| Your (Half Yearly Compliance Report) has been Submitted with following details | |
|---|---|
| **Proposal No** | IA/GJ/IND3/292526/2022 |
| **Compliance ID** | 1248236254 |
| **Compliance Number(For Tracking)** | EC/M/COMPLIANCE/1248236254/2026 |
| **Reporting Year** | 2026 |
| **Reporting Period** | 01 Dec(01 Apr - 30 Sep) |
| **Submission Date** | 18-11-2026 |
| **RO/SRO Name** | Shri Satya Prakash Negi |
| **RO/SRO Email** | jhk119@ifs.nic.in |
| **State** | GUJARAT |
| **RO/SRO Office Address** | Integrated Regional Offices, Gandhi Nagar |
| **Note:-** SMS and E-Mail has been sent to Shri Satya Prakash Negi, GUJARAT with Notification to Project Proponent. | |

adani

**Ref: MPL/ENV/MoEF&CC/2026 – Nov/03** **Date: 18th Nov, 2026**

**To,**

Shri S.P.Negi, IFS (Addl. Charge)
Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office, Gandhinagar,
"Karmayogi Bhawan", Block-3, F-2 Wing, 5th Floor, Near CH-3 Circle,
Sector-10A, Gandhinagar – 382 010
E-mail : iro.gandhingr-mefcc@gov.in

**Subject:** Six monthly compliance report (April to September, 2026) of Environment Clearance (EC) for the project activities "Caustic Soda–1310 KTPA and Acetylene–860 KTPA plants near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat" by M/s Mundra Petrochem Limited.

**Reference:** 1). EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021- IA-II(I) dated 31/08/2022.
2). F.No.IA-J-11011/149/2021 – IA – II(I) Dated 28/11/2022.
3). Compliance ID: 1228301063, Compliance No.: EC/M/COMPLAINCE/1228301063/2026 Submission Date: 20/05/2026 for the reporting period October, 2025 to March, 2026.

Respected Sir,

With reference to above subject, MoEF&CC vide above refer letter dated 31/08/2022 has granted environment clearance for the project activities "Caustic Soda–1310 KTPA and Acetylene–860 KTPA near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Adani Enterprises Limited". Followed by, MoEF&CC vide above refer letter dated 28/11/2022 has transferred the Environment Clearance on the name of M/s Mundra Petrochem Limited from M/s Adani Enterprises Limited.

The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. We are submitting a soft copy of the six-monthly EC compliance report for the period April to September, 2026 for your ready reference and record please.

We hope you will find the above in order.

Thanking you,
Yours faithfully,

Vinay Kumar Singh
CSO & BU Environment Head

Copy to : 1. Reginal Directorates, CPCB, Vadodara : arvindjha.cpcb@gov.in
2. Member Secretory, GPCB : ms-gpcb@gujarat.gov.in
3. Regional Office, GPCB (Kutch East): ro-gpcb-kute@gujarat.gov.in

Mundra Petrochem Limited
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad 382 421
Gujarat, India
CIN: U23209GJ2021PLC122112

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info@adani.com
www.adani.com

# MUNDRA PETROCHEM LIMITED

## Six Monthly EC Compliance Report

April, 2026 – September, 2026

ENVIRONMENTAL CLEARANCE

FOR

The project activities "Caustic Soda–1310 KTPA and Acetylene–860 KTPA at Mundra, Kutch Gujarat

EC IDENTIFICATION NO. EC22A013GJ127411 DATED 31/08/2022

Mundra Petrochem Limited
Adani Corporate House, Shantigram, Near Vaishnodevi Circle, S G Highway, Ahmedabad-382421, Gujarat

# Mundra Petrochem Limited

## Introduction:

Mundra Petrochem Limited, wholly owned stepdown subsidiary of Adani Enterprises Limited (AEL) intends to setup a PVC Project at Mundra, Kachchh, Gujarat. The overall PVC Production capacity of the proposed project is 2000 KTPA (Kilo Tons Per Annum). PVC grades such as Suspension PVC (Resin), Chlorinated PVC (C-PVC), Mass PVC (bulk) and Emulsion PVC (paste) would be produced at the PVC Project.

For the implementation of this project, various units are proposed to be established, including a Semi-Coke Plant, Calcium Carbide Plant, Acetylene Plant, Caustic Soda (Chlor-Alkali process) Plant, VCM Plant, PVC Plant, Ethylene Glycol Plant, and Clinker & Cement Plant.

PVC produced from the facility will serve the domestic market, thereby reducing reliance on imports. The products and by-products from the plant will be marketed domestically or internationally based on prevailing market conditions.

Ministry of Environment Forest and Climate Change has granted Environment Clearance for proposed project "Poly-Vinyl Chloride (PVC) comprising of IND-I projects i.e. Semi Coke– 2030 KTPA, Cement–6 MTPA; Clinker–4 MTPA, IND-II projects i.e. VCM– 2002 KTPA, PVC– 2000 KTPA, Ethylene Glycol– 400 KTPA and IND-III projects i.e. Acetylene–860 KTPA & Caustic Soda–1310 KTPA) and Calcium Carbide–2900 KTPA (Not Specified in EIA Notification)) in land notified as Industrial area of APSEZ, Ta-Mundra, Dist-Kachchh, Gujarat." vide –

**Industry – I activity:** EC identification no. EC22A009GJ154137 and file no. IA-J-11011/423/2021-IA-II(IND-I) dated 26/09/2022.

**Industry – II activity**: EC Identification No. - EC22A020GJ133762, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022.

**Industry – III activity**: EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022.

As part of the company's long-term business strategy, the proposed project activities have been transferred from M/s Adani Enterprises Limited (AEL) to M/s Mundra Petrochem Limited (MPL). MPL, a wholly owned subsidiary of AEL, was incorporated under the provisions of the Company Act, 2013

to undertake various business activities related to Semi-Coke, Calcium Carbide, Cement & Clinker, VCM, PVC, Ethylene Glycol, Chlor-alkali, acetylene plants, and associated products in a phased manner. Further above granted Environment Clearances have been transferred in the name of M/s Mundra Petrochem Limited (MPL) by Ministry of Environment Forest and Climate Change (MOEFCC) vide their letter no.

1. **Industry – I activity: - File no. IA-J-11011/423/2021-IA-II(IND-I) Dated 23/12/2022.**
2. **Industry – II activity: - File no. J-11011/149/2021-IA-II(I) Dated 27/12/2022.**
3. **Industry – III activity: - File no. IA-J-11011/149/2021-IA-II(I) Dated 28/11/2022.**

Further, the Consent to Establish (CTE) is granted by the Gujarat Pollution Control Board (GPCB)

The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. The latest progress status of site construction activities is attached as **Annexure – I**.

Point wise Compliance of Environmental Clearance for Industrial activity-III- Proposed Caustic Soda – 1310 KTPA and Acetylene–860 KTPA vide EC Identification No: EC22A013GJ127411 File No: IA-J-11011/149/2021-IA-II(I) Date: 31/08/2022 & subsequent EC Transfer vide File no. IA-J-11011/149/2021-IA-II(I) Dated 28/11/2022.

| S. No | Conditions | Status |
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| **A** | **Specific Conditions** | |
| (i) | The Environmental Clearance (EC) is subject to the outcome of the PIL No. 36 of 2022 pending before the Hon'ble High Court of Gujarat. | Noted & agreed with requirement.<br><br>PIL No. 36 of 2022 was last scheduled for hearing on October, 23rd 2026. Currently, the matter remains pending for listing/hearing. A copy of the latest status as per the Hon'ble High Court of Gujarat is attached as **Annexure – II.**<br><br>In the first hearing held on 26th April 2022, the Hon'ble court waived notice against AEL due to compliance with all the provisions of the EIA Notification and applicable office memorandums of MoEF&CC. |
| (ii) | The PP shall develop Greenbelt over an area at least 107.14 ha by planting 2,67,600 number of trees in 5 years from the grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft. In addition to this as committed by the PP, Industry shall deploy a uniform greenbelt of equal width all- round the plant boundary, it will reduce the width of the green belt by 15 to 25 meters on seaward side of the project and will increase the width of the greenbelt on landward side of the project maintaining the total 33% of the greenbelt. The budget earmarked for the plantation shall be ₹ 75 crore and shall be kept in separate account and should be audited annually. The PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year | Noted and shall be complied with the requirements.<br><br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br><br>A phased wise greenbelt development program will be implemented around the plant perimeter, along roads, and in the direction of prevailing winds to enhance the environmental quality of the project area. Species selection will be carried out in consultation with the State Forest Department. Adequate space has been designated for greenbelt development and its long-term maintenance in accordance with statutory norms.<br><br>Tree plantation activities in nearby community villages, including roadside plantations, are being carried out in consultation with the local forest department and Village Panchayat. A copy of the implementation report is enclosed as |

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| | | **Annexure – III** with photographs of the plantation activity. |
| (iii) | A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. As committed PP shall engage CSO, Head Environment, lead Environment at corporate level, EC/CTO wise site environment engineer and Laboratory analytical staff as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year. | Noted and Being Complied with.<br><br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. A separate Environmental Management Cell, staffed with qualified individuals specializing in Environmental Science and Engineering, has been established. The head of the EMC i.e CSO & BU Environment Head reports directly to the CEO according to the company's hierarchy.<br><br>Furthermore, full-fledged environment management cell cum laboratory will also be developed at site for day-to-day environment management including carrying out the environmental monitoring activities as per the operational phase environment management plan. Audited statement for the same will be submitted to Regional office of MoEF&CC before 1st July of every for the activities carried out during previous year once the activities started at the site. |
| (iv) | The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget propose under EMP is ₹ 2874.59 Crore (Capital cost) and ₹ 1494.55 Crore (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year. | Noted and shall be complied with.<br><br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br>The project site has implemented several environmental protection measures and safeguards in line with the EMP, fulfilling relevant regulatory requirements and using the best available technologies inbuilt into the engineering and process design. Additionally, measures such as paving internal roads, sprinkling water on roads and open areas to control dust, enforcing speed limits to reduce airborne particulate matter, and transporting materials in bulkers or under tarpaulin covers were implemented during construction to protect the environment. Report with Photographs of the same is enclosed as **Annexure – IV.** |

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| | | Further, Audited statement for the same will be submitted to Regional office of MoEF&CC before 1st July of every year once the operational activities commence at the site. |
| (v) | The total water requirement (including the existing) will be 2,22,875 KLD that includes desalinated sea water 1,60,053 KLD which will be met from APSEZL Desalination plant and rest will be met form the internal recycling of the water. Project has obtained willingness letter for 220 MLD water supply from APSEZL. The PP should ensure that water utilization should not be above the permissible limit and only after obtaining valid agreement from the Concerned Authority. The PP should submit the details of water abstraction and utilization to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year. In addition to this the PP shall submit the target for reduction of GW utilization to Regional Office of MoEF&CC within a period of one year | Noted and shall be complied with the requirements.<br><br>Remarks- The Seawater Desalination Plant presently supplies the water required for construction activities and will remain the sole water source during project operations. Groundwater is neither being extracted nor proposed to be extracted in the future. Further, this project is based on "Zero Liquid (Effluent) Discharge" concept. So, there will be no untreated water discharge outside the premises. Moreover, possibilities are being explored for optimizing and reducing the water consumption in detailed engineering based on technical feasibility. Also, water conservation initiative will further be explored during operational stage to reduce the OPEX for De-saline water. Details of water received from the Desalination plant and utilization will be furnished to the Regional office of MoEF&CC before 1st July of every year for the activities carried out during the previous year once the operational activities commence at site. No ground water abstraction & utilization is proposed in the project. |
| (vi) | As committed by PP, the tertiary treatment for STP will be operated only when end use of the treated water is required to make-up the water system for toilet flushing and sanitation in the plant | Noted & shall be complied with.<br><br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Modular STPs have been installed for the construction phase and Environment Monitoring report of the same is enclosed as **Annexure – V**. Engineering design of the STPs is in progress for treatment of domestic effluent during operational phase. |

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| (vii) | No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard. | Noted and shall be complied with.<br><br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br>However, banned chemicals/raw materials will not be manufactured or used for manufacturing activities. |
| (viii) | The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard. | Noted and shall be complied with the requirements.<br>Remarks: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. The best available technologies are being adopted as part of process design aiming for carbon emission reductions. Additionally, community plantation activities are being conducted in nearby villages with the goal of developing carbon sequestration resources. Details of community tree plantation are enclosed as **Annexure – III**.<br>Furthermore, the implementation report on various carbon abatement initiatives being considered in project design and engineering shall be submitted to the IRO, MoEF&CC following the successful commissioning of the project. |
| (ix) | The species-specific conservation plan of Schedule-I species shall be implemented within time limit and as per the approval of the Chief Wildlife Warden of the State Government | Noted and being complied with the requirements.<br><br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br><br>Further, activities for the wildlife conservation plan have been completed. The reviewing and maintenance of the plan are being conducted in consultation with the Forest Department, Kachchh, Bhuj. Details of activities performed according to the approved site-specific wildlife conservation/management plan are attached as **Annexure – VI**. |

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| (x) | All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. | Noted and shall be complied with the requirements.<br>Remarks - The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br>However, all necessary precautions will be taken to avoid accidents. Further, onsite / offsite emergency plan / mock drill and mitigation measures as prescribed under the concerned rules and guidelines will be planned and implemented. |
| (xi) | The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out. | Noted and shall be complied with the requirements.<br>Remarks: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. However, Adequate measures will be adopted to control the volatile organic compounds (VOCs) / Fugitive emissions and regular monitoring will be done in this regard once the activities commence at site. |
| (xii) | The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal. | Noted and shall be complied with the requirements.<br>Remarks: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. The proposed project is on concept of a Zero Liquid Discharge (ZLD) system to maximize water reuse and reduce dependence on freshwater resources. Treated water will be utilized for gardening, plantation, dust control, cooling water make-up, and other process requirements. Furthermore, treated sewage from the STP, currently being used for dust suppression during construction activities, will be reused for horticulture and greenbelt development during the operational phase. Further, Environment Monitoring report of the same is enclosed as **Annexure - V.** |
| (xiii) | As already committed by the project proponent, the Effluent (54,254 KLD) will be treated through ETPs, and Zero Liquid Discharge (ZLD) shall be ensured | Noted and shall be complied with the requirements.<br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. The proposed project is on concept of a Zero Liquid Discharge (ZLD) system to maximize water reuse and reduce |

