-Jun-24	10:25 AM	69.4	
9	14-Jun-24	10:25 PM	60.8	15-Jun-24	11:25 AM	65.1	
10	14-Jun-24	11:25 PM	58.4	15-Jun-24	12:25 PM	69.7	
11	15-Jun-24	12:25 AM	57.6	15-Jun-24	1:25 PM	67.9	
12	15-Jun-24	1:25 AM	56.9				
13	15-Jun-24	2:25 AM	56.4				
		Day Time L _{MAX}	69.7			Night Time L _{MAX}	60.9
		Day Time L _{MIN}	55.7			Night Time L _{MIN}	55.5
Average Day Time Leq dB (A)			64.0	Average Night Time Leq dB (A)			58.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB:N:24:06:05030 Report Issue Date : 18-Jun-24
ULR - TC682024000038479 F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 13-Jun-24 to 14-Jun-24
Sampling Location : Near Methanol Gate Date of Receipt : 14-Jun-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	13-Jun-24	1.18 PM	59.7	14-Jun-24	2.18 AM	58.4
2	13-Jun-24	2.18 PM	59.3	14-Jun-24	3.18 AM	59.3
3	13-Jun-24	3.18 PM	61.9	14-Jun-24	4.18 AM	60.2
4	13-Jun-24	4.18 PM	61.5	14-Jun-24	5.18 AM	62.1
5	13-Jun-24	5.18 PM	62.4	14-Jun-24	6.18 AM	60.4
6	13-Jun-24	6.18 PM	64.3	14-Jun-24	7.18 AM	58.5
7	13-Jun-24	7.18 PM	67.5	14-Jun-24	8.18 AM	59.0
8	13-Jun-24	8.18 PM	69.0	14-Jun-24	9.18 AM	61.4
9	13-Jun-24	9.18 PM	64.8	14-Jun-24	10.18 AM	64.7
10	13-Jun-24	10.18 PM	66.4	14-Jun-24	11.18 AM	65.3
11	13-Jun-24	11.18 PM	67.3	14-Jun-24	12.18 PM	67.4
12	14-Jun-24	12.18 AM	60.4			
13	14-Jun-24	1.18 AM	61.0			
		Day Time L_{MAX}	69.0		Night Time L_{MAX}	67.3
		Day Time L_{MIN}	58.5		Night Time L_{MIN}	58.4
Average Day Time Leq dB (A)			62.9	Average Night Time Leq dB (A)		61.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:06:05029
Report Issue Date : 18-Jun-24
ULR - TC682024000038478 F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 13-Jun-24 to 14-Jun-24
Sampling Location : Near Store Area
Date of Receipt : 14-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	13-Jun-24	1.09 PM	55.2	14-Jun-24	2.09 AM	60.9	
2	13-Jun-24	2.09 PM	57.8	14-Jun-24	3.09 AM	63.7	
3	13-Jun-24	3.09 PM	57.7	14-Jun-24	4.09 AM	65.8	
4	13-Jun-24	4.09 PM	59.4	14-Jun-24	5.09 AM	67.4	
5	13-Jun-24	5.09 PM	58.5	14-Jun-24	6.09 AM	64.3	
6	13-Jun-24	6.09 PM	61.9	14-Jun-24	7.09 AM	66.0	
7	13-Jun-24	7.09 PM	63.9	14-Jun-24	8.09 AM	63.4	
8	13-Jun-24	8.09 PM	60.1	14-Jun-24	9.09 AM	66.0	
9	13-Jun-24	9.09 PM	63.4	14-Jun-24	10.09 AM	64.2	
10	13-Jun-24	10.09 PM	62.8	14-Jun-24	11.09 AM	60.3	
11	13-Jun-24	11.09 PM	60.9	14-Jun-24	12.09 PM	59.4	
12	14-Jun-24	12.09 AM	62.5				
13	14-Jun-24	1.09 AM	61.7				
		Day Time L _{MAX}	66.0			Night Time L _{MAX}	67.4
		Day Time L _{MIN}	55.2			Night Time L _{MIN}	60.9
Average Day Time Leq dB (A)			61.3	Average Night Time Leq dB (A)			63.2

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX-001:LAB:N:24:06:06734
Report Issue Date : 22-Jun-24
ULR - TC682024000039870F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 17-Jun-24 To 18-Jun-24
Sampling Location : Near Utility Area
Date of Receipt : 18-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Jun-24	14:05	61.9	18-Jun-24	3:05	57.3	
2	17-Jun-24	15:05	62.8	18-Jun-24	4:05	56.4	
3	17-Jun-24	16:05	62.4	18-Jun-24	5:05	58.9	
4	17-Jun-24	17:05	65.7	18-Jun-24	6:05	60.4	
5	17-Jun-24	18:05	68.5	18-Jun-24	7:05	62.5	
6	17-Jun-24	19:05	66.4	18-Jun-24	8:05	63.7	
7	17-Jun-24	20:05	68.9	18-Jun-24	9:05	64.8	
8	17-Jun-24	21:05	63.5	18-Jun-24	10:05	65.3	
9	17-Jun-24	22:05	62.8	18-Jun-24	11:05	67.8	
10	17-Jun-24	23:05	61.9	18-Jun-24	12:05	69.9	
11	18-Jun-24	0:05	61.0	18-Jun-24	13:05	69.1	
12	18-Jun-24	1:05	59.6				
13	18-Jun-24	2:05	58.4				
		Day Time L _{MAX}	69.9			Night Time L _{MAX}	62.8
		Day Time L _{MIN}	60.4			Night Time L _{MIN}	56.4
Average Day Time Leq dB (A)			65.2	Average Night Time Leq dB (A)			59.5

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:06:06733
Report Issue Date : 22-Jun-24
ULR - TC682024000039887F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 17-Jun-24 To 18-Jun-24
Sampling Location : Near WNA 3 Area
Date of Receipt : 18-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Jun-24	14:12	67.3	18-Jun-24	3:12	52.4	
2	17-Jun-24	15:12	67.1	18-Jun-24	4:12	51.8	
3	17-Jun-24	16:12	64.9	18-Jun-24	5:12	55.9	
4	17-Jun-24	17:12	63.4	18-Jun-24	6:12	56.8	
5	17-Jun-24	18:12	62.5	18-Jun-24	7:12	60.1	
6	17-Jun-24	19:12	62.0	18-Jun-24	8:12	62.4	
7	17-Jun-24	20:12	60.3	18-Jun-24	9:12	63.8	
8	17-Jun-24	21:12	58.9	18-Jun-24	10:12	66.7	
9	17-Jun-24	22:12	58.6	18-Jun-24	11:12	68.5	
10	17-Jun-24	23:12	56.7	18-Jun-24	12:12	69.3	
11	18-Jun-24	0:12	54.3	18-Jun-24	13:12	70.2	
12	18-Jun-24	1:12	53.1				
13	18-Jun-24	2:12	52.9				
		Day Time L _{MAX}	70.2			Night Time L _{MAX}	58.6
		Day Time L _{MIN}	58.9			Night Time L _{MIN}	51.8
Average Day Time Leq dB (A)			64.0	Average Night Time Leq dB (A)			54.4

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB.N.24.06.06731
Report Issue Date : 22-Jun-24
ULR - TC682024000039846F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 18-Jun-24 To 19-Jun-24
Sampling Location : Near Acid Tank Area
Date of Receipt : 19-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	18-Jun-24	16:00	68.5	19-Jun-24	5:00	55.6	
2	18-Jun-24	17:00	69.2	19-Jun-24	6:00	58.3	
3	18-Jun-24	18:00	71.3	19-Jun-24	7:00	60.5	
4	18-Jun-24	19:00	65.4	19-Jun-24	8:00	63.7	
5	18-Jun-24	20:00	63.8	19-Jun-24	9:00	65.4	
6	18-Jun-24	21:00	61.7	19-Jun-24	10:00	67.7	
7	18-Jun-24	22:00	60.3	19-Jun-24	11:00	68.2	
8	18-Jun-24	23:00	59.8	19-Jun-24	12:00	70.3	
9	19-Jun-24	0:00	56.4	19-Jun-24	13:00	66.1	
10	19-Jun-24	1:00	53.2	19-Jun-24	14:00	69.3	
11	19-Jun-24	2:00	51.9	19-Jun-24	15:00	72.5	
12	19-Jun-24	3:00	56.5				
13	19-Jun-24	4:00	54.3				
		Day Time L _{MAX}	72.5			Night Time L _{MAX}	60.3
		Day Time L _{MIN}	58.3			Night Time L _{MIN}	51.9
Average Day Time Leq dB (A)			66.4	Average Night Time Leq dB (A)			56.2