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| | | dependence on freshwater resources. Treated water will be utilized for gardening, plantation, dust control, cooling water make-up, and other process requirements. Furthermore, treated sewage from the STP, currently being used for dust suppression during construction activities, will be reused for horticulture and greenbelt development during the operational phase. Further, the Environment Monitoring report of the same is enclosed as **Annexure - V.** |
| (xiv) | Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises | Noted and shall be complied with the requirements.<br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Necessary OCEMS/CEMS will be installed for applicable parameters as prescribed in CPCB guidelines. These systems will be connected to SPCB and CPCB servers to enable real-time data transfer 24/7 during the operation phase. Further, as this project is on "Zero Liquide Discharge" Concept, real time monitoring system will be installed at the ETP outlet as per CPCB Guideline. |
| (xv) | The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report. | Noted and shall be complied with the requirements.<br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. However, Storage of toxic and hazardous raw materials will be carried out as per the statutory norms. Quantity and days of storage will be submitted to the Regional Office of Ministry and SPCB along with the compliance report once activities started at site. |
| (xvi) | The occupational health center for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection. | Noted and shall be complied with the requirements.<br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Regular health check-up is being done and fitness reports of workers / employees during construction phase are maintained.<br><br>Furthermore, once operations commence, routine occupational health monitoring of |

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| | | employees will be implemented, with all records maintained in accordance with established protocols |
| (xvii) | Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies. | Noted and being complied with.<br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Necessary trainings are being conducted for all employees & contractor manpower on safety and health aspects. Also, specific training on safety & health aspects for handling of chemicals will be provided during operational phase Further, Recommendations for mitigation measures as per various risk assessment studies are being considered in project design, engineering & construction for site implementation. |
| (xviii) | The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms. | Noted and shall be complied with.<br>Remarks - The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. However, Adequate Firefighting system / control measures for possible fire hazards during manufacturing process in material handling will be done as per the norms. |
| (xix) | The solvent management shall be carried out as follows:<br>(a) Reactor shall be connected to chilled brine condenser system.<br>(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.<br>(c) Solvents shall be stored in a separate space specified with all safety measures.<br>(d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.<br>(e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.<br>(f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation. | Noted and shall be complied with the requirements.<br><br>Remarks - The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. |

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| (xx) | The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rainwater in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water. | Noted and shall be complied with the requirements.<br><br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. A comprehensive stormwater drainage system, incorporating adequate settling arrangements, is being developed to effectively manage stormwater runoff. Photographs of the ongoing works are enclosed as **Annexure–I**. In addition, guard ponds will be provided with sufficient capacity to capture and manage the initial flush of stormwater during rainfall events. Further, oil catchers and oil traps will be installed at appropriate locations within the stormwater drainage network to prevent oil and grease contamination and ensure effective stormwater management within the plant premises. |
| (xxi) | The PP shall undertake waste minimization measures as below:<br>(a) Metering and control of quantities of active ingredients to minimize waste;<br>(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.<br>(c) Use of automated filling to minimize spillage.<br>(d) Use of Close Feed system into batch reactors.<br>(e) Venting equipment through vapour recovery system.<br>(f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation. | Noted and shall be complied with the requirements.<br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br>However, the Environmental Management Plan during construction phase with incorporating of waste minimization practices has already been prepared and construction activities are being carried out accordingly. Further, best available practices including suggested measures will be adopted for waste minimization. |
| (xxii) | The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit | Noted and being complied with the requirements.<br><br>Remarks – The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br><br>Best available technologies and EPCM are being considered in the project design for further implementation. |

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| | | Phased implementation of eco-development and community welfare initiatives is being undertaken to improve the region's socio-economic well-being. These activities form part of the Corporate Environmental Responsibility (CER) commitment and are executed in collaboration with local villages and government authorities.<br><br>MPL has continued to strengthen socio-economic across all villages within the project area through CER activities. During the reporting period i.e April – September, 2026, total CER expenditure on various extended activities for community welfare and eco-development has been amounted to INR 333.825 lakhs. Cumulative CER spending up to the end of the September, 2026 stands at approximately INR 2569.727 lakhs, reflecting in line with progress of the project.<br>The details of CER activities implemented during the reporting period along with expenditures are summarized in CER report enclosed as **Annexure – VII**. |
| **B** | **General Condition** | |
| (i) | No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. | Agreed with requirement.<br><br>An application under Para 7 (ii) (c) of the EIA notification vide reference SW/265935/2025 dated 19/11/2025 has been submitted at PARIVESH portal for change in plant configuration during execution of the project as outcome of detailed engineering and process design, without change in production capacity and no increase in pollution load (NIPL) in line with the MoEF&CC notification vide reference S.O. 980(E) 2nd March 2021.<br><br>A certificate of "no increase in the pollution load (NIPL)" for the proposed changes is obtained from the reputed State-Owned Public-Sector agency i.e. M/s Gujarat Industrial and Technical Consultancy Organization Ltd. (GITCO), also a recognized Schedule-I Environmental Auditor by the GPCB. |

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| | | The Acknowledgement copy from the PARIVESH Portal in respect of No change in production capacity and No increase in pollution load (NIPL) for the project proposal under the provisions of para 7(ii) c of EIA Notification and its subsequent amendment S.O.980-(E), dated 2nd March 2021 has been submitted along with last six monthly compliance report vide compliance ID no. 127652950 Dated 27th November, 2025. |
| (ii) | The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts. | Noted and shall be complied with. |
| (iii) | The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment | Noted and being complied with.<br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Energy efficiency measures are being integrated into project design and engineering. High-quality LED lighting equipment will be installed in offices and residential areas for energy conservation and environment betterment. |
| (iv) | The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). | Noted and being complied with.<br><br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br>Additionally, ambient noise quality monitoring (ANQM) is being conducted at designated locations within the project site and surrounding villages by an independent NABL accredited laboratory. The results of the ANQM adhere to the standards specified under the E(P)A Rules, 1986. The Environment Monitoring report is attached as **Annexure – V**. |

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|---|---|---|
| (v) | The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco- developmental measures including community welfare measures in the project area for the overall improvement of the environment | Noted and being complied with the requirements.<br><br>Remarks – The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br>Phased implementation of eco-development and community welfare initiatives is being undertaken to improve the region's socio-economic well-being. These activities form part of the Corporate Environmental Responsibility (CER) commitment and are executed in collaboration with local villages and government authorities.<br>MPL has continued to strengthen socio-economic across all villages within the project area through CER activities. During the reporting period i.e April to September, 2026, total CER expenditure on various extended activities for community welfare and eco-development has been amounted to INR 333.825 lakhs. Cumulative CER spending up to the end of the September, 2026 stands at approximately INR 2569.727 lakhs, reflecting in line with progress of the project<br>The details of CER activities implemented during the reporting period along with expenditures are summarized in CER report enclosed as **Annexure – VII**. |
| (vi) | The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose | Noted and being complied with the requirements.<br><br>Remarks- The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br><br>Adequate funds for EMP / environment management / pollution control measures as part of CAPEX & OPEX have been kept for implementing and complying the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government. |
| (vii) | A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad / Municipal | Complied with.<br>The copies of the Environmental Clearance letter vide our following letter nos. have |

| | | |
|---|---|---|
| | Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. | been submitted to concerned panchayats (all 15 villages) & The Taluka Development Officer (Rural Local Body), The District Development Officer, District Industries Center and the local NGO / trust from whom suggestions / representations received during public hearing and reference Ack. copy of submission is enclosed as **Annexure – VIII.**<br>1. AEL/MPL/ENV/EC/2022-September/02 Dated 02/09/2022.<br>2. AEL/MPL/ENV/EC/2022-September/04 Dated 02/09/2022.<br>3. AEL/MPL/ENV/EC/2022-September/06/01 to 15 Dated 02/09/2022. |
| (viii) | The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company. | As per MoEF&CC Office Memorandum dated 14th June, 2022, Six monthly compliance report of stipulated environment clearance conditions including results of monitored data being uploaded on PARIVESH Portal & company's website i.e https://www.adanienterprises.com. Further, Soft copy of the same being sent to Zonal offices of CPCB and SPCB. |
| (ix) | The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail. | Being Complied.<br><br>Remark: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Moreover, Environmental Statement for the year 2025 – 26 have been submitted to Gujarat Pollution Control Board and IRO, Gandhinagar through vide our letter no. MPL/ENV/GPCB – Form – V/2026 – May/02 dated 08/05/2026 i.e within stipulated time period and same is also available on Company's Website i.e https://www.adanienterprises.com. Copy of the submission is enclosed as **Annexure-IX**. |
| (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 SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two | The advertisement "stating the project has been accorded environmental clearance by MoEF&CC and also displayed on company website" - have been published on following newspapers on 5th September, 2022. (i.e within 7 days of grant of Environmental Clearance).<br>1. Kutch Mitra (Gujarati Language)<br>2.Gujarat Samachar (Gujarati Language) |

| | | |
|---|---|---|
| | local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry | 3.The Times of India (English Language).<br>copy of EC letter and News Papers are also submitted to Regional Office, MoEF&CC, Gandhinagar through vide our letter no. AEL/MPL/ENV/EC/2022 – September/07 dated 06/09/2022. Copy of the same is enclosed as **Annexure – X**. |
| (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. | Noted and complied.<br>The requisite information are being submitted to the authority as part of six monthly EC compliance report.<br><br>Remarks: The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.<br><br>The date of financial closure is 25th April 2024 when MPL signed the financing documents with the lead banks. The commencement of land development including earth work preparation, piling for foundation/construction activities have been initiated after award of consent of establishment (CTE) from the state pollution control board i.e. 13th Dec. 2022 after obtaining necessary environmental clearance from the MoEF&CC. As per schedule, the production/commercial operation of all the proposed units is expected by 1st October 2027. |
| (xii) | This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project. | Noted and agreed with the requirement. |

# Annexures

| Annexure No. | Name |
|---|---|
| I | Progress Status (Photographs) of Site construction activities. |
| II | Status of PIL no 36/2022 |
| III | Tree Plantation Activities. |
| IV | Photographs of Water Sprinkling and APC measures. |
| V | Environment Monitoring Report. |
| VI | Activities as per approved "Wildlife Conservation Plan". |
| VII | CER Activities. |
| VIII | Letter for Submission of EC copy to Concern Local Authorities. |
| IX | e-mail copy of submission of Environment Statement – Form – V. |
| X | Letter for submission of NEWS paper and EC copy to concern authorities. |

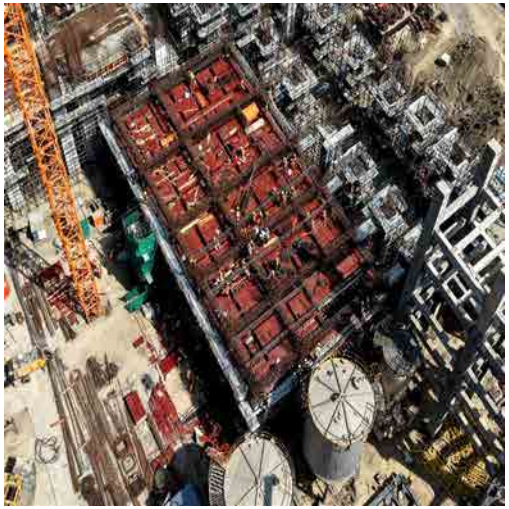
Annexure - I

# Project Status

# PVC Unit

- Suspending Agent & Utilities Train
- Drying Building Train
- Slurry Stripping Area











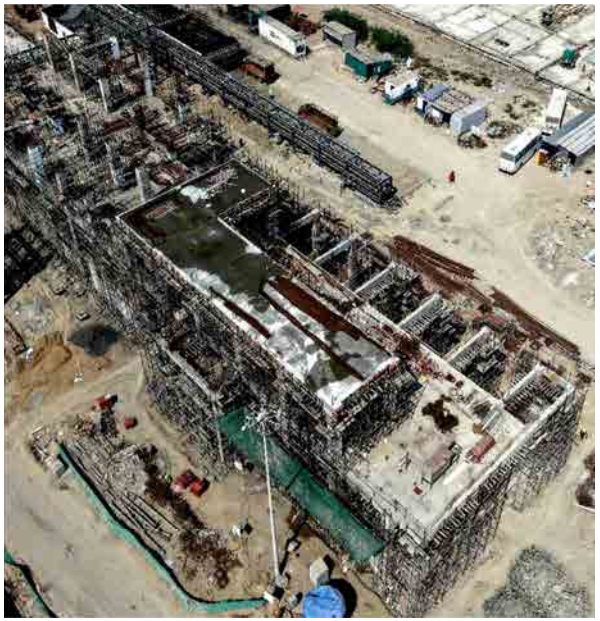


# VCM Unit

- Refrigeration Train 1
- Incinerator Area.
- Acetylene Compression & Drying Area

# Chlor–Alkali Unit

- HCl Synthesis Unit.
- Electrolysis Building
- HCl Synthesis Unit Train 2













# Acetylene Unit

- Filter Press Area.
- LCR Pkt -1B.
- Concentration Tank.

# Calcium Carbide Unit

- Semi Coke Dryer.
- Electrode Shell Manufacture Workshop.
- Furnace Workshop













# Operating & Utilities Systems

- Main Intake Substation.
- Instrument Air & Plant Air for CaC2
- Substation
- ETP Area
- Storm Water Storage Pond





## Annexure - II

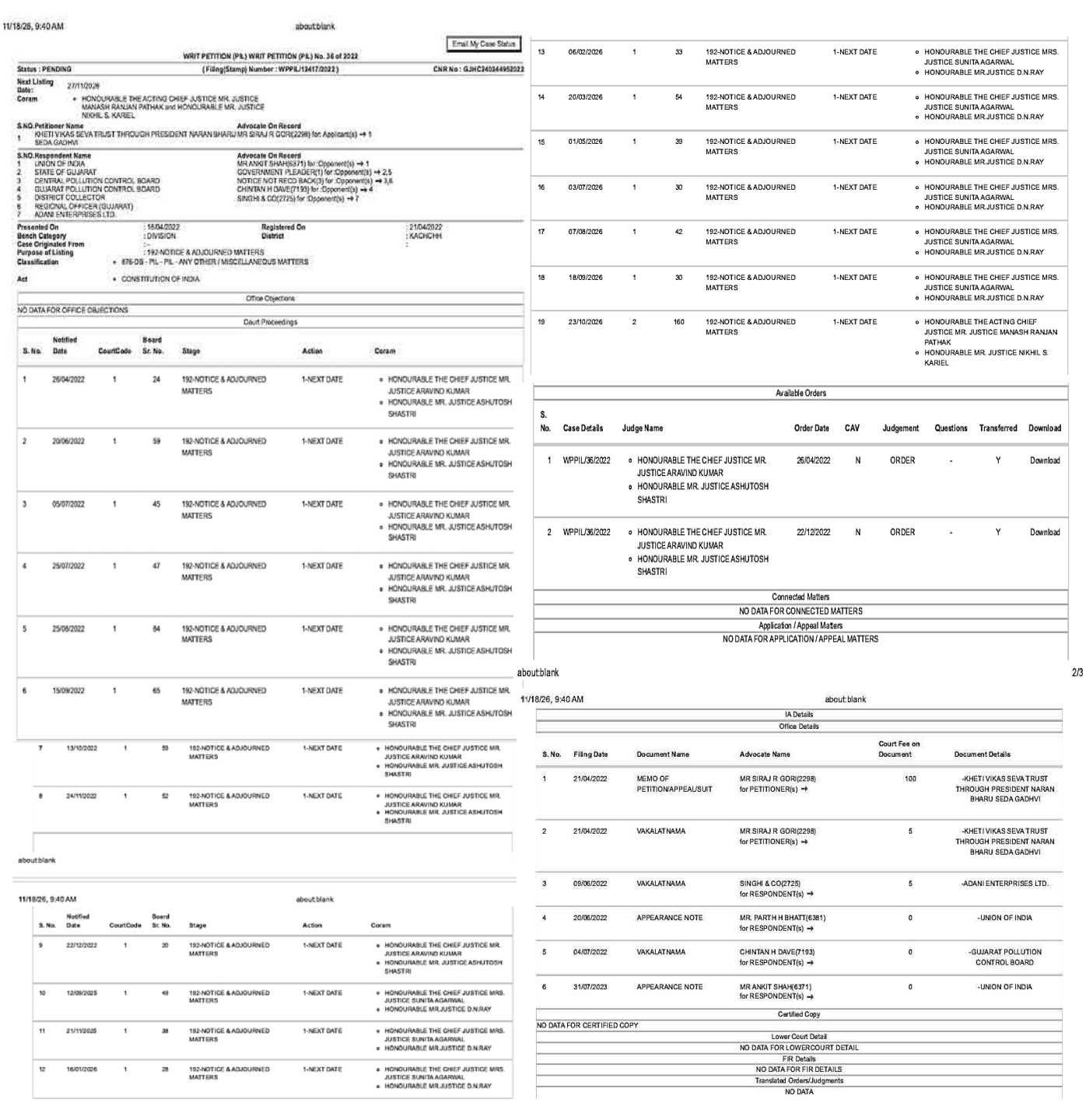
# Status of PIL No. 36/2022

- This PIL NO. 36/2022 was filed by the petitioner (the Kheti Vikas Seva Trust) against Union of India (along with 6 respondents where AEL is one of the party) in Hon'ble Gujarat High Court with a prayer to stay the public hearing for the interlinked project of M/s Adani Enterprises Ltd. (Now transferred to Mundra Petrochem Limited) scheduled for 30th April 2022. In the first hearing on the matter held on 26th April 2022, the Hon'ble court waived notice against AEL and did not order any stay to conduct the public hearing on the scheduled date.

- The public hearing was successfully completed by the Gujarat Pollution Control Board (GPCB) on 30th April 2022 with respect to all the provisions of EIA Notification and applicable office memorandums of MoEF&CC. Subsequently, the project was appraised by MoEF&CC and accorded Environmental Clearance (EC) for the above referred PVC project (interlinked project).

- The PIL matter was last posted for hearing on 23rd October, 2026. Presently the matter is still pending for hearing. A copy of the latest update (as on 18th November, 2026)

- Moreover, all processes related to EIA studies & public hearing for grant of Environment clearance complied with all the provisions of EIA Notification and applicable office memorandums of MoEF&CC.



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Email My Case Status

WRIT PETITION (PIL) WRIT PETITION (PIL) No. 36 of 2022

Status : PENDING (Filing[Stamp] Number : WPPIL/12417/2022) CNR No : GJHC240344952022

Next Listing Date: 27/11/2026

Coram: • HONOURABLE THE ACTING CHIEF JUSTICE MR. JUSTICE MANASH RANJAN PATHAK and HONOURABLE MR. JUSTICE NIKHIL S. KARIEL

| S.NO. | Petitioner Name | Advocate On Record |
|---|---|---|
| 1 | KHETI VIKAS SEVA TRUST THROUGH PRESIDENT NARAN BHARU SEDA GADHVI | MR SIRAJ R GORI(2298) for Applicant(s) ➙ 1 |

| S.NO. | Respondent Name | Advocate On Record |
|---|---|---|
| 1 | UNION OF INDIA | MR ANKIT SHAH(6371) for :Opponent(s) ➙ 1 |
| 2 | STATE OF GUJARAT | GOVERNMENT PLEADER(1) for :Opponent(s) ➙ 2,5 |
| 3 | CENTRAL POLLUTION CONTROL BOARD | NOTICE NOT RECD BACK(3) for :Opponent(s) ➙ 3,6 |
| 4 | GUJARAT POLLUTION CONTROL BOARD | CHINTAN H DAVE(7193) for :Opponent(s) ➙ 4 |
| 5 | DISTRICT COLLECTOR | SINGHI & CO(2725) for :Opponent(s) ➙ 7 |
| 6 | REGIONAL OFFICER (GUJARAT) | |
| 7 | ADANI ENTERPRISES LTD. | |

| | | | |
|---|---|---|---|
| Presented On | : 16/04/2022 | Registered On | : 21/04/2022 |
| Bench Category | : DIVISION | District | : KACHCHH |
| Case Originated From | : - | | : |
| Purpose of Listing | : 192-NOTICE & ADJOURNED MATTERS | | |
| Classification | • 876-DB - PIL - PIL - ANY OTHER / MISCELLANEOUS MATTERS | | |
| Act | • CONSTITUTION OF INDIA | | |

Office Objections

NO DATA FOR OFFICE OBJECTIONS

Court Proceedings

| S. No. | Notified Date | CourtCode | Board Sr. No. | Stage | Action | Coram |
|---|---|---|---|---|---|---|
| 1 | 26/04/2022 | 1 | 24 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 2 | 20/06/2022 | 1 | 59 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 3 | 05/07/2022 | 1 | 45 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 4 | 25/07/2022 | 1 | 47 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 5 | 25/08/2022 | 1 | 64 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 6 | 15/09/2022 | 1 | 65 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 7 | 13/10/2022 | 1 | 59 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 8 | 24/11/2022 | 1 | 52 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |

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| S. No. | Notified Date | CourtCode | Board Sr. No. | Stage | Action | Coram |
|---|---|---|---|---|---|---|
| 9 | 22/12/2022 | 1 | 20 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI |
| 10 | 12/09/2025 | 1 | 49 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 11 | 21/11/2025 | 1 | 38 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 12 | 16/01/2026 | 1 | 28 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 13 | 06/02/2026 | 1 | 33 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 14 | 20/03/2026 | 1 | 54 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 15 | 01/05/2026 | 1 | 39 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 16 | 03/07/2026 | 1 | 30 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 17 | 07/08/2026 | 1 | 42 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 18 | 18/09/2026 | 1 | 30 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL<br>• HONOURABLE MR.JUSTICE D.N.RAY |
| 19 | 23/10/2026 | 2 | 160 | 192-NOTICE & ADJOURNED MATTERS | 1-NEXT DATE | • HONOURABLE THE ACTING CHIEF JUSTICE MR. JUSTICE MANASH RANJAN PATHAK<br>• HONOURABLE MR. JUSTICE NIKHIL S. KARIEL |

Available Orders

| S. No. | Case Details | Judge Name | Order Date | CAV | Judgement | Questions | Transferred | Download |
|---|---|---|---|---|---|---|---|---|
| 1 | WPPIL/36/2022 | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI | 26/04/2022 | N | ORDER | - | Y | Download |
| 2 | WPPIL/36/2022 | • HONOURABLE THE CHIEF JUSTICE MR. JUSTICE ARAVIND KUMAR<br>• HONOURABLE MR. JUSTICE ASHUTOSH SHASTRI | 22/12/2022 | N | ORDER | - | Y | Download |

Connected Matters

NO DATA FOR CONNECTED MATTERS

Application / Appeal Maters

NO DATA FOR APPLICATION / APPEAL MATTERS

about:blank 2/3

11/18/26, 9:40 AM about:blank

IA Details

Office Details

| S. No. | Filing Date | Document Name | Advocate Name | Court Fee on Document | Document Details |
|---|---|---|---|---|---|
| 1 | 21/04/2022 | MEMO OF PETITION/APPEAL/SUIT | MR SIRAJ R GORI(2298) for PETITIONER(s) ➙ | 100 | -KHETI VIKAS SEVA TRUST THROUGH PRESIDENT NARAN BHARU SEDA GADHVI |
| 2 | 21/04/2022 | VAKALATNAMA | MR SIRAJ R GORI(2298) for PETITIONER(s) ➙ | 5 | -KHETI VIKAS SEVA TRUST THROUGH PRESIDENT NARAN BHARU SEDA GADHVI |
| 3 | 09/06/2022 | VAKALATNAMA | SINGHI & CO(2725) for RESPONDENT(s) ➙ | 5 | -ADANI ENTERPRISES LTD. |
| 4 | 20/06/2022 | APPEARANCE NOTE | MR. PARTH H BHATT(6381) for RESPONDENT(s) ➙ | 0 | -UNION OF INDIA |
| 5 | 04/07/2022 | VAKALATNAMA | CHINTAN H DAVE(7193) for RESPONDENT(s) ➙ | 0 | -GUJARAT POLLUTION CONTROL BOARD |
| 6 | 31/07/2023 | APPEARANCE NOTE | MR ANKIT SHAH(6371) for RESPONDENT(s) ➙ | 0 | -UNION OF INDIA |

Certified Copy

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Lower Court Detail

NO DATA FOR LOWERCOURT DETAIL

FIR Details

NO DATA FOR FIR DETAILS

Translated Orders/Judgments

NO DATA

**Annexure - III**

# Tree Plantation Activities




Mundra Petrochem Limited

Controlling soil erosion, maintaining water cycles and providing habitats for wildlife.

Environmental Improvement and balancing life cycles.

Enhancing Public Health and economic advantages.

Reduced surface heat, lower temperature and offer shades through which minimizing heat related illness.

Improving air quality through absorbing carbon dioxide, filtering air pollutants and producing oxygen.

Planting trees is crucial for improving community well-being and tackling global environmental issues. With urban growth on the rise and climate change becoming more pressing, tree plantation provides both immediate and lasting benefits.

It is vital not only for building healthier, stronger communities but also for fighting climate change through carbon capture. By engaging in carbon sequestration, communities can transform their environmental efforts into economic gains, establishing a sustainable cycle that supports both people and the planet.



# Community Tree Plantation for April to September 2026

| Scientific Name of Trees | Local Name of Trees |
|---|---|
| Cordia gharaf (Forsk.) E.&A. | Nana Gunda, Liyar |
| Pithecellobium dulce (Roxb.) Benth. | Goras Aambali |
| Moringa oleifera Lam. | Mitho Saragavo |
| Derris indica (Lam.) Bennet | Karanj |
| Azadirachta indica A. Juss. | Limbado |
| Morus alba L. | Setur |
| Tecomella undulata (Sw.) Seem. | Ragat Rohido |
| Commiphora wightii (Arn.) Bhandari | Gugal |
| Dalbergia sissoo Roxb. | Sisam |
| Zizyphus mauritiana Lam. | Boradi, Mota Bor |
| Albizia lebbeck (L.) Bth. | Kalo Shirish |
| Terminalia arjuna (Roxb.) W. & A. | Arjun Sadad |
| Grewia tiliaefolia Vahl var. tiliaefolia | Falasa |
| Aegle marmelos (L.) Corr. | Bilipatra |
| Cassia fistula L. | Garamalo |
| Cordia dichotoma Forst. | Mota Gunda |
| Holoptelia integrifolia | Kanaji |
| Murraya koenigii (L.) Spr. | Mitho Limado |
| Psidium guajava L. | Jamfal |
| Syzygium cumini | Jambu |
| Tamarindus indica L. | Aamali Khati |
| Butea monosperma (Lam.) Taub. | Kesudo |
| Manilkara zapota (L.) van Royen | Chikku |
| Mimusops elengi L. | Borsali |
| Plumeria rubra L. | Champo |
| Ficus benghalensis L. | Vad |
| Ficus religiosa L. | Pipalo |
| Gmelina arborea L. | Shevan |
| Bauhinia racemosa Lam. | Aasitro |
| Ficus racemosa | Umaro |
| Peltoform | Sonmor |
| Phoenix Sylvestris & Phoenix dactylifera | Kharek |
| Coconut/ Cocos Nucifera | Naliyer |
| Delonix Regia | Gulmahor |
| Mangifera Indica | Aam |
| Millingtonia Hortensis | Neem Chameli |
| Cassia Siamea | Kasid |
| Adhatoda zeylanica Medic | Aradusi |

| Village | Location | Numbers of Trees | Area (Acre) | Method used | Survival Rate |
|---|---|---|---|---|---|
| Mota Kandagara | 22°51'6.818"N 69°31'54.436"E | 6660 | 2 | Miyawaki Forest | ≥98% |
| **Total** | | **6660** | **2** | | |



Local Species of Trees / fruit bearing trees have been selected in consultation with Local Forest Department.

M/s Yash Green & M/s Royal Enterprises as an expert agency have been engaged to execute tree plantation activities followed by two-year maintenance.

Drip-Irrigation System were used at each locations for effective and uninterrupted use of water.