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX.001:LAB:N:24:06:07477
Report Issue Date : 25-Jun-24
ULR - TC682024000041389F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Parvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 19-Jun-24 to 20-Jun-24
Sampling Location : K-6 Plant Near Main Gate Area
Date of Receipt : 20-Jun-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	19-Jun-24	10:23 AM	63.3	19-Jun-24	23:23 PM	58.2	
2	19-Jun-24	11:23 AM	64.7	20-Jun-24	00:23 AM	59.5	
3	19-Jun-24	12:23 PM	68.1	20-Jun-24	01:23 AM	55.4	
4	19-Jun-24	13:23 PM	65.3	20-Jun-24	02:23 AM	56.2	
5	19-Jun-24	14:23 PM	66.2	20-Jun-24	03:23 AM	57.3	
6	19-Jun-24	15:23 PM	67.8	20-Jun-24	04:23 AM	52.1	
7	19-Jun-24	16:23 PM	68.9	20-Jun-24	05:23 AM	50.5	
8	19-Jun-24	17:23 PM	63.2	20-Jun-24	06:23 AM	53.2	
9	19-Jun-24	18:23 PM	61.9	20-Jun-24	07:23 AM	64.5	
10	19-Jun-24	19:23 PM	60.5	20-Jun-24	08:23 AM	66.7	
11	19-Jun-24	20:23 PM	63.4	20-Jun-24	09:23 AM	60.3	
12	19-Jun-24	21:23 PM	58.3				
13	19-Jun-24	22:23 PM	56.9				
		Day Time L _{MAX}	68.9			Night Time L _{MAX}	59.5
		Day Time L _{MIN}	53.2			Night Time L _{MIN}	50.5
Average Day Time Leq dB (A)			63.5	Average Night Time Leq dB (A)			55.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:07:04436 Report Issue Date : 16-Jul-24
ULR - TC682024000048113F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 11-Jul-24 to 12-Jul-24
Sampling Location : Near Acid Tank Area Date of Receipt : 12-Jul-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	11-Jul-24	1:17 PM	68.5	12-Jul-24	2:17 AM	61.7	
2	11-Jul-24	2:17 PM	68.0	12-Jul-24	3:17 AM	61.2	
3	11-Jul-24	3:17 PM	69.1	12-Jul-24	4:17 AM	60.4	
4	11-Jul-24	4:17 PM	68.9	12-Jul-24	5:17 AM	58.2	
5	11-Jul-24	5:17 PM	69.4	12-Jul-24	6:17 AM	59.0	
6	11-Jul-24	6:17 PM	70.8	12-Jul-24	7:17 AM	60.6	
7	11-Jul-24	7:17 PM	70.0	12-Jul-24	8:17 AM	63.9	
8	11-Jul-24	8:17 PM	68.4	12-Jul-24	9:17 AM	64.7	
9	11-Jul-24	9:17 PM	65.2	12-Jul-24	10:17 AM	66.3	
10	11-Jul-24	10:17 PM	64.3	12-Jul-24	11:17 AM	67.5	
11	11-Jul-24	11:17 PM	63.0	12-Jul-24	12:17 PM	68.8	
12	12-Jul-24	12:17 AM	62.8				
13	12-Jul-24	1:17 AM	62.0				
		Day Time L _{MAX}	70.8			Night Time L _{MAX}	64.3
		Day Time L _{MIN}	59.0			Night Time L _{MIN}	58.2
Average Day Time Leq dB (A)			66.8	Average Night Time Leq dB (A)			61.7

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 16-Jul-24

Reference Number : EQNX.001:LAB:N:24:07:04437

ULR - TC682024000048114F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 11-Jul-24 to 12-Jul-24
Sampling Location : Near WNA III Area Date of Receipt : 12-Jul-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	11-Jul-24	1:20 PM	62.9	12-Jul-24	2:20 AM	56.3
2	11-Jul-24	2:20 PM	63.8	12-Jul-24	3:20 AM	55.2
3	11-Jul-24	3:20 PM	63.0	12-Jul-24	4:20 AM	54.9
4	11-Jul-24	4:20 PM	65.2	12-Jul-24	5:20 AM	60.0
5	11-Jul-24	5:20 PM	66.3	12-Jul-24	6:20 AM	62.4
6	11-Jul-24	6:20 PM	68.4	12-Jul-24	7:20 AM	64.9
7	11-Jul-24	7:20 PM	69.1	12-Jul-24	8:20 AM	65.8
8	11-Jul-24	8:20 PM	65.4	12-Jul-24	9:20 AM	66.1
9	11-Jul-24	9:20 PM	62.2	12-Jul-24	10:20 AM	67.4
10	11-Jul-24	10:20 PM	60.9	12-Jul-24	11:20 AM	68.6
11	11-Jul-24	11:20 PM	61.8	12-Jul-24	12:20 PM	69.5
12	12-Jul-24	12:20 AM	58.4			
13	12-Jul-24	1:20 AM	57.5			
		Day Time L _{MAX}	69.5		Night Time L _{MAX}	61.8
		Day Time L _{MIN}	62.2		Night Time L _{MIN}	54.9
Average Day Time Leq dB (A)			65.6	Average Night Time Leq dB (A)		58.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:07:04687
Report Issue Date : 17-Jul-24
ULR - TC682024000048415F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00
Date of Sampling : 12-Jul-24 To 13-Jul-24
Sampling Location : K-6 Plant Near Main Gate
Date of Receipt : 13-Jul-24
Sample Description : Ambient Noise Measurement
Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	12-Jul-24	17:00	63.1	13-Jul-24	6:00	58.3
2	12-Jul-24	18:00	62.7	13-Jul-24	7:00	57.1
3	12-Jul-24	19:00	60.1	13-Jul-24	8:00	59
4	12-Jul-24	20:00	63.4	13-Jul-24	9:00	58.4
5	12-Jul-24	21:00	67.3	13-Jul-24	10:00	58.7
6	12-Jul-24	22:00	57.4	13-Jul-24	11:00	59.4
7	12-Jul-24	23:00	58.7	13-Jul-24	12:00	63.4
8	13-Jul-24	0:00	54.0	13-Jul-24	13:00	67.8
9	13-Jul-24	1:00	53.0	13-Jul-24	14:00	65.9
10	13-Jul-24	2:00	58.6	13-Jul-24	15:00	67.8
11	13-Jul-24	3:00	57.3	13-Jul-24	16:00	64.9
12	13-Jul-24	4:00	53.3			
13	13-Jul-24	5:00	54.3			
		Day Time L_{MAX}	67.8		Night Time L_{MAX}	58.7
		Day Time L_{MIN}	57.1		Night Time L_{MIN}	53.0
Average Day Time Leq dB (A)			62.0	Average Night Time Leq dB (A)		56.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 13-Jul-24

Reference Number : EQNX:001:LAB:N:24:07:03625

ULR - TC682024000047085F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 10-Jul-24 to 11-Jul-24
 Sampling Location : Near Methanol Gate Area Date of Receipt : 11-Jul-24
 Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
 Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	10-Jul-24	2:40 PM	65.3	11-Jul-24	3:40 AM	60.5
2	10-Jul-24	3:40 PM	66.9	11-Jul-24	4:40 AM	59.9
3	10-Jul-24	4:40 PM	67.4	11-Jul-24	5:40 AM	59.4
4	10-Jul-24	5:40 PM	68.2	11-Jul-24	6:40 AM	61.6
5	10-Jul-24	6:40 PM	68.9	11-Jul-24	7:40 AM	62.6
6	10-Jul-24	7:40 PM	66.3	11-Jul-24	8:40 AM	64.9
7	10-Jul-24	8:40 PM	65.7	11-Jul-24	9:40 AM	64.2
8	10-Jul-24	9:40 PM	64.1	11-Jul-24	10:40 AM	67.3
9	10-Jul-24	10:40 PM	63.9	11-Jul-24	11:40 AM	68.4
10	10-Jul-24	11:40 PM	63.2	11-Jul-24	12:40 PM	69.2
11	11-Jul-24	12:40 AM	62.8	11-Jul-24	1:40 PM	70.1
12	11-Jul-24	1:40 AM	62.0			
13	11-Jul-24	2:40 AM	61.4			
		Day Time L _{MAX}	70.1		Night Time L _{MAX}	63.9
		Day Time L _{MIN}	61.6		Night Time L _{MIN}	59.9
Average Day Time Leq dB (A)			66.3	Average Night Time Leq dB (A)		61.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


 Assistant Manager - Air
 (Authorised Signatory)
 Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 13-Jul-24

Reference Number : EQNX:001:LAB:N:24:07:03626

ULR - TC682024000047086F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Parvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 10-Jul-24 to 11-Jul-24

Sampling Location : Near IPA Gate Area Date of Receipt : 11-Jul-24

Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	10-Jul-24	2:52 PM	74.0	11-Jul-24	3:52 AM	62.2
2	10-Jul-24	3:52 PM	74.4	11-Jul-24	4:52 AM	61.7
3	10-Jul-24	4:52 PM	73.2	11-Jul-24	5:52 AM	60.5
4	10-Jul-24	5:52 PM	72.5	11-Jul-24	6:52 AM	59.7
5	10-Jul-24	6:52 PM	73.9	11-Jul-24	7:52 AM	58.3
6	10-Jul-24	7:52 PM	71.0	11-Jul-24	8:52 AM	58.0
7	10-Jul-24	8:52 PM	69.5	11-Jul-24	9:52 AM	59.3
8	10-Jul-24	9:52 PM	68.2	11-Jul-24	10:52 AM	60.8
9	10-Jul-24	10:52 PM	66.8	11-Jul-24	11:52 AM	61.9
10	10-Jul-24	11:52 PM	66.0	11-Jul-24	12:52 PM	62.7
11	11-Jul-24	12:52 AM	64.9	11-Jul-24	1:52 PM	63.4
12	11-Jul-24	1:52 AM	64.1			
13	11-Jul-24	2:52 AM	62.8			
		Day Time L _{MAX}	74.4		Night Time L _{MAX}	66.8
		Day Time L _{MIN}	58.0		Night Time L _{MIN}	60.5
Average Day Time Leq dB (A)			66.3	Average Night Time Leq dB (A)		63.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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*****END OF REPORT*****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue Date : 13-Jul-24

Reference Number : EQNX:001:LAB:N:24:07:03483

ULR - TC682024000047083F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 9-Jul-24 to 10-Jul-24

Sampling Location : Near Time Office Area

Date of Receipt : 10-Jul-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	9-Jul-24	3:06 PM	68.4	10-Jul-24	4:06 AM	60.0	
2	9-Jul-24	4:06 PM	68.7	10-Jul-24	5:06 AM	61.6	
3	9-Jul-24	5:06 PM	67.9	10-Jul-24	6:06 AM	62.7	
4	9-Jul-24	6:06 PM	68.1	10-Jul-24	7:06 AM	64.5	
5	9-Jul-24	7:06 PM	69.7	10-Jul-24	8:06 AM	66.8	
6	9-Jul-24	8:06 PM	68.8	10-Jul-24	9:06 AM	67.9	
7	9-Jul-24	9:06 PM	66.6	10-Jul-24	10:06 AM	68.2	
8	9-Jul-24	10:06 PM	65.4	10-Jul-24	11:06 AM	68.8	
9	9-Jul-24	11:06 PM	64.3	10-Jul-24	12:06 PM	69.7	
10	10-Jul-24	12:06 AM	64.0	10-Jul-24	1:06 PM	70.1	
11	10-Jul-24	1:06 AM	63.9	10-Jul-24	2:06 PM	69.2	
12	10-Jul-24	2:06 AM	62.8				
13	10-Jul-24	3:06 AM	61.4				
		Day Time L_{MAX}	70.1			Night Time L_{MAX}	65.4
		Day Time L_{MIN}	62.7			Night Time L_{MIN}	60.0
Average Day Time Leq dB (A)			67.8	Average Night Time Leq dB (A)			62.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



Note :

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*****END OF REPORT*****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue Date : 13-Jul-24

Reference Number : EQNX-001:LAB:N:24:07:03484

ULR - TC682024000047084F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 9-Jul-24 to 10-Jul-24

Sampling Location : Near Store Area

Date of Receipt : 10-Jul-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	9-Jul-24	3:01 PM	69.4	10-Jul-24	4:01 AM	61.7	
2	9-Jul-24	4:01 PM	69.8	10-Jul-24	5:01 AM	60.8	
3	9-Jul-24	5:01 PM	70.5	10-Jul-24	6:01 AM	60.0	
4	9-Jul-24	6:01 PM	70.0	10-Jul-24	7:01 AM	62.9	
5	9-Jul-24	7:01 PM	69.2	10-Jul-24	8:01 AM	63.8	
6	9-Jul-24	8:01 PM	68.1	10-Jul-24	9:01 AM	66.7	
7	9-Jul-24	9:01 PM	66.3	10-Jul-24	10:01 AM	68.2	
8	9-Jul-24	10:01 PM	66.0	10-Jul-24	11:01 AM	68.9	
9	9-Jul-24	11:01 PM	65.8	10-Jul-24	12:01 PM	69.7	
10	10-Jul-24	12:01 AM	64.4	10-Jul-24	1:01 PM	69.1	
11	10-Jul-24	1:01 AM	63.9	10-Jul-24	2:01 PM	70.0	
12	10-Jul-24	2:01 AM	62.4				
13	10-Jul-24	3:01 AM	62.0				
		Day Time L _{MAX}	70.5			Night Time L _{MAX}	66.0
		Day Time L _{MIN}	60.0			Night Time L _{MIN}	60.8
Average Day Time Leq dB (A)			67.6	Average Night Time Leq dB (A)			63.4

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

+91 22 50647422

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:07:02950 Report Issue Date : 10-Jul-24
ULR - TC682024000046746F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 08-Jul-24 To 09-Jul-24
Sampling Location : Near Utility Area Date of Receipt : 9-Jul-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	8-Jul-24	14:37	72.0	9-Jul-24	3:37	65.1
2	8-Jul-24	15:37	74.1	9-Jul-24	4:37	63.9
3	8-Jul-24	16:37	71.5	9-Jul-24	5:37	63
4	8-Jul-24	17:37	73.6	9-Jul-24	6:37	62.5
5	8-Jul-24	18:37	75.4	9-Jul-24	7:37	61.9
6	8-Jul-24	19:37	74.8	9-Jul-24	8:37	61.3
7	8-Jul-24	20:37	74.0	9-Jul-24	9:37	60.7
8	8-Jul-24	21:37	73.2	9-Jul-24	10:37	60.1
9	8-Jul-24	22:37	70.9	9-Jul-24	11:37	61.5
10	8-Jul-24	23:37	69.7	9-Jul-24	12:37	62.7
11	9-Jul-24	0:37	69.0	9-Jul-24	13:37	64.5
12	9-Jul-24	1:37	68.5			
13	9-Jul-24	2:37	65.4			
		Day Time L _{MAX}	75.4	Night Time L _{MAX}		70.9
		Day Time L _{MIN}	60.1	Night Time L _{MIN}		63.0
Average Day Time Leq dB (A)			67.7	Average Night Time Leq dB (A)		66.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

Corporate Office: Equinox Center, R65, TTC, Rabale, Navi Mumbai - 400701

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 10-Jul-24

Reference Number : EQNX:001:LAB:N:24:07:02955

ULR - TC682024000046747F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 08-Jul-24 To 09-Jul-24

Sampling Location : Near GT-II Area

Date of Receipt : 9-Jul-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	8-Jul-24	14:40	75.1	9-Jul-24	3:40	60.7	
2	8-Jul-24	15:40	74.3	9-Jul-24	4:40	60.3	
3	8-Jul-24	16:40	73.9	9-Jul-24	5:40	59.9	
4	8-Jul-24	17:40	72.8	9-Jul-24	6:40	62.4	
5	8-Jul-24	18:40	70.1	9-Jul-24	7:40	65.2	
6	8-Jul-24	19:40	68.9	9-Jul-24	8:40	67.8	
7	8-Jul-24	20:40	68.7	9-Jul-24	9:40	69.3	
8	8-Jul-24	21:40	66.3	9-Jul-24	10:40	64.5	
9	8-Jul-24	22:40	65.4	9-Jul-24	11:40	65.9	
10	8-Jul-24	23:40	64.7	9-Jul-24	12:40	67.8	
11	9-Jul-24	0:40	63.8	9-Jul-24	13:40	68.1	
12	9-Jul-24	1:40	62.9				
13	9-Jul-24	2:40	62.6				
		Day Time L _{MAX}	75.1			Night Time L _{MAX}	65.4
		Day Time L _{MIN}	62.4			Night Time L _{MIN}	59.9
Average Day Time Leq dB (A)			68.8	Average Night Time Leq dB (A)			62.5

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results found satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX-001:LAB-N:24:09:00150

ULR - TC682024000061430F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 29-Aug-24 to 30-Aug-24

Sampling Location : Near WNA-III Plant Area

Date of Receipt : 30-Aug-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	29-Aug-24	4:21 PM	64.5	30-Aug-24	5:21 AM	51.6	
2	29-Aug-24	5:21 PM	68.2	30-Aug-24	6:21 AM	52.3	
3	29-Aug-24	6:21 PM	61.2	30-Aug-24	7:21 AM	50.1	
4	29-Aug-24	7:21 PM	64.8	30-Aug-24	8:21 AM	46.3	
5	29-Aug-24	8:21 PM	66.2	30-Aug-24	9:21 AM	48.9	
6	29-Aug-24	9:21 PM	63.1	30-Aug-24	10:21 AM	49.6	
7	29-Aug-24	10:21 PM	60.2	30-Aug-24	11:21 AM	50.3	
8	29-Aug-24	11:21 PM	58.3	30-Aug-24	12:21 PM	52.1	
9	29-Aug-24	12:21 AM	59.1	30-Aug-24	1:21 PM	53.6	
10	30-Aug-24	1:21 AM	56.3	30-Aug-24	2:21 PM	54.6	
11	30-Aug-24	2:21 AM	53.2	30-Aug-24	3:21 PM	60.3	
12	30-Aug-24	3:21 AM	51.6				
13	30-Aug-24	4:21 AM	50.7				
		Day Time L _{MAX}	68.2	Night Time L _{MAX}		60.2	
		Day Time L _{MIN}	46.3	Night Time L _{MIN}		50.7	
Average Day Time Leq dB (A)			56.6	Average Night Time Leq dB (A)			55.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX.001.LAB.N:24:09:00151