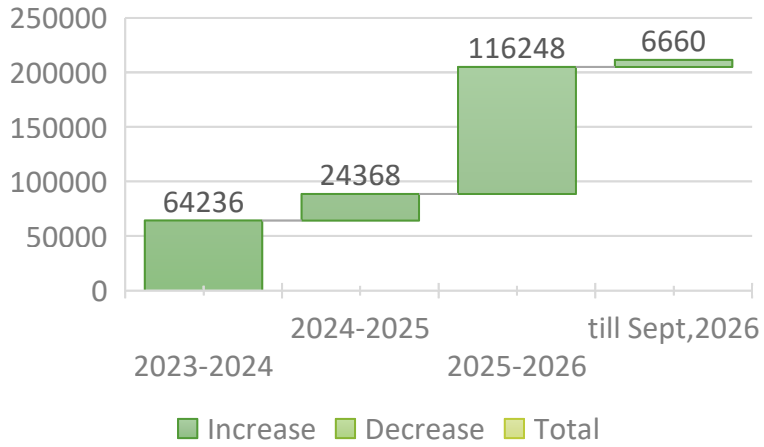


# Cumulative Tree Plantation till the September, 2026

| Village | Location | Numbers of Trees | Area (Acre) | Method used | Survival Rate |
|---|---|---|---|---|---|
| Navinal | 22°50'9.00"N 69°35'25.96"E (& around area) | 1100 | 15 | Urbon – Block Plantation in a raw | ≥99% |
| Deshalpar | 22°55'4.37"N 69°35'19.43"E (& around area) | 12500 | 15 | Urbon – Block Plantation in a raw | ≥99% |
| Zarpara | 22°50'13.38"N 69°37'32.64"E (& around area) | 11700 | 5 | Miyawaki Forest | ≥98% |
| Borana | 22° 50' 53.08" N 69° 40' 14.69"E | 14000 | 6 | Miyawaki Forest | ≥98% |
| Tunda | 22°49'52.11"N 69°32'38.10"E | 10000 | 10 | Miyawaki Forest | ≥98% |
| Badiya to Tunda Road | 22°49'58.01"N 69°31'21.27"E | 300 | 2 | Urbon – Block Plantation in a raw | ≥98% |
| Nani Khakhar | 22° 52' 47.19" N, 69° 31' 21.73" E (& around area) | 15068 | 8 | Miyawaki Forest | ≥98% |
| Moti Khakhar | 22°52'38.48"N 69°33'14.36"E | 6000 | 4 | Miyawaki Forest | ≥98% |
| Mota Kandagara | 22°51'4.58"N 69°31'54.86"E (& around area) | 12660 | 6 | Miyawaki Forest | ≥98% |
| Fruit bearing trees through Farmers | Mundra & Mandavi Taluka | 128184 | 128 | Urbon – Block Plantation in a raw | ≥98% |
| **Total** | | **211512** | **199** | | |

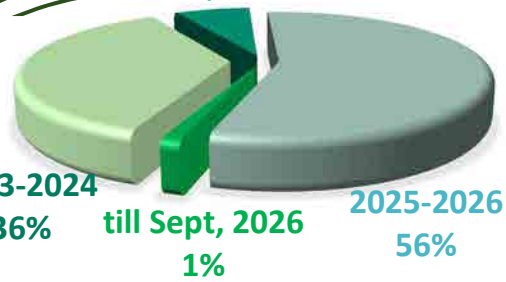


## NUMBER OF TREES






## AREA (ACRE)




**~895 $tCO_2e$ (up to 5 years)**

**~3770 $tCO_2e$ (for ≥5 years)**



**CARBON SEQUESTRATION**



M/s Manav Seva Trust, M/s Yash Green and M/s Royal Enterprises as an expert agencies have been engaged to execute tree plantation activities followed by two-year maintenance at each locations.



Farmers have been facilitated through fruit-bearing trees to enhance their economic well-being. This creates a win-win scenario—fulfilling farmers' needs while increasing carbon sequestration in the region.

# Photographs of Tree plantation activities at community area












**Mota Kandagara**

# World Environment Day, 2026 Celebration at Village Tunda.
# Tree Plantation activities under "Ek Ped Maa Ke Naam"











# Annexure - IV




## Air Pollution Controlling Measures during Construction phase

Mundra Petrochem Limited has prepared and implemented an Environmental Management Plan for construction phase vide internal documentation no. MG000-HSE-000-BD-7002 Dated 21.03.2024 with incorporating the Air Pollution Controlling Measures during construction activities. The PVC project is on edge of completion for the final detailed engineering and procurement. Simultaneously, construction activities are progressing at the site.




**Air Quality**

- Traffic congestion.
- Increase in ambient air pollution (Increase in levels of NOx, SPM, Dust Hazards. Etc.)
- Risk Accidents.

## Likely Impact



## Mitigation Measures

- On site use of concreate batching plant.
- Only PUC certified vehicles are allowed to enter the premises.
- Water sprinkling have been carried out to stabilize the dust prone areas.
- Preventive maintenance of transport, heavy equipment and construction equipment have been carried out on regular intervals.
- Low Sulphur fuel i.e Diesel are being used.
- PPEs / masks have been used at high dust generating area.
- AAQM have been carried out at construction site as well as at surrounding villages.
- DG sets having complied with GPCB/CPCB norms are in used.




## Remark

- ✓ The impacts are temporary and limited to short distances, as coarse particles settle close to the construction activities.
- ✓ Water sprinkling activities have been documented.
- ✓ Monthly monitoring has been conducted by an accredited laboratory.
- ✓ Records of DG sets complying with GPCB/CPCB standards have been kept for the respective units/users.

## Likely Impact

Road Traffic due to vehicle movement for transportation of manpower, materials and equipment.

- ❖ Vehicular exhaust and dust emissions on the road.
- ❖ Noise generation
- ❖ Risk involved in transportation activity such as accidents damage to properties etc.




## Remark

- ✓ Records of vehicle entries and exits have been consistently maintained.
- ✓ Security systems for vehicle movement are operational, capturing photographs and videos of each vehicle upon entry.




## Mitigation Measures

- ➢ Only vehicles with valid PUC certification are permitted to enter the premises.
- ➢ Vehicle speeds have been limited to specific thresholds to minimize spillage, emissions, and airborne particles.
- ➢ Trucks and dumpers are prohibited from idling on the roads.
- ➢ Construction materials are delivered in covered batches, secured with tarpaulin sheets.
- ➢ Drivers receive regular defensive driving and awareness training.

# Photographs













| | |
|---|---|
| Owner Name | G*****l l********l |
| Registering Authority | AHMEDABAD, Gujarat |
| Vehicle Class | Goods Carrier(MGV) |
| Fuel Type | DIESEL |
| Emission Norm | EURO 2 |
| Vehicle Age | |
| Hypothecated | No |
| Vehicle Status | ACTIVE |

Tap to Check the impound/seizure document status

| | |
|---|---|
| Registration Date | XX-XXX-2013 |
| Fitness Valid UpTo | XX-XXX-2027 |
| Tax Valid UpTo | XXXXXXX |
| Insurance Valid UpTo | XX-XXX-2027 |
| PUCC Valid Upto | 06-Feb-2027 |
| Permit Valid UpTo | XX-XXX-2028 |



## M/S. MUNDRA PETROCHEM LIMITED (MPL)

# Six Monthly Environmental Monitoring Report Mundra Petrochem Limited (MPL) Located at near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat

**Month: Apr'26 - Sep'26**

**Submitted By**

**UniStar Environment & Research Labs Pvt. Ltd.**
**White House, Near GIDC Office, Char Rasta, Vapi, Gujarat, India – 396195**

## M/S. MUNDRA PETROCHEM LIMITED (MPL)

# Six Monthly Environment Monitoring Report for PVC Project near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat

This report is released for the use of Mundra Petrochem Limited (MPL), Regulators and relevant stakeholders solely as part of the subject project's Environmental Compliance Process. Information provided, unless attributed to referenced third parties, is copyrighted, and shall not be used for any other purpose without the written consent from Mundra Petrochem Limited (MPL).

| QUALITY CONTROL | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Name of Publication** | Six Monthly Environmental Monitoring Report for PVC Project near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat | | | | | | |
| **SO No.** | 5700374521 | **Issue No.** | 1 | **Revision No.** | 01 | **Released** | October 2026 |
| **Prepared & Managed By** | MS. Pooja Gandhi | | **Approved by** | | Mr. Jaivik Tandel | | |
| **Released By** | Unistar Environment and Research Labs Pvt. Ltd. | | | | | | |

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# ABBREVIATIONS AND ACRONYMS

| | | |
|---|---|---|
| MPL | : | Mundra Petrochem Limited |
| APL | : | Adani Power Limited. |
| APSEZL | : | Adani Ports & Special Economic Zone Limited |
| UERL | : | UniStar Environment and Research Labs Private Limited |
| CPCB | : | Central Pollution Control Board |
| EIA | : | Environment Impact Assessment |
| EMP | : | Environmental Management Plan |
| ETP | : | Effluent Treatment Plant |
| KLD | : | Kilo Liter Day |
| MOEFCC | : | Ministry of Environment, Forest & Climate Change |
| $C_2H_2$ | : | Acetylene |
| $CaC_2$ | : | Calcium Carbide |
| $C_2H_3Cl$ | : | Vinyl chloride |
| GoI | : | Government of India |
| GPCB | : | Gujarat Pollution Control Board |
| PVC | : | Polyvinyl chloride |
| VCM | : | Vinyl Chloride Monomer |

# 1 EXECUTIVE SUMMARY

## 1.1 Introduction

### 1.1.1 About ADANI Group

Mundra Petrochem Limited, a stepdown subsidiary of Adani Enterprises Limited (Adani Group Company), is currently in the development phase of a petrochemical cluster at Mundra, Gujarat. As part of this initiative, the company plans to establish a 2 MMT per annum PVC project under its business unit i.e. Mundra Petrochem Limited in phases, with Phase-I targeting an annual capacity of 1 MMT per annum at near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat.

The proposed project aims for an overall PVC production capacity of 2000 KTPA (Kilo Tons Per Annum). The facility will produce various PVC grades such as Suspension PVC (Resin), Chlorinated PVC (C-PVC), Mass PVC (bulk), and Emulsion PVC (paste). Currently, the PVC project is undergoing final design work, detailed engineering, procurement, and simultaneous construction activities at the site.

To implement this project, multiple integrated units are proposed, including a Calcium Carbide Plant, Acetylene Plant, Caustic Soda (Chlor-Alkali process) Plant, VCM Plant, PVC Plant, and Clinker & Cement Plant. This 2 MMTPA PVC project represents an integrated, inter-linked endeavour with multi-sectoral components, where products from one plant serve as raw materials for others.

The PVC produced at this facility will cater to the domestic market, helping to reduce the reliance on imports. Depending on market conditions, products and by-products from the plant will be marketed domestically or exported.

India's annual PVC demand is approximately 4.5 MMT, while the domestic production capacity stands at 1.5 MMT, resulting in a supply-demand gap and imports of around 3 MMT. Even with the planned PVC capacity, the shortfall is projected to reach approximately 3 MMT by 2030. Key sectors driving PVC demand in India include agriculture, construction, and infrastructure. The proposed project aims to address this underserved market in India and reduce import dependency.

The proposed PVC project aims to significantly reduce this supply-demand gap, offering a substantial boost to domestic production and helping to meet growing market needs.

### 1.1.2 About UniStar Environment and Research Labs Private Limited (UERL)

UniStar Environment and Research Labs Private Limited is a company which provide efficient and economical services in the areas of environmental pollution control/monitoring and chemical analysis & research activities to various industries and institutions. UniStar provides technical consultancy backed by well-established sophisticated analytical laboratories, to comply with Statutory requirements and directives of the Pollution Control Board/ Committees under various Environment Pollution Control Acts. and Rules. We also carry out post Environmental Clearance monitoring and assist our valued customers in preparation of Half-yearly Environmental Clearance Compliance report.

- Ministry of Environment, Forest and Climate Change (MOEFCC), GOI recognized the Laboratory under the Environment Protection Act-1986 which is valid up to – 29/03/2028.
- ISO/IEC 17025 Accredited Laboratory by National Accreditation Board for Testing and Calibration Laboratories (NABL) which is valid up to – 22/11/2026. Renewal is under process.
- Recognized Environmental Auditor Laboratory by Gujarat Pollution Control Board, Gandhinagar, Gujarat, India which is valid up to 31/12/2027.

Copy of relevant certificates are attached as Annexure I.

## 1.2 Brief Description of Project

The proposed PVC Project is having various major units such as, Semi-coke Plant, Calcium Carbide Plant, Acetylene Plant, VCM Plant, PVC Plant, Caustic Soda Plant & Cement Plant. The associated infrastructure facilities such as boiler, final/intermediate product storages etc, utilities, pipelines, ancillary facilities for interconnecting /transferring of materials between pockets, loading/unloading, roads, drainages, pipe racks, trenches, cable trays, non-plant buildings, laboratories, fabrication yards, batching Plant, dispatch section, general stores/ warehouse, fire & safety department, maintenance workshop, occupational health centre etc. will also be established.