ULR - TC682024000061431F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 29-Aug-24 to 30-Aug-24

Sampling Location : Near Acid Tank Area

Date of Receipt : 30-Aug-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	29-Aug-24	3:45 PM	69.6	30-Aug-24	4:45 AM	56.4
2	29-Aug-24	4:45 PM	64.3	30-Aug-24	5:45 AM	55.3
3	29-Aug-24	5:45 PM	65.2	30-Aug-24	6:45 AM	51.6
4	29-Aug-24	6:45 PM	68.1	30-Aug-24	7:45 AM	52.7
5	29-Aug-24	7:45 PM	66.4	30-Aug-24	8:45 AM	53.8
6	29-Aug-24	8:45 PM	62.9	30-Aug-24	9:45 AM	56.5
7	29-Aug-24	9:45 PM	64.7	30-Aug-24	10:45 AM	58.3
8	29-Aug-24	10:45 PM	63.3	30-Aug-24	11:45 AM	60.4
9	29-Aug-24	11:45 PM	62.8	30-Aug-24	12:45 PM	61.9
10	30-Aug-24	12:45 AM	66.3	30-Aug-24	1:45 PM	62.3
11	30-Aug-24	1:45 AM	64.2	30-Aug-24	2:45 PM	63.5
12	30-Aug-24	2:45 AM	59.3			
13	30-Aug-24	3:45 AM	60.4			
		Day Time L _{MAX}	69.6	Night Time L _{MAX}		66.3
		Day Time L _{MIN}	51.6	Night Time L _{MIN}		55.3
Average Day Time Leq dB (A)			61.3	Average Night Time Leq dB (A)		61.0

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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+91 22 50647422

info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX.001:LAB:N:24:09:00152

ULR - TC682024000061432F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 30-Aug-24 to 31-Aug-24

Samling Location : Near Time Office Area

Date of Receipt : 31-Aug-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	30-Aug-24	13:23	55.6	31-Aug-24	2:23	53.6	
2	30-Aug-24	14:23	56.2	31-Aug-24	3:23	55.4	
3	30-Aug-24	15:23	58.9	31-Aug-24	4:23	51.2	
4	30-Aug-24	16:23	60.5	31-Aug-24	5:23	56.1	
5	30-Aug-24	17:23	61.2	31-Aug-24	6:23	58.6	
6	30-Aug-24	18:23	63.7	31-Aug-24	7:23	61.3	
7	30-Aug-24	19:23	61.9	31-Aug-24	8:23	62.7	
8	30-Aug-24	20:23	60.6	31-Aug-24	9:23	63.6	
9	30-Aug-24	21:23	59.8	31-Aug-24	10:23	64.1	
10	30-Aug-24	22:23	56.4	31-Aug-24	11:23	61.9	
11	30-Aug-24	23:23	58.2	31-Aug-24	12:23	66.3	
12	31-Aug-24	0:23	56.3				
13	31-Aug-24	1:23	52.1				
		Day Time L _{MAX}	66.3			Night Time L _{MAX}	58.2
		Day Time L _{MIN}	55.6			Night Time L _{MIN}	51.2
Average Day Time Leq dB (A)			61.0	Average Night Time Leq dB (A)			54.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX.001.LAB.N.24.09.00153

ULR - TC682024000061433F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 30-Aug-24 to 31-Aug-24
Sampling Location : Near Store Area Date of Receipt : 31-Aug-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	30-Aug-24	13:10	56.5	31-Aug-24	2:10	51.8
2	30-Aug-24	14:10	58.9	31-Aug-24	3:10	52.1
3	30-Aug-24	15:10	60.3	31-Aug-24	4:10	56.7
4	30-Aug-24	16:10	61.2	31-Aug-24	5:10	57.2
5	30-Aug-24	17:10	58.6	31-Aug-24	6:10	60.3
6	30-Aug-24	18:10	56.5	31-Aug-24	7:10	61.2
7	30-Aug-24	19:10	59.2	31-Aug-24	8:10	62.4
8	30-Aug-24	20:10	60.3	31-Aug-24	9:10	63.8
9	30-Aug-24	21:10	62.7	31-Aug-24	10:10	62.1
10	30-Aug-24	22:10	55.7	31-Aug-24	11:10	60.4
11	30-Aug-24	23:10	56.4	31-Aug-24	12:10	59.2
12	31-Aug-24	0:10	51.2			
13	31-Aug-24	1:10	50.4			
		Day Time L _{MAX}	63.8	Night Time L _{MAX}		57.2
		Day Time L _{MIN}	56.5	Night Time L _{MIN}		50.4
Average Day Time Leq dB (A)			60.2	Average Night Time Leq dB (A)		53.9

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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****END OF REPORT****

Your Testing and Auditing Partner

EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:00207

ULR - TC682024000051487F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 31-Aug-24 to 01-Sep-24

Sampling Location : Near Utility Area

Date of Receipt : 1-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	31-Aug-24	18:10	59.6	1-Sep-24	7:10	57.8	
2	31-Aug-24	19:10	57.8	1-Sep-24	8:10	58.6	
3	31-Aug-24	20:10	56.3	1-Sep-24	9:10	59.7	
4	31-Aug-24	21:10	54.3	1-Sep-24	10:10	60.3	
5	31-Aug-24	22:10	56.1	1-Sep-24	11:10	58.1	
6	31-Aug-24	23:10	54.9	1-Sep-24	12:10	59.2	
7	1-Sep-24	0:10	53.1	1-Sep-24	13:10	61.8	
8	1-Sep-24	1:10	52.3	1-Sep-24	14:10	62.3	
9	1-Sep-24	2:10	55.2	1-Sep-24	15:10	60.4	
10	1-Sep-24	3:10	54.1	1-Sep-24	16:10	58.8	
11	1-Sep-24	4:10	53.2	1-Sep-24	17:10	56.1	
12	1-Sep-24	5:10	54.8				
13	1-Sep-24	6:10	55.6				
		Day Time L _{MAX}	62.3			Night Time L _{MAX}	56.1
		Day Time L _{MIN}	54.3			Night Time L _{MIN}	52.3
Average Day Time Leq dB (A)			58.5	Average Night Time Leq dB (A)			54.2

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

Equinox Labs Private Limited | CIN No. U74999MH2017PTC297024

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Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

+91 22 50647422

info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:00208

ULR - TC682024000061488F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Parvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 31-Aug-24 to 01-Sep-24

Sampling Location : K - 6, Plant - Near Main Gate

Date of Receipt : 1-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	31-Aug-24	12:13	63.5	1-Sep-24	1:13	55.3
2	31-Aug-24	13:13	54.0	1-Sep-24	2:13	54.0
3	31-Aug-24	14:13	55.3	1-Sep-24	3:13	56.5
4	31-Aug-24	15:13	54.9	1-Sep-24	4:13	55.1
5	31-Aug-24	16:13	61.4	1-Sep-24	5:13	53.7
6	31-Aug-24	17:13	55.7	1-Sep-24	6:13	52.4
7	31-Aug-24	18:13	52.6	1-Sep-24	7:13	57.8
8	31-Aug-24	19:13	56.0	1-Sep-24	8:13	58.4
9	31-Aug-24	20:13	55.8	1-Sep-24	9:13	54.3
10	31-Aug-24	21:13	57.8	1-Sep-24	10:13	55.0
11	31-Aug-24	22:13	53.9	1-Sep-24	11:13	57.2
12	31-Aug-24	22:13	55.8			
13	1-Sep-24	0:13	64.5			
		Day Time L _{MAX}	63.4	Night Time L _{MAX}		64.5
		Day Time L _{MIN}	52.4	Night Time L _{MIN}		53.7
Average Day Time Leq dB (A)			56.3	Average Night Time Leq dB (A)		56.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820

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info@equinoxlab.com

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EQUINOX TEST REPORT

Report Issue Date : 3-Sep-24

Reference Number : EQNX-001:LAB:N.24:09:00209

ULR - TC682024000061491F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 31-Aug-24 to 1-Sep-24

Sampling Location : Near GT - 11 Area

Date of Receipt : 1-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	31-Aug-24	18:20	72.4	1-Sep-24	7:20	62.1
2	31-Aug-24	19:20	70.1	1-Sep-24	8:20	63.2
3	31-Aug-24	20:20	68.2	1-Sep-24	9:20	65.1
4	31-Aug-24	21:20	65.5	1-Sep-24	10:20	68.2
5	31-Aug-24	22:20	66.3	1-Sep-24	11:20	70.3
6	31-Aug-24	23:20	64.5	1-Sep-24	12:20	67.8
7	1-Sep-24	0:20	63.7	1-Sep-24	13:20	66.9
8	1-Sep-24	1:20	60.8	1-Sep-24	14:20	65.2
9	1-Sep-24	2:20	58.4	1-Sep-24	15:20	68.1
10	1-Sep-24	3:20	59.3	1-Sep-24	16:20	67.0
11	1-Sep-24	4:20	60.1	1-Sep-24	17:20	66.4
12	1-Sep-24	5:20	58.2			
13	1-Sep-24	6:20	59.4			
		Day Time L _{MAX}	72.4	Night Time L _{MAX}		66.3
		Day Time L _{MIN}	59.4	Night Time L _{MIN}		58.2
Average Day Time Leq dB (A)			66.6	Average Night Time Leq dB (A)		61.4

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820

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info@equinoxlab.com

www.equinoxlab.com

EQUINOX TEST REPORT

equinox LABS

Report Issue Date : 23-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:06588

ULR - TC682024000066267F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal. Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 16-Sep-24 to 17-Sep-24

Sampling Location : Near Store Area

Date of Receipt : 17-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	16-Sep-24	11:26	52.1	17-Sep-24	0:26	51.2
2	16-Sep-24	12:26	50.1	17-Sep-24	1:26	58.4
3	16-Sep-24	13:26	51.7	17-Sep-24	2:26	67.3
4	16-Sep-24	14:26	52	17-Sep-24	3:26	64.9
5	16-Sep-24	15:26	53.4	17-Sep-24	4:26	61.3
6	16-Sep-24	16:26	64.5	17-Sep-24	5:26	58.4
7	16-Sep-24	17:26	60.3	17-Sep-24	6:26	59.6
8	16-Sep-24	18:26	59.1	17-Sep-24	7:26	60.8
9	16-Sep-24	19:26	53.2	17-Sep-24	8:26	57.4
10	16-Sep-24	20:26	59.4	17-Sep-24	9:26	56.5
11	16-Sep-24	21:26	61	17-Sep-24	10:26	55.9
12	16-Sep-24	22:26	58.3			
13	16-Sep-24	23:26	54.4			
		Day Time L _{MAX}	64.5		Night Time L _{MAX}	67.3
		Day Time L _{MIN}	50.1		Night Time L _{MIN}	51.2
Average Day Time Leq dB (A)			56.6	Average Night Time Leq dB (A)		59.3

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

equinox LABS

Report Issue Date : 23-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:06589

ULR - TC682024000066268F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 16-Sep-24 to 17-Sep-24

Sampling Location : Near Time Office Area

Date of Receipt : 17-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	16-Sep-24	11:24	53.4	31-Aug-24	0:24	69.4
2	16-Sep-24	12:24	54.8	31-Aug-24	1:24	70.1
3	16-Sep-24	13:24	57.9	31-Aug-24	2:24	69.1
4	16-Sep-24	14:24	61.4	31-Aug-24	3:24	59.2
5	16-Sep-24	15:24	67.3	31-Aug-24	4:24	68.5
6	16-Sep-24	16:24	67.4	31-Aug-24	5:24	70.4
7	16-Sep-24	17:24	63.9	31-Aug-24	6:24	58.4
8	16-Sep-24	18:24	62.7	31-Aug-24	7:24	59.1
9	16-Sep-24	19:24	59.4	31-Aug-24	8:24	61.5
10	16-Sep-24	20:24	58.4	31-Aug-24	9:24	63.6
11	16-Sep-24	21:24	56.9	31-Aug-24	10:24	61.9
12	16-Sep-24	22:24	58.9			
13	16-Sep-24	23:24	66.9			
		Day Time L _{MAX}	67.4		Night Time L _{MAX}	70.4
		Day Time L _{MIN}	53.4		Night Time L _{MIN}	58.9
Average Day Time Leq dB (A)			60.5	Average Night Time Leq dB (A)		66.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 23-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:06590

ULR - TC682024000066285F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 17-Sep-24 To 18-Sep-24

Samling Location : Near GT 2 Area

Date of Receipt : 18-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Sep-24	14:35	76.2	18-Sep-24	3:35	54.4	
2	17-Sep-24	15:35	66.3	18-Sep-24	4:35	53.7	
3	17-Sep-24	16:35	63.7	18-Sep-24	5:35	49.2	
4	17-Sep-24	17:35	69.3	18-Sep-24	6:35	55.2	
5	17-Sep-24	18:35	66.9	18-Sep-24	7:35	77.6	
6	17-Sep-24	19:35	68	18-Sep-24	8:35	77.2	
7	17-Sep-24	20:35	69.2	18-Sep-24	9:35	76.4	
8	17-Sep-24	21:35	65	18-Sep-24	10:35	76.4	
9	17-Sep-24	22:35	58.2	18-Sep-24	11:35	76.2	
10	17-Sep-24	23:35	56.4	18-Sep-24	12:35	79.2	
11	18-Sep-24	0:35	57.2	18-Sep-24	13:35	68.4	
12	18-Sep-24	1:35	56.1				
13	18-Sep-24	2:35	53.1				
Day Time L _{MAX}			79.2	Night Time L _{MAX}			58.2
Day Time L _{MIN}			55.2	Night Time L _{MIN}			49.2
Average Day Time Leq dB (A)			70.7	Average Night Time Leq dB (A)			54.8

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 23-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:06591

ULR - TC682024000066286F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Talaja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 17-Sep-24 To 18-Sep-24

Samling Location : Near Utility Area

Date of Receipt : 18-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	17-Sep-24	14:30	69.1	18-Sep-24	3:30	70.4	
2	17-Sep-24	15:30	75.4	18-Sep-24	4:30	72.8	
3	17-Sep-24	16:30	63.4	18-Sep-24	5:30	61.9	
4	17-Sep-24	17:30	63.9	18-Sep-24	6:30	59.9	
5	17-Sep-24	18:30	67.5	18-Sep-24	7:30	58.6	
6	17-Sep-24	19:30	69.7	18-Sep-24	8:30	58.9	
7	17-Sep-24	20:30	65.2	18-Sep-24	9:30	68.2	
8	17-Sep-24	21:30	75.3	18-Sep-24	10:30	67.4	
9	17-Sep-24	22:30	61.3	18-Sep-24	11:30	70.6	
10	17-Sep-24	23:30	69.2	18-Sep-24	12:30	68.3	
11	18-Sep-24	0:30	73.8	18-Sep-24	13:30	65.9	
12	18-Sep-24	1:30	66.1				
13	18-Sep-24	2:30	68.7				
Day Time L _{MAX}			75.4	Night Time L _{MAX}			73.8
Day Time L _{MIN}			58.6	Night Time L _{MIN}			61.3
Average Day Time Leq dB (A)			66.7	Average Night Time Leq dB (A)			68.0

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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Your Testing and Auditing Partner

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EQUINOX TEST REPORT

Report Issue Date : 23-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:06592

ULR - TC682024000066283F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 19-Sep-24 To 20-Sep-24

Samling Location : Near WNA III Area

Date of Receipt : 20-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	19-Sep-24	13:15	71.3	20-Sep-24	2:15	58.9
2	19-Sep-24	14:15	70.9	20-Sep-24	3:15	60.1
3	19-Sep-24	15:15	69.2	20-Sep-24	4:15	59.2
4	19-Sep-24	16:15	65.1	20-Sep-24	5:15	57.3
5	19-Sep-24	17:15	66.5	20-Sep-24	6:15	62.5
6	19-Sep-24	18:15	68.4	20-Sep-24	7:15	63.6
7	19-Sep-24	19:15	69.3	20-Sep-24	8:15	65.7
8	19-Sep-24	20:15	70.1	20-Sep-24	9:15	67.1
9	19-Sep-24	21:15	67.2	20-Sep-24	10:15	68
10	19-Sep-24	22:15	65.5	20-Sep-24	11:15	66.5
11	19-Sep-24	23:15	64.6	20-Sep-24	12:15	69.4
12	20-Sep-24	0:15	62.7			
13	20-Sep-24	1:15	61.8			
		Day Time L _{MAX}	71.3		Night Time L _{MAX}	65.5
		Day Time L _{MIN}	62.5		Night Time L _{MIN}	57.3
Average Day Time Leq dB (A)			67.5	Average Night Time Leq dB (A)		61.3

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guideline.