# 2 ENVIRONMENTAL MONITORING

## 2.1 General Philosophy & Scope of Work

The environmental monitoring encompassed various disciplines and environmental attributes, including air quality, water quality, noise levels, and soil conditions. As per the given scope of work for environmental monitoring by MPL, we have prepared Environmental Monitoring Plan as per below.

| Sr. No | Discipline | Location | Parameter | Frequency |
|---|---|---|---|---|
| 1. | Ambient Air Quality Monitoring | Seven Locations | As per National Ambient Air Quality Standards (NAAQS2009) | Monthly |
| 2. | Ambient Noise Monitoring | Seven Locations | Day Time & Nighttime - Noise Levels in Leq dB(A) | Monthly |
| 3. | Treated Sewage water | One Location | pH, Bio-Chemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), Faecal Coliform (FC) (MPN/100ml), Total Nitrogen-, Total Phosphorus | Monthly |
| 4. | Groundwater | Eight Location | pH, Temperature, Turbidity, Conductivity, Total Dissolved Solids, Bio-Chemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Salinity, Ammoniacal Nitrogen, Total Alkalinity, Total Hardness, Calcium, Magnesium, Chloride, Sulphate, Nitrate, Fluoride, Phenolic Compound, Sodium, Potassium, Calcium Hardness, Magnesium Hardness, Lead, Iron, Cadmium, Manganese, Copper, Arsenic, Chromium, Mercury, Nickel, Zinc, Total Nitrogen, Cyanide, Total Phosphorus, Sodium Absorption Ratio (SAR) | Pre & Post Monsoon |
| 5. | Surface Water | Five Locations | pH, Colour, Conductivity, Total Dissolved Solids, Bio-Chemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Dissolved Oxygen, Total Hardness, Calcium Hardness, Magnesium Hardness, Chloride, Sulphate, Nitrate, Fluoride, Phenolic Compound, Ammoniacal Nitrogen, Lead, Iron, Cadmium, Manganese, Copper, Arsenic, Chromium, Boron, Mercury, Zinc, Cyanide, Sodium Absorption Ratio (SAR) | Pre & Post Monsoon |
| 6. | Surface Water (Marine) | Three Locations | pH, Colour, Odour, turbidity, Total Suspended Solids (TSS), Total Dissolved Solids, Bio-Chemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Dissolved Oxygen, Oil & Grease, Lead, Iron, Cadmium, Manganese, | Pre & Post Monsoon |

| | | | | |
|---|---|---|---|---|
| 7.0 | Soil | Three Location | Porosity, Water Holding Capacity, Permeability, Particle Size Distribution (Sand, Silt and Clay), Soil Texture, Cation Exchange Capacity (CEC), Sodium Adsorption Ratio (SAR), Electrical Conductivity (EC), Exchangeable Sodium, pH, Calcium, Magnesium, Sodium, Potassium, Total Organic Carbon (TOC), Available Phosphorus and Available Potassium. | Pre & Post Monsoon |

## 2.2 Sampling & Analysis

The selection of methods for sampling, preservation, and analysis holds significant importance in environmental monitoring. To ensure the highest quality in environmental sampling and analysis, the Central Pollution Control Board (CPCB) has established guidelines for these processes. Adhering to these guidelines, specific methods for sampling and analysis of environmental samples have been chosen and implemented. Instruments used for sampling are calibrated by an NABL-accredited laboratory.

Details are as follows:

| Sr. No | Name of Instrument Used | ID No./Sr. No | Make/Model | Calibration Date | Cal. Valid up to |
|---|---|---|---|---|---|
| 1. | Respirable Dust Sampler PM 10 | UERL/AIR/RDS/15/ 2345-DTB-2012 / 1039-DTC-2012 | Envirotech/ APM-460 BL, APM-411 | 19/12/2025 | 18/12/2026 |
| 2. | Fine Particulate Sampler PM 2.5 | UERL/AIR/FPS/13 132-DTL-2012 | Envirotech/ APM 550-MINI | 19/12/2025 | 18/12/2026 |
| 3. | Respirable Dust Sampler PM 10 | UERL/AIR/RDS/16 1744-DTA-2013 / 1127-DTJ-2012 | Envirotech/ APM-460 BL, APM-411 | 18/12/2025 | 17/12/2026 |
| 4. | Fine Particulate Sampler PM 2.5 | UERL/AIR/FPS/14 137-DTD-2013 | Envirotech/ APM 550-MINI | 18/12/2025 | 17/12/2026 |
| 5. | Respirable Dust Sampler PM 10 | UERL/AIR/RDS/017 1745-DTA-2013 / 1139-DTA-2013 | Envirotech/ APM-460 BL, APM-411 | 19/12/2025 | 18/12/2026 |
| 6. | Fine Particulate Sampler PM 2.5 | UERL/AIR/FPS/15 125-DTD-2013 | Envirotech/ APM 550-MINI | 19/12/2025 | 18/12/2026 |
| 7. | Respirable Dust Sampler PM 10 | UERL/AIR/RDS/018 1751-DTA-2013 / 1142-DTA-2013 | Envirotech/ APM-460 BL, APM-411 | 20/12/2025 | 19/12/2026 |
| 8. | Fine Particulate Sampler PM 2.5 | UERL/AIR/FPS/16 129-DTL-2012 | Envirotech/ APM 550-MINI | 20/12/2025 | 19/12/2026 |
| 9. | Sound Level Meter | UERL/AIR/SLM/02 | Envirotech - SL-4015 /221209404 | 13/12/2025 | 12/12/2026 |

***Calibration certificates are attached in Annexure II**

### 2.2.1 Ambient Air Quality Sampling and Analytical Techniques

The techniques used for ambient air quality monitoring and its permissible limit are given in following table.

| Sr. No. | Parameter | Technique | Technical protocol | Permissible Limit (As per NAAQS) |
|---|---|---|---|---|
| 1. | Particulate Matter as PM10 | Respirable Dust Sampler (Gravimetric method) | IS 5182, Part 23 | 100 |

| Sr. No. | Parameter | Technique | Technical protocol | Permissible Limit (As per NAAQS) |
|---|---|---|---|---|
| 2. | Particulate Matter as PM2.5 | Fine Particulate Sampler (Gravimetric method) | IS 5182, Part 24 | 60 |
| 3. | Sulphur Dioxide as SO2 | Modified West and Gaeke | IS 5182, Part 2, Sec. 1 | 80 |
| 4. | Nitrogen Dioxide as NO2 | Jacob & Hochheiser | IS 5182, Part 6 | 80 |
| 5. | Carbon Monoxide as CO | Gas Analyser (CO) | IS 5182, Part 10 | 4.0 |
| 6. | Ozone as O3 | UV Spectrophotometer | IS 5182, Part 9 | 180 |
| 7. | Ammonia as NH3 | Titrimetric Method | IS 5182, Part 25 | 400 |
| 8. | Lead as Pb | AAS Method | IS 5182, Part 22 | 1.0 |
| 9. | Nickel as Ni | AAS Method | IS 5182, Part 26 | 20 |
| 10. | Arsenic as As | AAS Method | CPCB Guideline V- I | 6.0 |
| 11. | Benzene as C6H6 | GC Method | IS - 5182, Part - 11 | 5.0 |
| 12. | Benzo (a) Pyrene (BaP) | GC Method | IS - 5182, Part - 12 | 1.0 |

### 2.2.2 Ambient Noise Level Sampling Techniques

The techniques used for ambient noise level monitoring and their permissible limits are given in the following table.

| Sr. No. | Parameter | Technique | Technical protocol | Permissible Limit (As per CPCB) |
|---|---|---|---|---|
| 1. | Ambient Noise Level Monitoring at Industrial Area | Sound Level Meter (Leq), | IS : 9989 : 1981 | Day Time – 75 dB<br>Night Time – 70 dB |
| 2 | Ambient Noise Level Monitoring at Residential Area | Sound Level Meter (Leq), | IS : 9989 : 1981 | Day Time – 55 dB<br>Night Time – 45 dB |

### 2.2.3 Ground Water Sampling & Analysis Techniques

| Sr. No. | Parameter | Technical protocol | IS 10500 Standard Limits for drinking water | |
|---|---|---|---|---|
| | | | Desirable limit | Per. Limit in the Abs. of Alt. Source |
| 1 | pH | IS 3025(Part 11):2022 | 6.5-8.5 | NR |
| 2 | Temp | IS 3025 Part 9:2023 | NS | NS |
| 3 | Turbidity | IS 3025(Part 10):2023 | 1 | 5 |
| 4 | TDS | IS 3025(Part 16):2024 | 500 | 2000 |
| 5 | Electrical Conductivity | IS 3025(Part 14):2013 | NS | NS |
| 6 | COD | IS 3025(Part 58): 2023 | NS | NS |
| 7 | BOD | IS 3025(Part 44): 2023 | NS | NS |
| 8 | Phenol | IS 3025(Part 43): 2022 | 0.001 | 0.002 |
| 9 | Chlorides | IS 3025(Part 32): 1988 | 250 | 1000 |
| 10 | Sulphate | IS 3025(Part 24): 2022 | 200 | 400 |
| 11 | Total Hardness | IS 3025(Part 21): 2009 | 200 | 600 |
| 12 | Ca++ Hardness | APHA 24th Ed., 2023, 3500 Ca. B | NS | NS |
| 13 | Mg++ Hardness | APHA 24th Ed., 2023, 3500 Mg. B | NS | NS |
| 14 | Total Alkalinity | IS 3025(Part 23): 2023 | 200 | 600 |
| 15 | Nitrate | APHA 24th Ed,2023,4500 NO3-B | 45 | NR |
| 16 | Fluoride | IS 3025(Part 60): 2023 | 1 | 1.5 |
| 17 | Sodium | APHA 24th Ed., 2023, 3500 Na,B | NS | NS |
| 18 | Potassium | APHA 24th Ed., 3500 K,B | NS | NS |
| 19 | Calcium | APHA 24thEd,2023,3500 Ca. B | 75 | 200 |

| Sr. No. | Parameter | Technical protocol | IS 10500 Standard Limits for drinking water | |
|---|---|---|---|---|
| | | | Desirable limit | Per. Limit in the Abs. of Alt. Source |
| 20 | Magnesium | APHA 24th Ed,2023,3500 Mg. B | 30 | 100 |
| 21 | Salinity | APHA 24th Ed,2023,2520-B, 2-60 | NS | NS |
| 22 | Total Nitrogen | APHA 24th Ed,2023,4500 NH3 - B | 0.5 | NR |
| 23 | Total Phosphorus | APHA 24th Ed,2023,4500-P, D | NS | NS |
| 24 | Dissolved Oxygen | APHA 24thEd,2023,4500-O, B | NS | NS |
| 25 | Ammoniacal Nitrogen | IS 3025(Part 34) (ISE Method):2024 | NS | NS |
| 26 | SAR | By Calculation | NS | NS |
| | **Heavy Metals** | | | |
| 27 | Arsenic (as As) | APHA 24th Ed,2023,3114-C | 0.01 | 0.05 |
| 28 | Cadmium (as Cd) | IS 3025(Part 41): 2023 | 0.003 | NR |
| 29 | Chromium (as Cr) | APHA 24th Ed,2023,3111-B | 0.05 | NR |
| 30 | Copper (as Cu) | APHA 24th Ed,2023,3111-B | 0.05 | 1.5 |
| 31 | Cyanide (as CN) | IS 3025(Part 27): 2021 | 0.05 | NR |
| 32 | Iron (as Fe) | IS 3025(Part 53): 2024 | 0.3 | NR |
| 33 | Lead (as Pb) | IS 3025(Part 47): 2024 | 0.01 | NR |
| 34 | Mercury (as Hg) | APHA 24th Ed,2023,3112-B | 0.001 | NR |
| 35 | Manganese (as Mn) | APHA 24th Ed,2023,3500 Mn. B | 0.1 | 0.3 |
| 36 | Nickel (as Ni) | IS 3025(Part 54): 2003 | 0.02 | NR |
| 37 | Zinc (as Zn) | IS 3025(Part 49): 2024 | 5 | 15 |
| 38 | Total Coliform | APHA 24th Ed. 2023, 9222-B | Shall not be detectable | |
| 39 | Faecal Coliforms | APHA 24th Ed., 2023, 9222-D | Shall not be detectable | |

### 2.2.4 Surface Water Sampling & Analysis Techniques

| Sr. No. | Parameter | Technical protocol | Classification for Inland Surface Water (CPCB) |
|---|---|---|---|
| | | | Class E |
| 1 | pH | IS 3025(Part 11):2022 | 6.5 to 8.5 |
| 2 | Dissolved Oxygen | APHA 24thEd,2023,4500-O, B | NA |
| 3 | TDS | IS 3025(Part 16):2024 | 2100 |
| 4 | Electrical Conductivity | IS 3025(Part 14):2013 | 2250 |
| 5 | BOD | IS 3025(Part 44): 2023 | NA |
| 6 | Colour | IS 3025(Part 4):2021 | - |
| 7 | Total Hardness | IS 3025(Part 21): 2009 | NA |
| 8 | Ca++ Hardness | APHA 24th Ed,2023,3500 Ca. B | NA |
| 9 | Mg++ Hardness | APHA 24th Ed,2023,3500 Mg. B | NA |
| 10 | Chlorides | IS 3025(Part 32): 1988 | 600 |
| 11 | Sulphate | IS 3025(Part 24): 2022 | 1000 |
| 12 | Nitrate | APHA 24th Ed,2023,4500 NO3-B | NA |
| 13 | Fluoride | IS 3025(Part 60): 2023 | - |
| 14 | Phenol | IS 3025(Part 43): 2022 | NA |
| 15 | Ammoniacal Nitrogen | IS 3025 Part 34 (ISE):2024 | NA |
| 16 | SAR | By Calculation | 26 |
| 17 | Copper (as Cu) | APHA 24thEd,2023,3111-B | NA |
| 18 | Iron (as Fe) | IS 3025(Part 53): 2024 | NA |
| 19 | Manganese (as Mn) | APHA 24th Ed,2023,3500 Mn. B | NA |

| Sr. No. | Parameter | Technical protocol | Classification for Inland Surface Water (CPCB) |
|---|---|---|---|
| | | | Class E |
| 20 | Mercury | APHA 24thEd,2023,3112-B | NA |
| 21 | Cadmium (as Cd) | IS 3025(Part 41): 2023 | NA |
| 22 | Arsenic (as As) | APHA 24th Ed,2023,3114-C | NA |
| 23 | Cyanide | IS 3025(Part 27): 2021 | NA |
| 24 | Lead (as Pb) | IS 3025(Part 47): 2024 | NA |
| 25 | Zinc | IS 3025(Part 49): 2024 | NA |
| 26 | Chromium (as Cr) | APHA 24th Ed,2023,3111-B | NA |
| 27 | Boron | IS 3025(Part 57): (Curcumin Method) : 2021 | 2 |
| 28 | Total Coliform | APHA 24th Ed. 2023, 9222-B | - |
| 29 | COD | IS 3025(Part 58): 2023 | - |

## 2.2.5 Surface Water (Marine) Sampling & Analysis Techniques

| Sr. No. | Parameter | Technical protocol | Classification for Coastal marine water (CPCB) |
|---|---|---|---|
| | | | SW-I |
| 1 | pH | IS 3025(Part 11):2022 | 6.5 to 8.5 |
| 2 | Dissolved Oxygen | APHA 24th Ed,2023,4500-O, B | 5 |
| 3 | Colour & Odour | IS 3025(Part 4):2021 & IS 3025(Part 5):2018 | No Colour No Odour |
| 4 | Floating Matters | - | None |
| 5 | Total Suspended Solids (TSS) | APHA 24th Ed,2023,2540-D | None from Sewage or Industrial waste Origin |
| 6 | Turbidity | IS 3025(Part 10):2023 | - |
| 7 | BOD | IS 3025(Part 44): 2023 | - |
| 8 | Oil & Grease | IS 3025(Part 39): 2021 | 0.1 |
| 9 | Mercury as Hg | APHA 24th Ed,2023,3112-B | 0.01 |
| 10 | Lead (as Pb) | IS 3025(Part 47): 1994 | 0.01 |
| 11 | Cadmium (as Cd) | IS 3025(Part 41): 2023 | 0.01 |
| 12 | Iron (as Fe) | IS 3025(Part 53): 2003 | - |
| 13 | Manganese (as Mn) | APHA 24th Ed,2023,3500 Mn. B | - |
| 14 | Faecal Coliforms | APHA 24th Ed.,2023, 9222- | Shall not be detectable |
| 15 | Sludge Deposits, Solid refuse floating Solids, Oil Grease and Scum | - | - |
| 16 | COD | IS 3025(Part 58): 2023 | - |

## 2.2.6 Treated Water Sampling & Analysis Techniques

The techniques used for waste water Sampling and analysis its permissible limit is given in following table.

| Sr. No. | Parameter | Technical protocol | Permissible Limit (As per MOEFCC notification no. GSR 1265(E) dt. 13 Oct. 2017) |
|---|---|---|---|
| 1. | Treated Effluent from STP | | |
| | pH | IS 3025(Part 11):2022 | 6.5 to 9.0 |
| | BOD | APHA 24th Ed,2023,5210-B | <30 |
| | COD | IS 3025(Part 58): 2023 | - |
| | TSS | APHA 24th Ed.,2023, 2540 – D | <50 |

| Sr. No. | Parameter | Technical protocol | Permissible Limit (As per MOEFCC notification no. GSR 1265(E) dt. 13 Oct. 2017) |
|---|---|---|---|
| | Nitrogen Total | APHA 24th Ed,2023,4500-B, C | -- |
| | Total Phosphorus | APHA 24thEd,2023,4500-P, D | -- |
| | Faecal Coliform | IS 1622:2019 | <1000 |

## 2.3 Location (map showing general location, Monitoring location and project boundary) with coordinates & Monitoring details.