Atul Mandhare

Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:09:06593

Report Issue Date : 23-Sep-24

ULR - TC682024000066284F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 19-Sep-24 To 20-Sep-24

Samling Location : Near IPA Gate

Date of Receipt : 20-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	19-Sep-24	12:20	71.4	20-Sep-24	1:20	58.1
2	19-Sep-24	13:20	70.1	20-Sep-24	2:20	56.7
3	19-Sep-24	14:20	69.2	20-Sep-24	3:20	53.2
4	19-Sep-24	15:20	68.5	20-Sep-24	4:20	57.8
5	19-Sep-24	16:20	65.4	20-Sep-24	5:20	58.9
6	19-Sep-24	17:20	63.1	20-Sep-24	6:20	62.1
7	19-Sep-24	18:20	60.2	20-Sep-24	7:20	64.3
8	19-Sep-24	19:20	58.9	20-Sep-24	8:20	65.5
9	19-Sep-24	20:20	62.8	20-Sep-24	9:20	68
10	19-Sep-24	21:20	61.7	20-Sep-24	10:20	69.9
11	19-Sep-24	22:20	59.3	20-Sep-24	11:20	70.1
12	19-Sep-24	23:20	63.1			
13	20-Sep-24	0:20	57.8			
		Day Time L _{MAX}	71.4		Night Time L _{MAX}	63.1
		Day Time L _{MIN}	58.9		Night Time L _{MIN}	53.2
Average Day Time Leq dB (A)			65.7	Average Night Time Leq dB (A)		58.1

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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info@equinoxlab.com

Laboratories At: Mumbai, Bengaluru, Hyderabad, Noida, Kolkata, Chennai

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:09:06596

Report Issue Date : 23-Sep-24

ULR - TC682024000066269F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 18-Sep-24 To 19-Sep-24

Samling Location : Near Acid Tank Area

Date of Receipt : 19-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)
1	18-Sep-24	16:07	67.9	19-Sep-24	5:07	54.3
2	18-Sep-24	17:07	68.8	19-Sep-24	6:07	56.2
3	18-Sep-24	18:07	65.4	19-Sep-24	7:07	57
4	18-Sep-24	19:07	63.2	19-Sep-24	8:07	58.9
5	18-Sep-24	20:07	62.1	19-Sep-24	9:07	60.3
6	18-Sep-24	21:07	61.9	19-Sep-24	10:07	66.2
7	18-Sep-24	22:07	63.2	19-Sep-24	11:07	66.9
8	18-Sep-24	23:07	58.3	19-Sep-24	12:07	63.2
9	19-Sep-24	0:07	55.4	19-Sep-24	13:07	65.4
10	19-Sep-24	1:07	56.3	19-Sep-24	14:07	63.2
11	19-Sep-24	2:07	54.2	19-Sep-24	15:07	68.3
12	19-Sep-24	3:07	50.9			
13	19-Sep-24	4:07	53.2			
		Day Time L _{MAX}	68.8		Night Time L _{MAX}	63.2
		Day Time L _{MIN}	57		Night Time L _{MIN}	50.9
Average Day Time Leq dB (A)			63.4	Average Night Time Leq dB (A)		55.7

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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EQUINOX TEST REPORT

Report Issue Date : 23-Sep-24

Reference Number : EQNX:001:LAB:N:24:09:06597

ULR - TC682024000066270F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited

Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.

Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00

Date of Sampling : 18-Sep-24 To 19-Sep-24

Samling Location : Near Methenol Gate

Date of Receipt : 19-Sep-24

Sample Description : Ambient Noise Measurement

Sampling Duration : 24 Hrs

Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	18-Sep-24	16:40	61.3	19-Sep-24	5:40	50.4	
2	18-Sep-24	17:40	60.6	19-Sep-24	6:40	55.4	
3	18-Sep-24	18:40	67.8	19-Sep-24	7:40	56.3	
4	18-Sep-24	19:40	65.4	19-Sep-24	8:40	58.3	
5	18-Sep-24	20:40	66.2	19-Sep-24	9:40	60.9	
6	18-Sep-24	21:40	61.2	19-Sep-24	10:40	62.5	
7	18-Sep-24	22:40	58.3	19-Sep-24	11:40	63.6	
8	18-Sep-24	23:40	56.4	19-Sep-24	12:40	66.3	
9	19-Sep-24	0:40	55.2	19-Sep-24	13:40	67.2	
10	19-Sep-24	1:40	53.1	19-Sep-24	14:40	64.9	
11	19-Sep-24	2:40	56.9	19-Sep-24	15:40	61.8	
12	19-Sep-24	3:40	54.3				
13	19-Sep-24	4:40	51.9				
		Day Time L _{MAX}	67.8			Night Time L _{MAX}	58.3
		Day Time L _{MIN}	55.4			Night Time L _{MIN}	50.4
Average Day Time Leq dB (A)			62.4	Average Night Time Leq dB (A)			54.6

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



TC-6820



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info@equinoxlab.com

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EQUINOX TEST REPORT

Reference Number : EQNX:001:LAB:N:24:09:06691

Report Issue Date : 24-Sep-24
ULR - TC682024000066819F

INFORMATION PROVIDED BY CUSTOMER

Client Name : M/s Deepak Fertilizers & Petrochemicals Corporation Limited
Address : Plot Nos. K-1 Part 1, K-2, K-3, K-4, K-5 & K-6, MIDC Taloja, Tal.Panvel, Dist. Raigad.
Contact Person : Madan Popeta

PARTICULARS OF SAMPLE ANALYSED

Sampling Protocol : SOP-ENV-20-00 Date of Sampling : 20-Sep-24 To 21-Sep-24
Sampling Location : Near Main Gate K-6 Plant Date of Receipt : 21-Sep-24
Sample Description : Ambient Noise Measurement Sampling Duration : 24 Hrs
Lateral Distance : 1.5 Meter from Ground Level

RESULTS OF ANALYSIS

Discipline : Chemical

Group : Atmospheric Pollution

Sr. No.	Date	Time	Leq dB (A)	Date	Time	Leq dB (A)	
1	20-Sep-24	14:45	64.5	21-Sep-24	3:45	62.4	
2	20-Sep-24	15:45	66.1	21-Sep-24	4:45	62.1	
3	20-Sep-24	16:45	63.9	21-Sep-24	5:45	61.7	
4	20-Sep-24	17:45	66.3	21-Sep-24	6:45	60.5	
5	20-Sep-24	18:45	64.8	21-Sep-24	7:45	59.3	
6	20-Sep-24	19:45	63.3	21-Sep-24	8:45	62.4	
7	20-Sep-24	20:45	63.7	21-Sep-24	9:45	60.2	
8	20-Sep-24	21:45	62.5	21-Sep-24	10:45	61.8	
9	20-Sep-24	22:45	60.2	21-Sep-24	11:45	59.7	
10	20-Sep-24	23:45	58.4	21-Sep-24	12:45	62.7	
11	21-Sep-24	0:45	59.3	21-Sep-24	13:45	63.3	
12	21-Sep-24	1:45	60.8				
13	21-Sep-24	2:45	60.5				
		Day Time L _{MAX}	66.3			Night Time L _{MAX}	62.4
		Day Time L _{MIN}	59.3			Night Time L _{MIN}	58.4
Average Day Time Leq dB (A)			62.8	Average Night Time Leq dB (A)			60.7

Note - Central Pollution Control Board (CPCB) has prescribed 75 dB(A) as a upper limit of noise level during Day Time (06:00 AM to 10:00 PM) & 70 dB(A) during night time (10:00 PM to 06:00 AM).

Remark - The Above Results Found Satisfactory as per CPCB Guidline.


Assistant Manager - Air
(Authorised Signatory)
Mr. Atul Mandhare



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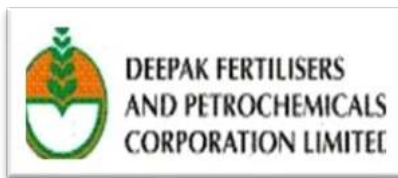
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Deepak Fertilizers and Petrochemicals Corporation Ltd, Mahadhan Agritech Limited Taloja Performance Chemiserve Limited CSR Report 2024-2025 Half Yearly

Introduction:

As a true corporate citizen, DFPCL and its subsidiaries are committed to social thought and action, resolute in their dedication to serving the society they live in. The companies have been engaged in community work through the “**Ishanya Foundation**” in **Taloja and Pune, Maharashtra**.

The CSR arm of Deepak Fertilisers and Petrochemicals Corporation Limited (DFPCL) and its group companies (**MAL & PCL**), ***Ishanya Foundation (IsFon)***, is a registered NGO under the provisions of the **Bombay Public Trust Act, 1950**.

DFPCL and its group companies have always considered their surrounding communities as important stakeholders in their business and are committed to contributing towards improving their quality of life through various measures. Projects are being implemented in 63 villages/hamlets at Taloja Rural and urban areas of Pune.

VISION

The CSR Policy will act as an effective catalyst in Company's geographies of operations in creating a self-reliant and respectable society with secure and sustained means to livelihood, through employable skills and resource support and additionally to promote and support the rich cultural heritage of India.

MISSION

The mission for the identified society at large, in geographies of DFPCL's and its Group companies' (MAL, PCL) operations and influence, shall be:

- To identify the potential of and gaps in the economic and social support systems, so as to help develop a sustained, self-reliant society with special emphasis on the youth, women & marginal farmers.
- To undertake vocational skills and soft skill development initiatives enabling sustained and respectable employment opportunities for leading a self-reliant life
- To facilitate income generation programs of individuals / groups through alignment of skill development with self-employment opportunities
- To provide marketing and financial support to help enhance sustained income generation initiatives
- To generate community development activities and promote self-help groups so as to improve the living conditions of people through peoples' initiatives.
- To initiate activities and develop government / institutional linkages in community preventive / corrective health facilities where needed
- To undertake farmer skill building, soil / nutrient / agri-inputs / produce enhancement initiatives

- To support performing arts among local communities for promotion of talent & cultural richness of society.
- To provide a much-needed crisis support for unexpected calamities and disasters
- To co-ordinate / conduct any other CSR initiatives which are consistent with the provisions of Section 135 of the Companies Act, 2013 or other provisions as may be prescribed by the government from time to time.

Under CSR initiatives projects and activities are being implemented:

DFPCL and its group companies are implementing need-based activities in more than 63 hamlets and villages of New Panvel and urban areas of Pune through the Ishanya Foundation.

Agri Based Livelihood

- Horticulture Plantation (Mango)
- Promotion of Vegetables crops
- Promotion of Floriculture
- Farmers Capacity Building

Dairy Service Centre Project

- Cattle Induction
- Door-step health services for cattle
- Artificial Insemination
- Fodder Development
- Vaccination
- Farmers Capacity Building

Vocational Skill Development Project

- Sponsorship to Diploma in ophthalmology Students
- Tailoring Training
- Soft skill training

Aarogyam Project

- Mobile Medicine Unit
- Eye camp
- Infrastructure Development for Health facility/ Health Centres
- Pathology lab

Gyanam Project

- Infrastructure development for School
- Digitization of School Classrooms
- Create Facility
- Career Guidance Seminars

Livelihood Enhancement Through Entrepreneurship Development (LEED)

- Yellow Ribbon NGO & Artisan Fair
- Muskan
- Support for Income Generation Activity

Community Development And Social Welfare Project

- Infrastructure development and Need based activity.
- 1000 LPH RO unit installation for Kolwadi
- Open Gym at Valap and Shirvali

1. Agri Based Livelihood:

The Ishanya Foundation has been actively involved in the Agri-Based Livelihood project (Wadi) from March 2012 to March 2024 in tribal areas. Earlier, Isfon was implementing the Wadi model on half an acre of land. However, nowadays, land is being divided day by day, leading to smaller land holdings per farmer. Farmers are now seeking alternatives to generate more income from less land. As a result, Isfon has planned to demonstrate high-density mango plantation on a 5-acre area within the existing Agri-Based Livelihood project area. ***The transition from the traditional Agri Based Livelihood model (plantation of 30 mango plants on half-acre area) to High Density Plantation (plantation of 50 mango plants on 5R area) reflects a forward-thinking approach.***

The significance of this shift:

1. High Density Plantation (HDP):

- HDP involves planting trees or crops at higher densities within a given area.
- The goal is to maximize yield, optimize land use, and enhance productivity.
- By planting more trees or crops per unit area, farmers can achieve better resource utilization.

2. Benefits of High-Density Plantation:

- Increased Yield: HDP often results in higher yields due to efficient space utilization.
- Resource Efficiency: It minimizes wastage of land and resources.
- Early Harvest: Trees or crops mature faster in HDP systems.
- Better Pest Management: Dense planting can deter pests and diseases.
- Improved Income: Higher yields translate to better income for farmers.

Under this project we have targeted 18 villages those have tribal population.

As per new amendment in CSR act ongoing project should not be more than 04 years (including year of inception). Therefore, we have taken Agri Based Livelihood project under annual project.

Major Achievements:

Sr. N.	Activity	Unit	HY-Achi	Remarks
A	Horticulture Plantation			
	Facilitation to existing wadi Beneficiaries	Nos. of Wadi	380	Support for Mango sale / Collected Mortality Data: 93.81 % Survival / Wadi Meetings / Kisan Melava
B	High Density Mango Wadi			
1	Layout, Pit Digging/Filling, Basal dose application		25	25 beneficiaries completed activities as per plan.
2	ACR for Digging of 55 pits for Mango and Refilling of pits with basal dose		25	25 beneficiaries completed activities as per plan.
3	Mango Grafts Support (Per Wadi 60 Grafts)		25	25 beneficiaries completed the plantation as per plan.
4	Plant Nutrition Support		25	Distributed fertilizers and applied to the mango plants.
5	Hand Tools (Secateurs)		25	
C	Development of Model /Trial Plot			
	Fruit crop trail Plot (Apple-2, Avocado-1, Cashew-2)	No. of Plots	2	Cashew Plot : 02 plantation done Apple and Avocado Plot: Planned in Oct 24
	Mango graft nursery	No. of Grafts	7850	Mango Graft Prepared:7850 Sold during the QTR: 3620 (₹ 74210).
	Vegetable seedlings Nursery (40000 nos)	No of Seedlings	17100	Total Seedling Prepared: 17100 Nos. Own use: 5500 Seedlings

D	Capacity Building			
1	External Exposure for Mango Graft nursery- 07 beneficiaries	No. of Events	1	Date: 15/16 July 2024 Location: Lachakadi Gujrat state. Total Beneficiaries: 07 Nos.
2	External Exposure for Vegetable nursery- 07 beneficiaries		1	Date: 5 Oct 24/ 31 May 24 Location: Pune/ Harsul, Nasik Block Total beneficiaries: 07 Nos / 16 Nos
3	External Exposure for High Density Plantation for 14 beneficiaries		1	Date: 31 May 24 Location: Harsul, Nasik Block Total beneficiaries: 16 Nos
4	Village Meetings		63	Total Beneficiaries: 490 Nos
5	Kisan Melava		1	Date: 7 th Jun 2024 Subject: Best management practices of HDP wadi and Pest Disease Management on Vegetable crop. No of attend: M – 40, F – 12

WADI PROJECT

Market linkages for Mango Sell 2024-25



Given Training to Aspirants for Harvesting and Packaging of Mangoes

IsFon Pune: Booking of mangoes over phone.

DFPCL K1: Taken advance booking from employees.

Organised Stall at K1



Number of wadi started fruiting	No of Plants started Fruiting	Yield (Kg)	Sold - Local Market / Trader	Home consumption	Income in Rs.
310	3202	25,299	15,230	10,069	21,67,550





2. Dairy Service Centre Project

Dairy is an important subsidiary source of income for small/marginal and agricultural laborers in rural areas. The manure from animals provides good sources of organic matter to improve soil fertility and crop yield. The surplus fodder and agricultural by products are gainfully utilized for feeding the animals. Since agriculture is mostly seasonal, there is possibility of finding employment throughout year for many women through dairy farming. Thus, dairy also provides employment throughout the year.

This rural initiative addresses small / marginalized / landless farmers and labourers and aims to enhance dairy farming productivity. Aspirants for this project are selected with due diligence based on set criteria.

- Eligible women of farmer's household are supported with cow
- Provides an opportunity for the farmers to earn about Rs.8,000/- to 12,000/- per month through the sale of milk and cow dung.
- Assistance in the development of fodder plots
- Doorstep services of artificial insemination followed by pregnancy diagnosis of cows and buffaloes.

Major Achievements:

S N	Activity	Unit	HY- Achi	Remarks
A	Support for Dairy Enterprise			
1	Purchase of Cows	No. of Families	05	Date-20.7.24, Cows purchased from Kashti Market
2	Support for Calf Grower- 50 kg/Bag	No. of Calf	150	
B	Capacity Building			
1	Training on livestock management to each new cow batch (5 Aspirants/batch)	Nos. No. of Visit	1	Conducted one training
2	Expert Visit to critical cows		1	Veterinary Expert visit organized for further guidance to the dairy participants.
3	Internal Exposure		1	Conducted Exposure visit at Ideal Dairy Farm
4	Training on livestock management, Feed & Fodder		1	Date: 3 rd July 24 Location: Pale Office Total Beneficiaries: 29 (M-17 + F-12)
C	Fodder Development			
1	Azolla	Nos.	3	Developed 3 Demo
D	Artificial Insemination			
1	Artificial Insemination	Nos	456	
2	Calving	Nos	165	(Male-84, Female-81)
S. N.	Particulars	Cow Milk (Lit.)	Milk Yield Calf (Lit)	Total Milk (Lit)
A	Milk Production			
1	Milk Consumed at home	10235	3040	13275
2	Milk Consumed by Calf	11005	4200	15205
3	Milk sold in the Market	61160	21320	82480
	Total Milk Production	82400	28560	110960
	Additional Income through sale of Milk	₹ 2996050	₹ 1048800	₹ 4044850
B	Additional output: Cow Dung Produced _ MT	16.28	6.42	22.7



3. Vocational Skill Development Programme:

Skill enhancement through various training programs such as Tailoring courses and Optometry courses were initiated by IsFon. These activities created a positive impact on the aspirants, by providing them financial stability and inclusivity within the community.