The general location of the project is in *Map 2-1* shows the study area of 10 Km radius around the project site on Google Earth downloaded image.

The sampling location used for monitoring purpose is taken after due consideration with baseline monitoring location, availability of power & weather condition etc. Also In order to evaluate the quality of sewage water, samples were acquired from the sewage water treatment plant for comprehensive analysis. These analyses encompassed physico-chemical, general-chemical, and microbiological parameters.

| Sr. No. | Sampling Type | Sampling Location | Type of Area | Coordinates |
|---|---|---|---|---|
| 1. | Ambient Air & Noise | Project Site (Pocket – 1) | Industrial Area | 22.785943° N, 69.566645° E |
| 2. | Ambient Air & Noise | Project Site (Pocket -1 Nr. Admin Building) | Industrial Area | 22.794914, 69.575220 |
| 3. | Ambient Air & Noise | Project Site (Pocket – 2) | Industrial Area | 22.78221° N, 69.559541° E |
| 4. | Ambient Air & Noise | Project Site (Pocket – 3) | Industrial Area | 22.802171° N, 69.552084° E |
| 5 | Ambient Air & Noise | Near Fabrication & Batching Plant | Industrial Area | 22.807563° N, 69.704170° E |
| 6. | Ambient Air & Noise | Village - Navinal | Rural Area | 22.829246° N, 69.598332° E |
| 7. | Ambient Air & Noise | Village - Zarpara | Rural Area | 22.837942° N, 69.646225° E |
| 8. | Ambient Air & Noise | Village - Vandh | Rural Area | 22.809106° N, 69.53562° E |
| 9. | STP Treated water | Project Site (Pocket – 1) | Industrial Area | 22.784881° N, 69.566798°E |

*Photograph 2-1: Proposed Project Site (Current Status of Land)*



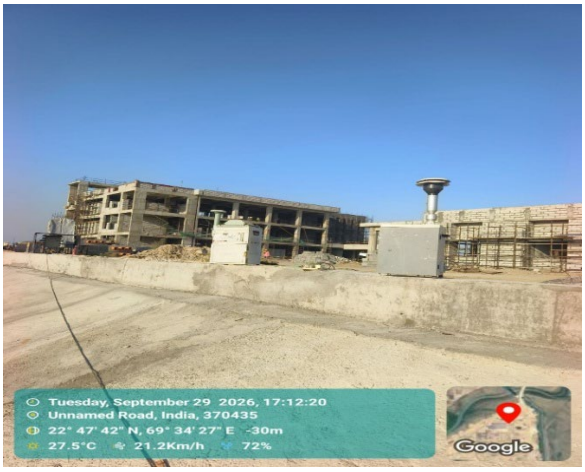
**Pocket – 1**



**Pocket – 2**

| |
|---|
|  |
| **Pocket 3** |

*Photograph 2-2: Photographs of monitoring*

| | |
|---|---|
|  |  |
| **Project Site (Pocket – 1)** | **Project Site (Pocket – 1 Nr. Adm. Building)** |
|  |  |
| **Project Site (Pocket – 3)** | **Near Fabrication & Batching Plant** |

| | |
|---|---|
|  |  |
| **Village Navinal** | **Village Vandh** |
|  |  |
| **Village-Zarpara** | **Project Site (Pocket – 1) - STP** |
|  |  |
| **Project Site (Pocket – 1)** | **Project Site (Pocket – 3)** |




Marine Water – APL Intake




Marine Water – Kotadi Creek



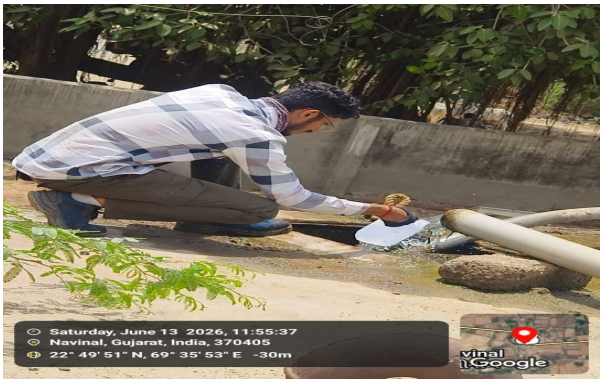

Surface Water- Zarpara Village



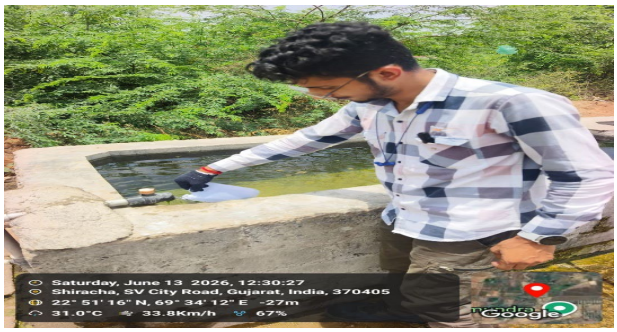

Surface Water - Siracha Village



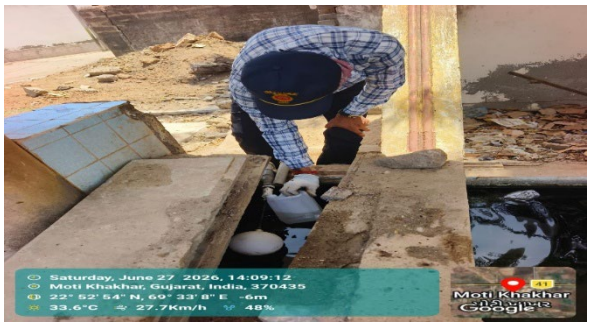

Surface Water – Navinal




Ground Water – Navinal




Ground Water – Siracha




Ground Water – Moti Khakhar

*Map 2-1: Images  Project General Location Map*










**Project General Location Map.**

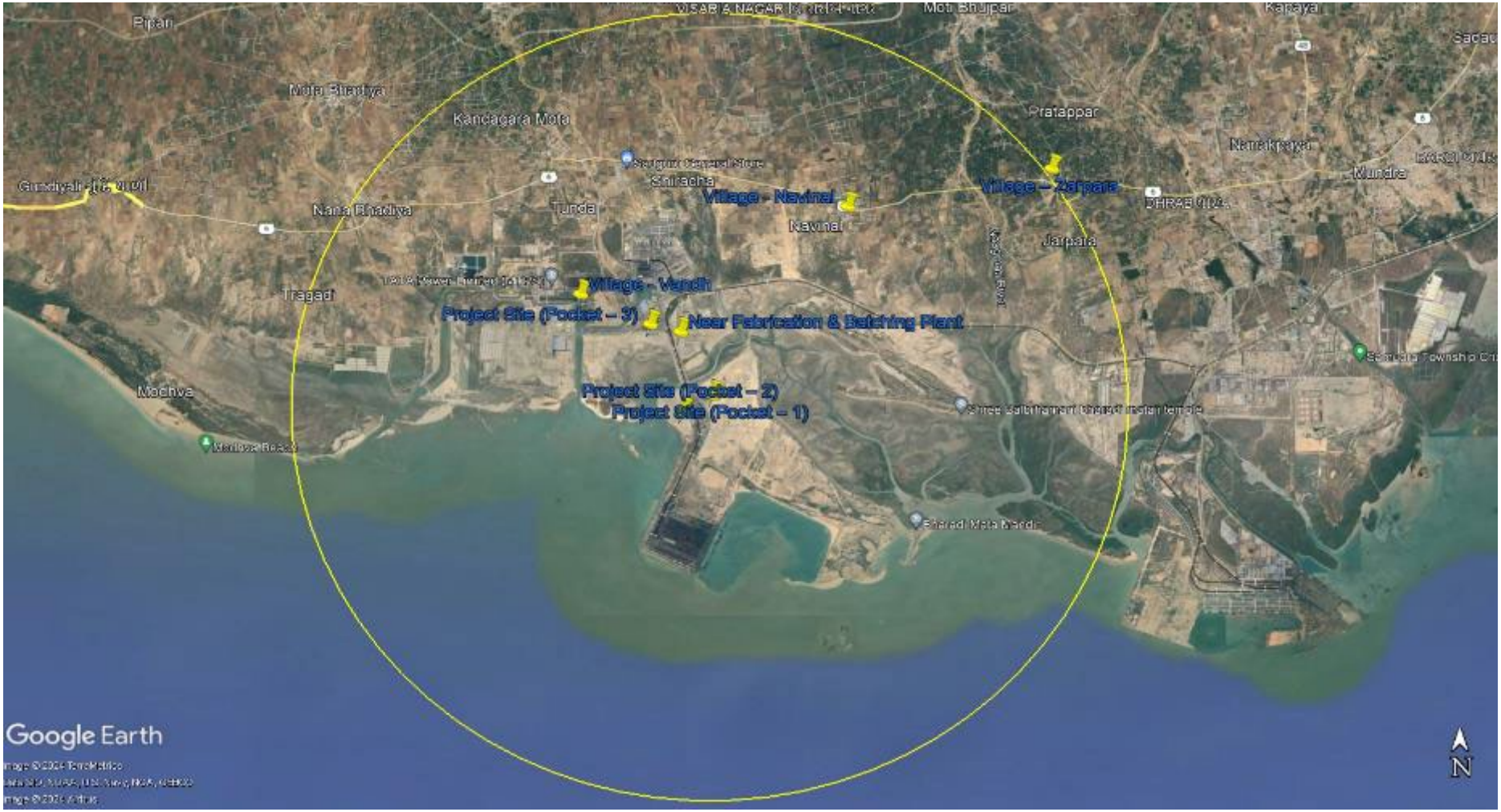
**Source:** Google Earth

**Client:** M/s. Mundra Petrochem Limited

**Prepared by:**

M/s. Unistar Environment and Research labs Pvt. Ltd., Vapi.

*Map 2-1: Project site and Study Area of 10 Km radius on Google Earth Downloaded*



# CLIMATIC CONDITIONS

## 2.4 Climatic data from secondary sources

For the PVC project, secondary data for weather conditions in the region is available for the period of April 2026 to September 2026. This table gives useful information about a region's weather condition. Meteorological data was analysed/reviewed for important parameters like Temperature, Humidity, BP, Wind speed, Wind direction, Solar radiation and Rainfall.

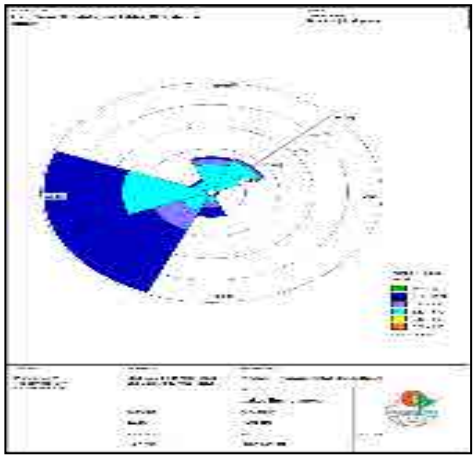
Average meteorological condition recorded at metrological station is as given in below table.

*Table 3-1: Average meteorological condition*

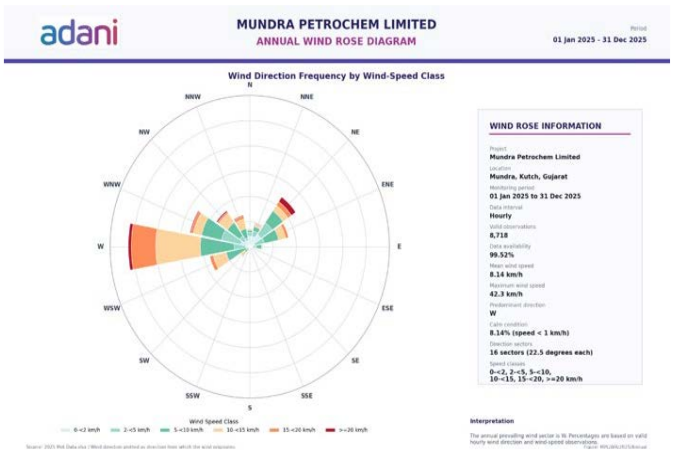
| Weather Monitoring Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Month** | **Scale** | **Temp. (°C)** | **RH (%)** | **BP (mmHg)** | **Wind Direction** | **Wind speed (Km/ Hr.)** | **Total Rainfall (mm)** |
| Apr 2026 to Sep 2026 | Max. | 44.7 | 99.8 | 764.2 | 360.0 | 28.6 | 226 |
| | Min. | 22.5 | 20.2 | 743.6 | 0.0 | 0.0 | |
| | Average/ Total | 32.9 | 74.0 | 753.2 | 259.6 | 13.7 | |

Based on wind patterns data, monthly wind-rose diagrams are presented in below Figure along with historical windrose of area.

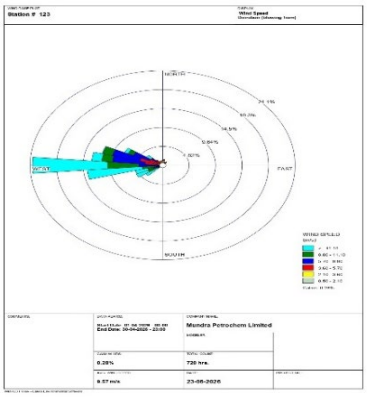
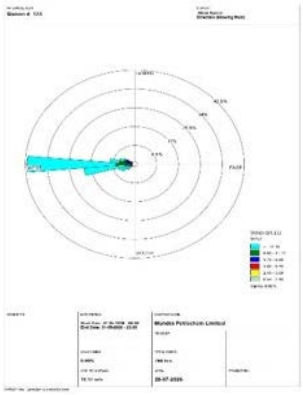
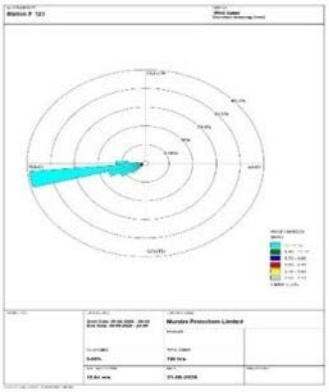
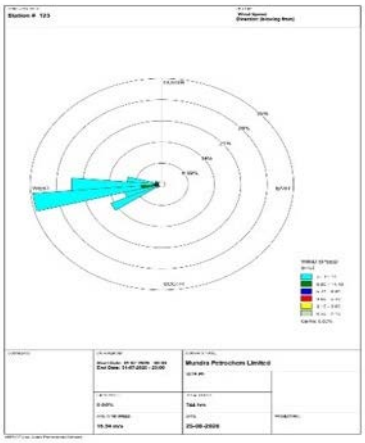
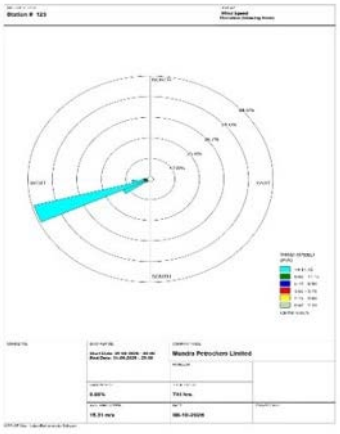
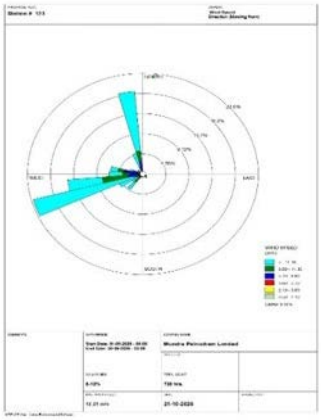
*Figure 3-1: Annual and Monthly Wind-Rose Diagrams.*



Annual




Wind Rose 2025

| | | |
|---|---|---|
|  |  |  |
| Wind Rose Apr.-26 | Wind Rose May-26 | Wind Rose June-26 |
|  |  |  |
| Wind Rose July-26 | Wind Rose Aug-26 | Wind Rose Sep.-26 |

# 3 ANALYSIS & INTERPRETATION

## 3.1 Ambient Air

| Sr. No. | Month | Parameter with Results | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PM10 | PM2.5 | SO2 | NO2 | CO | O3 | NH3 | Pb | Ni | As | Benzene | Benzo (a) Pyrene |
| | | µg/m3 | µg/m3 | µg/m3 | µg/m3 | mg/m3 | µg/m3 | µg/m3 | µg/m3 | ng/m3 | ng/m3 | µg/m3 | ng/m3 |
| | | Permissible Limit As per NAAQS – 2009 Notification. | | | | | | | | | | | |
| | | 100 | 60 | 80 | 80 | 4 | 180 | 400 | 1 | 20 | 6 | 5 | 1 |
| **Location : Project Site (Pocket -1)** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 80.3 | 33.4 | 20.1 | 22.5 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 84.8 | 38.2 | 21.3 | 22.5 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | Jun-26 | 87.3 | 42.8 | 18.6 | 20.7 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | July. 26 | 79.1 | 36.2 | 17.1 | 19.5 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 5 | Aug.-26 | 69.7 | 33.2 | 15.1 | 17.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 6 | Sep.-26 | 67.7 | 31.2 | 17.8 | 20.0 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| **Report Ref. No. -** URA/26/04/A-072dt.22/04/2026, URA/26/05/A-058 dt.20/05/2026, URA/26/06/A-061 dt. 25/06/2026 URA/26/07/A-046 dt. 29/07/2026, URA/26/08/A-064 dt. 22/08/2026, URA/26/09/A-106 dt. 29/09/2026 | | | | | | | | | | | | | |
| **Location: Project Site (Near to Pocket -1 Admin Building)** | | | | | | | | | | | | | |
| 1 | Aug.-26 | 64.6 | 30.9 | 18.6 | 21.3 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | Sep.-26 | 62.3 | 29.9 | 16.5 | 19.9 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| **Report Ref. No.** - URA/26/08/A-081 dt. 26/08/2026, URA/26/09/A-107 dt. 29/09/2026 | | | | | | | | | | | | | |
| **Location: Project Site (Near to Pocket -2)** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 70.4 | 29.9 | 17.2 | 20.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 74.2 | 31.3 | 18.1 | 19.9 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | Jun-26 | 76.4 | 33.8 | 14.1 | 17.8 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | Jul. 26 | 73.2 | 29.9 | 13.2 | 16.1 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| **Report Ref. No. -** URA/26/04/A-084 dt. 29/04/2026, URA/26/05/A-088 dt. 29/05/2026, URA/26/06/A-074 dt. 30/06/2026, URA/26/07/A-056 dt. 31/07/2026 | | | | | | | | | | | | | |
| **Location: Project Site (Near to Pocket -3)** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 81.8 | 38.9 | 16.9 | 19.7 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 86.3 | 41.2 | 21.4 | 22.2 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | Jun-26 | 89.9 | 42.6 | 16.7 | 20.2 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | Jul. 26 | 81.4 | 39.9 | 18.7 | 21.3 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 5 | Aug.-26 | 72.1 | 32.1 | 17.4 | 20.5 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 6 | Sep.-26 | 71.6 | 31.8 | 18.9 | 21.5 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |

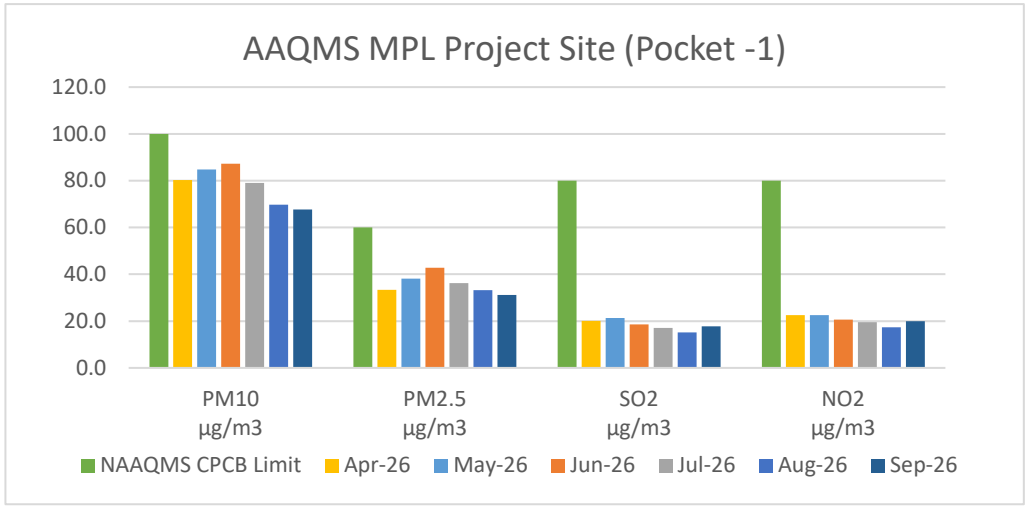
| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Report Ref. No. -** URA/26/04/A-081 dt. 28/04/2026, URA/26/05/A-066 dt. 21/05/2026, URA/26/06/A-072 dt. 27/06/2026, URA/26/07/A-052 dt. 30/07/2026, URA/26/08/A-077 dt. 25/08/2026, URA/26/09/A-108 dt. 29/09/2026 | | | | | | | | | | | | | |
| **Location: Near Fabrication and Batching Plant** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 80.6 | 33.5 | 19.2 | 20.6 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 80.3 | 38.9 | 20.6 | 21.8 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | Jun-26 | 82.4 | 40.8 | 18.3 | 19.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | Jul. 26 | 77.1 | 35.4 | 17.1 | 18.2 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 5 | Aug.-26 | 71.4 | 30.2 | 16.2 | 19.9 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 6 | Sep.-26 | 70.1 | 28.1 | 15.1 | 18.8 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| **Report Ref. No.-** URA/26/04/A-076 dt. 23/04/2026, URA/26/05/A-065 dt. 21/05/2026, URA/26/06/A-071 dt. 27/06/2026 URA/26/07/A-049 dt. 29/07/2026, URA/26/08/A-065 dt. 22/08/2026, URA/26/09/A-109 dt. 29/09/2026 | | | | | | | | | | | | | |
| **Location : Village Navinal** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 76.9 | 36.2 | 18.8 | 17.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 78.4 | 37.8 | 19.4 | 20.3 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | June-26 | 80.6 | 38.5 | 17.5 | 18.6 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | July. 26 | 70.3 | 30.4 | 16.5 | 17.3 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 5 | Aug.-26 | 63.2 | 27.1 | 14.2 | 17.1 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 6 | Sep.-26 | 61.2 | 26.7 | 16.1 | 19.3 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| **Report Ref. No. -** URA/26/04/A-085 dt. 30/04/2026, URA/26/05/A-087 dt. 29/05/2026, URA/26/06/A-069 dt. 26/06/2026 URA/26/07/A-047 dt. 29/07/2026, URA/26/08/A-091 dt. 29/08/2026, URA/26/09/A-097 dt. 26/09/2026 | | | | | | | | | | | | | |
| **Location : Village Zarpara** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 73.7 | 29.6 | 15.1 | 18.8 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 77.5 | 32.8 | 15.7 | 18.1 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | June-26 | 80.3 | 36.7 | 16.8 | 19.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | July. 26 | 65.2 | 32.5 | 15.2 | 17.7 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 5 | Aug.-26 | 61.4 | 28.6 | 13.5 | 16.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 6 | Sep.-26 | 59.5 | 25.1 | 15.4 | 18.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| **Report Ref. No. –** URA/26/04/A-080 dt. 28/04/2026, URA/26/05/A-089 dt. 30/05/2026, URA/26/06/A-073 dt. 30/06/2026 ,URA/26/07/A-054 dt. 30/07/2026, URA/26/08/A-090 dt. 29/08/2026, URA/26/09/A-098 dt. 26/09/2026 | | | | | | | | | | | | | |
| **Location : Village Vandh** | | | | | | | | | | | | | |
| 1 | Apr.-26 | 74.2 | 32.1 | 17.4 | 21.1 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 2 | May-26 | 76.6 | 36.8 | 18.5 | 20.7 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 3 | Jun-26 | 79.9 | 37.1 | 17.8 | 18.8 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 4 | Jul. 26 | 67.4 | 31.8 | 16.1 | 17.4 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 5 | Aug.-26 | 59.9 | 24.3 | 12.1 | 15.2 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |
| 6 | Sep.-26 | 56.1 | 23.3 | 14.5 | 17.1 | <0.01 | <5.0 | <5.0 | <0.5 | <1.0 | <1.0 | <1.0 | <0.1 |

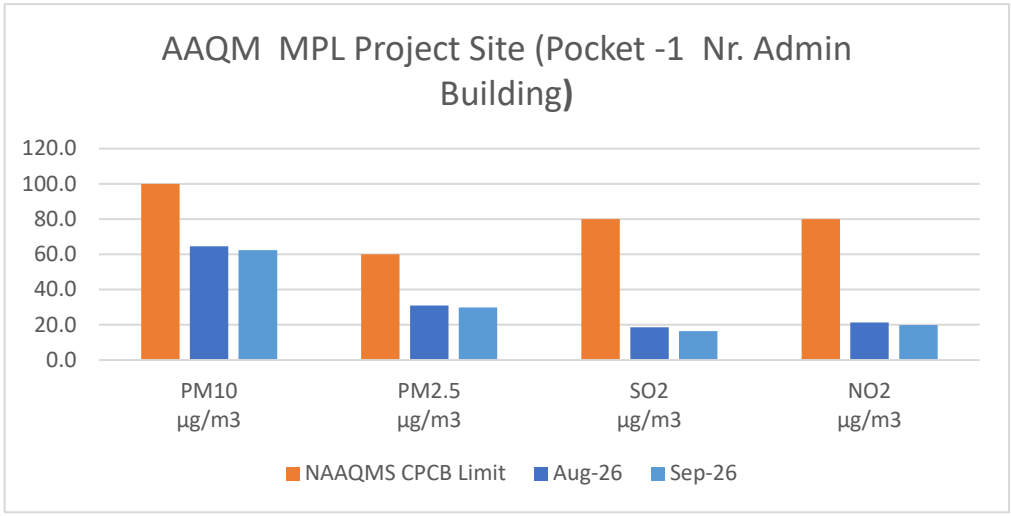
**Report Ref. No.-** URA/26/04/A-020 dt. 07/04/2026, URA/26/05/A-057 dt. 20/05/2026, URA/26/06/A-070 dt. 26/06/2026 URA/26/07/A-048 dt. 29/07/2026, URA/26/08/A-092 dt. 29/08/2026, URA/26/09/A-092 dt. 25/09/2026