Major Achievements:

Sr. N.	Activity	Unit	HY-Achi	Remarks
1	Sponsorship for BSc. Optometry (Laxmi College of Optometry, Panvel)- IInd Yr-01 +IIIrd Yr- 03	No. of Students	4	Supported to four students Rs.2.72 Lakh.
2	Tailoring Course Pale Kh. Centre	Nos of Aspirants	16	<ul style="list-style-type: none">• 16 Aspirants Completed Course• 3 Aspirants Drop Out• 13 aspirant's ongoing course



4. Aarogyam Project:

IsFon aims to improve the health status and thereby develop a healthy society by improving quality of life of the vulnerable populations in and around Pune city and the villages of Taloja MIDC through preventive health care services. This holistic health objective is woven around proactive diagnosis and care with the following objectives:

- To assess and diagnose the health needs of individuals, families and communities as well as providing comprehensive care
- To provide qualitative, preventive and curative health care to the community
- To provide doorstep healthcare services through Mobile Clinic
- Increase the focus on health promotion and prevention, screening and early intervention
- To improve access to health care services

- Reduce medical expenses and early detection of diseases of the needy through early diagnosis
- To conduct health awareness programs
- Support during the pandemic

Major Achievements:

S. N.	Activity	Unit	HY-Achi	Remarks
1	Mobile Clinic	Nos. Patients	12830	Doorstep health services provided to 12834 patients through mobile clinic from 40+ villages in and around Taloja MIDC.
2	Eye Check Up Camp	Nos	5	A total of 840 patients were examined. Out of that 160 patients have been detected having cataract and 246 detected having vision problem.
i	Cataract Surgery	Nos	88	88 Patients Cataract surgeries have been done.
ii	Spectacle Distribution	Nos	246	Spectacle distributed to 246 patients.
iv	School Screening camp for Eye Check up	Nos	1	Camps Organized at RZP School Khedukpada, Pale Kh, Chindran, Tal. Panvel. In this camp total 183 Students examined.
3	Path Lab (Sample Collection Centre)	Nos	223	Extended support for diagnostics of blood/urine samples as per doctor's recommendation.
4	Food Kit Support for TB Patients in Taloja	Nos	200	Distributed nutritional food kit to 200 TB patients.
5	Skin Camp	Nos	02	Location: Dongryachapada Village Total Patients: 246 patients
6	Safety Grill & Door for Tondre Aanganwadi	Nos	1	Work Complete as per BOQ and design

EYE CHECK UP CAMPS





5. Livelihood Enhancement through Entrepreneurship Development (LEED)

Although several aspirants dream of having their own business or expanding their existing business, they face many stumbling blocks and find it challenging to do so due to poor entrepreneurial capabilities, unavailability of information and access to markets as well as lack of finances to purchase related equipment's. This adversely affects their socio-economic conditions.

Our Entrepreneurship program offers them help to start and expand a business idea. The programme seeks to enhance skills and knowledge to empower entrepreneurs to run small businesses through various initiatives.

- High-end sewing machines were given to beneficiaries to help them stitch faster with good finishing.

- Support of parlor chairs and two-in-one steamer were given to the beneficiaries to help them to start their own parlor.
- Hand carts were given to small vegetable and fruit vendors who were selling on the streets to start their own business.

Major Achievements:

Sr. N.	Activity	Unit	HY-Achi	Remarks
1	Support to Individuals towards Enhancing Entrepreneurship	Nos	5	Provided various types of tools and equipment for strengthening their existing businesses.
2	Yellow Ribbon NGP Fair at Pune	Nos.	1	Organized Yellow Ribbon NGO pair at Ishanya Mall, Yeravda, Pune from 26 th Sep to 1 Oct 2024

Livelihood Enhancement through Entrepreneurship Development (LEED) _ Case Study



Project: LEED _ Support for VC Cooler

Support Year: 2023-24

Name of Aspirant : Mr. Dattatrey Baban Bhagat
Village : Bhalyachiwadi Taluka: Panvel, District: Raigad.
Support of : VC Cooler for Grocery and vegetables shop.
Support Amount : ₹ 37000/- (₹ 25,000/- grant form IsFon)

Family Profile : Dattatrey and Sunita live in an interior tribal village.
Earlier income source : Sale of Grocery and General shop material
Present income source : Grocery and general shop material, additionally selling vegetables and cold drinks.

Land : landless

Before intervention daily income ₹ 200.00

After intervention daily income: ₹ 300.00



क्षयरूग्णांना पोषण आहाराचे वाटप



घनवेल : दिपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स कॉर्पोरेशन व ई फाऊंडेशन यांच्यावतीने महानगरपालिकेच्या माध्यमातून क्षयरूग्ण पोषण आहार वाटप पनवेल, दि. २ : प्रधानमंत्री क्षयरोग मुक्त भारत अभियानांतर्गत घनवेल महानगरपालिकेने केलेल्या आवाहनाला प्रतिसाद देत सोमवार दि. ०२ सप्टेंबर रोजी कळंबोली नागरी प्राथी आरोग्य केंद्र-४ याठिकाणी क्षयरूग्णांना दिपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स कॉर्पोरेशन व ईशान्य फाऊंडेशन यांच्यावतीने महापालिकेच्या माध्यमातून पोषण आहार किटचे वाटप करण्यात आले. यावेळी दिपक फर्टिलायझर्स प्रकल्प प्रमुख दिनेश प्रताप सिं मुख् वैद्यकीय अधिकारी डॉ. आनंद गोसावी, दिपक फर्टिलायझर्स सोल्युशन्स फंडाचे सहाय्यक व्यवस्थापक उपस्थित होते.



पुण्य नगरी



१. पापेडेल : प्रधानमंत्री क्षयरोग मुक्त भारत अभियानांतर्गत पनवेल महानगरपालिकेने केलेल्या आवाहनाला प्रतिसाद देत सोमवार दि. ०२ सप्टेंबर रोजी कळंबोली नागरी प्राथी आरोग्य केंद्र-४ याठिकाणी क्षयरूग्णांना दिपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स कॉर्पोरेशन व ईशान्य फाऊंडेशन यांच्यावतीने महापालिकेच्या माध्यमातून पोषण आहार किटचे वाटप करण्यात आले. यावेळी दिपक फर्टिलायझर्स प्रकल्प प्रमुख दिनेश प्रताप सिं मुख् वैद्यकीय अधिकारी डॉ. आनंद गोसावी, दिपक फर्टिलायझर्स सोल्युशन्स फंडाचे सहाय्यक व्यवस्थापक उपस्थित होते.

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दिपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स कॉर्पोरेशन व ईशान्य फाऊंडेशन यांच्यावतीने महानगरपालिकेच्या माध्यमातून क्षयरूग्णांना पोषण आहार वाटप



१. पापेडेल : प्रधानमंत्री क्षयरोग मुक्त भारत अभियानांतर्गत पनवेल महानगरपालिकेने केलेल्या आवाहनाला प्रतिसाद देत सोमवार दि. ०२ सप्टेंबर रोजी कळंबोली नागरी प्राथी आरोग्य केंद्र-४ याठिकाणी क्षयरूग्णांना दिपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स कॉर्पोरेशन व ईशान्य फाऊंडेशन यांच्यावतीने महापालिकेच्या माध्यमातून पोषण आहार किटचे वाटप करण्यात आले. यावेळी दिपक फर्टिलायझर्स प्रकल्प प्रमुख दिनेश प्रताप सिं मुख् वैद्यकीय अधिकारी डॉ. आनंद गोसावी, दिपक फर्टिलायझर्स सोल्युशन्स फंडाचे सहाय्यक व्यवस्थापक उपस्थित होते.

टिलायझर्स व ईशान्य फाऊंडेशनतर्फे माध्यमातून क्षयरूग्णांना पोषण आहार वाटप



१. पापेडेल : प्रधानमंत्री क्षयरोग मुक्त भारत अभियानांतर्गत पनवेल महानगरपालिकेने केलेल्या आवाहनाला प्रतिसाद देत सोमवार दि. ०२ सप्टेंबर रोजी कळंबोली नागरी प्राथी आरोग्य केंद्र-४ याठिकाणी क्षयरूग्णांना दिपक फर्टिलायझर्स अँड पेट्रोकेमिकल्स कॉर्पोरेशन व ईशान्य फाऊंडेशन यांच्यावतीने महापालिकेच्या माध्यमातून पोषण आहार किटचे वाटप करण्यात आले. यावेळी दिपक फर्टिलायझर्स प्रकल्प प्रमुख दिनेश प्रताप सिं मुख् वैद्यकीय अधिकारी डॉ. आनंद गोसावी, दिपक फर्टिलायझर्स सोल्युशन्स फंडाचे सहाय्यक व्यवस्थापक उपस्थित होते.

Environment Management Plan (EMP) Cost FY 2024-25		
Sr No.	Particular	Cost (Rs.)
1	Environmental Monitoring (JVS sampling, Third party Moef&cc approved lab environment monitoring (stacks, ambient Air, water (every cooler), waste water, noise).	2050000
2	Maintanance cost of Green Belt.	3014153
3	Chemical consumption cost for effluent treatment	150000
4	OCEMS (Emission & Effluent) system upkeeping	600000
5	Water conservation project through treatment process by ETP upgrdation	1900000
6	Plastic waste recycleing cost	2500000
	Total	10214153