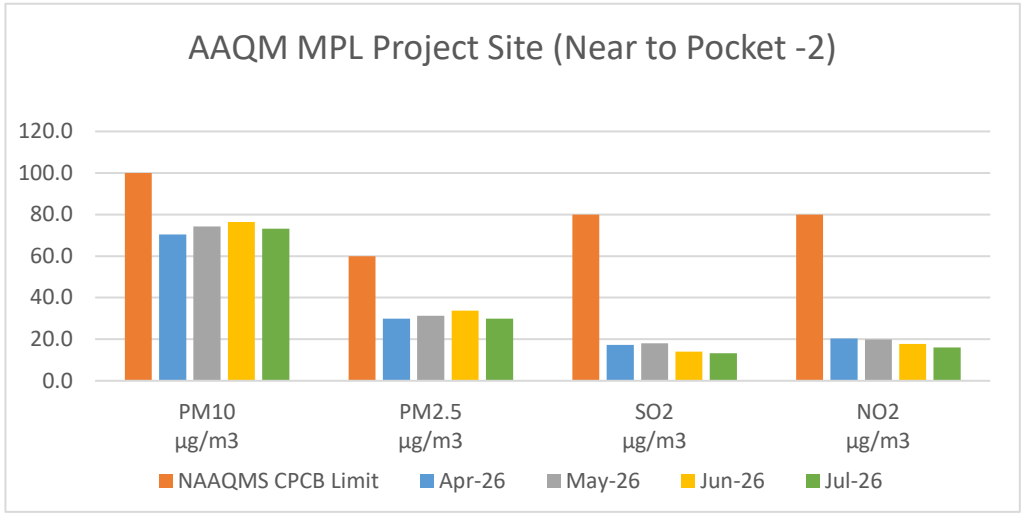
## Observations

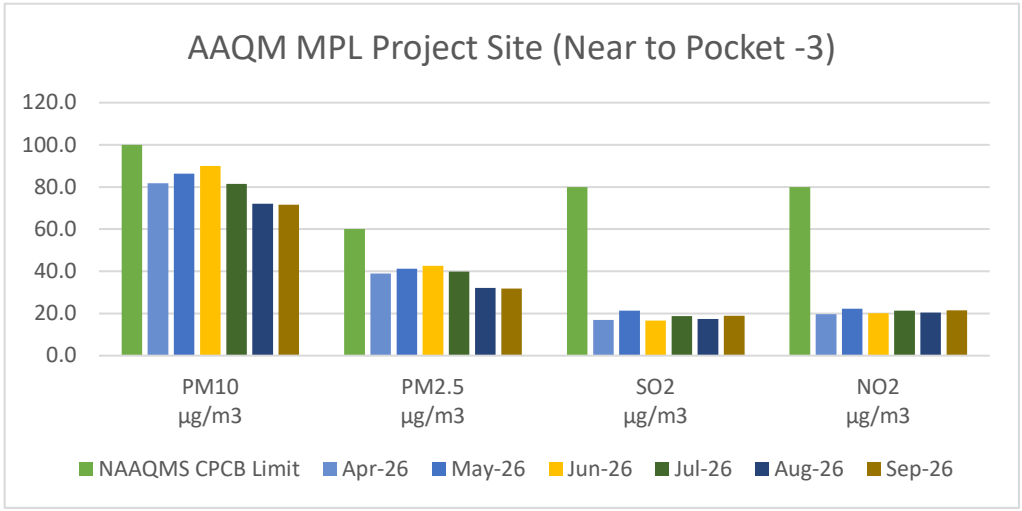
- The concentration of PM10 ranged from 89.9 µg/m3 at the Project Site (Pocket -3) to 56.1 µg/m3 in the Village of Vandh, with an average concentration of 73.7 µg/m3.
- The concentration of PM2.5 ranged from 42.8 µg/m3 at the Project Site - Pocket 1 to 23.3 µg/m3 in the Village of Vandh, with an average concentration of 33.4 µg/m3.
- The concentration of SO2 ranged from 21.4 µg/m3 at the Project Site - Pocket 3 to 12.1 µg/m3 in the Village of Vandh, with an average concentration of 17.0 µg/m3.
- The concentration of NO2 ranged from 22.5 µg/m3 at the Project site (Pocket 1) to 15.2 µg/m3 in the Village of Vandh, with an average concentration of 19.3 µg/m3.
- The concentrations of CO were below <0.01 mg/m3, & NH3 were below <5.0 µg/m3, O3 were below <5.0 µg/m3 at all the locations.
- The concentrations of Lead (Pb) were below <0.5 µg/m3, Arsenic (As) were below <1.0 ng/m3 & Nickel (Ni) were all below <1.0 ng/m3 at all the locations.
- The concentrations of Benzene were below <1.0 µg/m3 & BaP were all below <0.1 ng/m3 at all the locations.

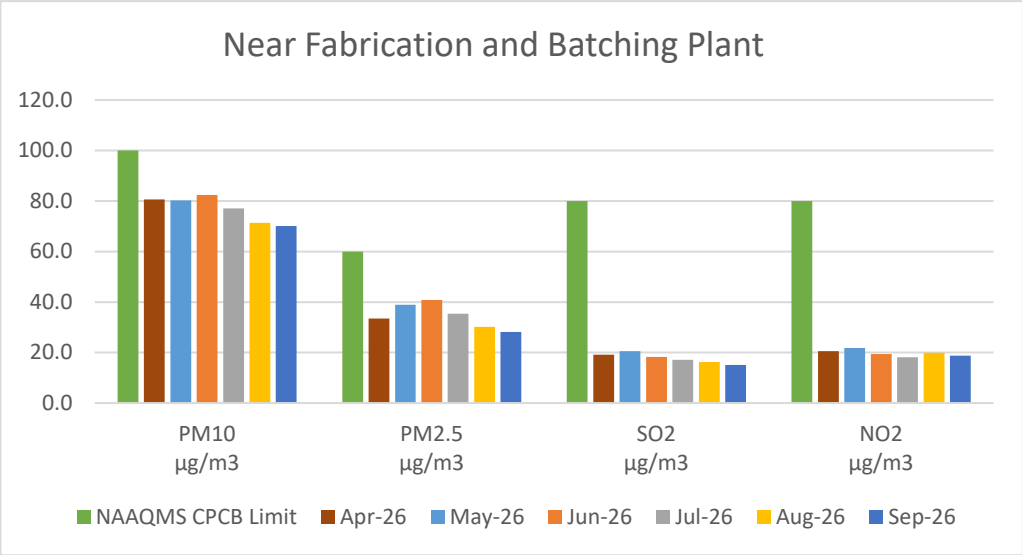
  The concentrations of all monitored air quality parameters were found to be within the permissible limits as defined by the National Ambient Air Quality (NAAQ) Standards set by the Ministry of Environment, Forest and Climate Change (MoEF&CC).

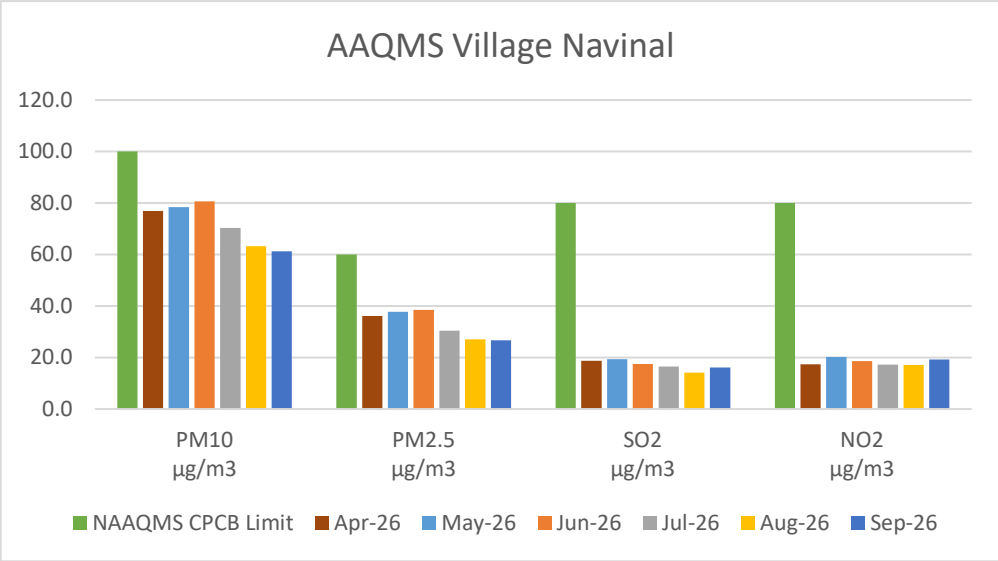

AAQMS MPL Project Site (Pocket -1)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26
Aug-26
Sep-26

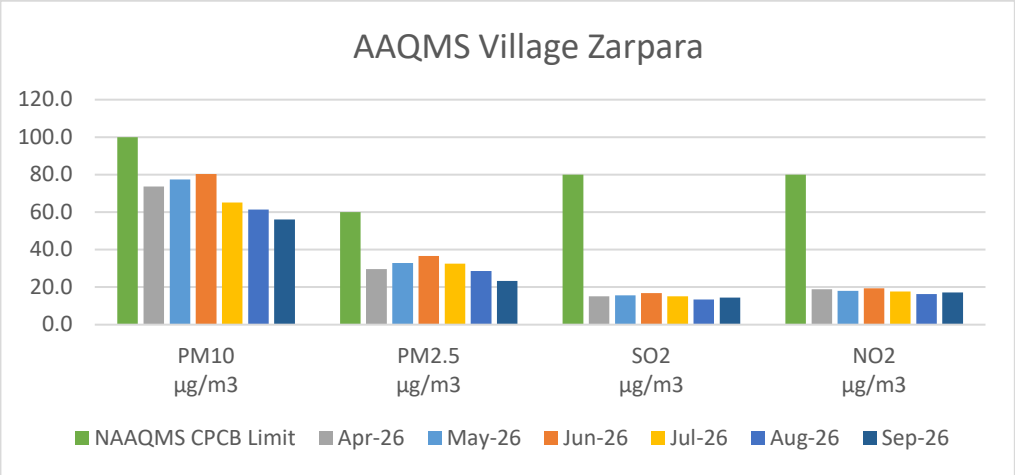

AAQM MPL Project Site (Pocket -1 Nr. Admin Building)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Aug-26
Sep-26

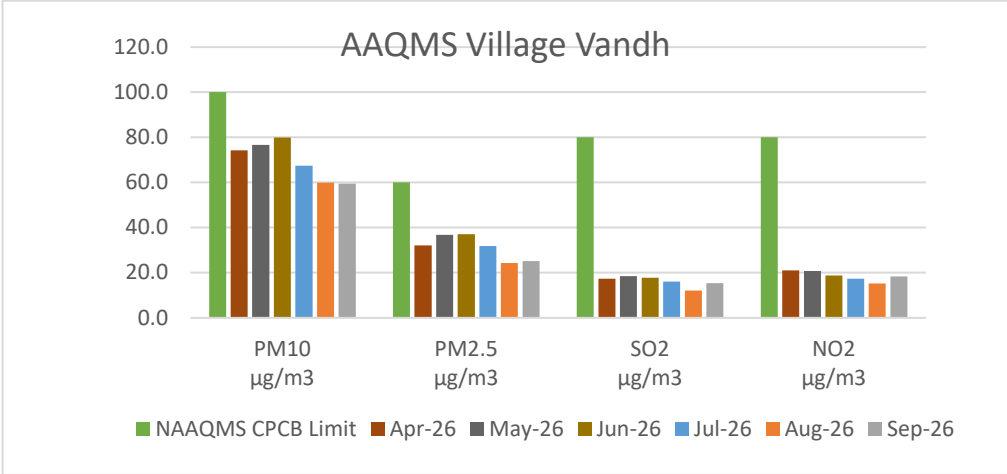

AAQM MPL Project Site (Near to Pocket -2)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26


AAQM MPL Project Site (Near to Pocket -3)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26
Aug-26
Sep-26


Near Fabrication and Batching Plant
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26
Aug-26
Sep-26


AAQMS Village Navinal
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26
Aug-26
Sep-26


AAQMS Village Zarpara
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26
Aug-26
Sep-26


AAQMS Village Vandh
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PM10 µg/m3
PM2.5 µg/m3
SO2 µg/m3
NO2 µg/m3
NAAQMS CPCB Limit
Apr-26
May-26
Jun-26
Jul-26
Aug-26
Sep-26

## 3.2 Ambient Noise

Ambient noise levels were monitored and analysed in terms of equivalent continuous sound level (Leq), including Leq (24-hour), Leq Day and Leq Night, at all designated noise monitoring locations.

| Ambient Noise Level in Leq | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No | Location | Day Time Noise Level in Leq | | | | | | | Night Time Noise Level in Leq | | | | | |
| | | CPCB Limits | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 | CPCB Limit | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 |
| 1 | PS (Pkt – 1) | 75 | 63.8 | 66.8 | 70.4 | 69.4 | 68.7 | 67.3 | 70 | 56.3 | 57.9 | 61.5 | 59.6 | 57.9 | 57.7 |
| 2 | PS (Pkt – 1) Nr. Ad. Bldg. | 75 | - | - | - | - | 59.3 | 63.4 | 70 | - | - | - | - | 53.0 | 54.2 |
| 3 | PS (Pkt – 2) | 75 | 55.7 | 56.4 | 57.4 | 65.2 | - | - | 70 | 49.8 | 50.4 | 51.7 | 52.3 | - | - |
| 4 | PS (Pkt – 3) | 75 | 60.8 | 64.3 | 66.8 | 68.3 | 69.4 | 68.1 | 70 | 54.7 | 55.8 | 60.3 | 61.4 | 59.8 | 60.5 |
| 5 | Nr. Fab. & Batch. Plant | 75 | 64.7 | 65.3 | 67.4 | 67.6 | 70.3 | 68.7 | 70 | 57.3 | 56.2 | 59.3 | 58.3 | 58.6 | 58.8 |
| 6 | Vill - Navinal | 55 | 48.2 | 49.8 | 47.2 | 49.2 | 46.4 | 48.0 | 45 | 39.7 | 39.1 | 41.3 | 40.7 | 42.0 | 41.9 |
| 7 | Vill - Zarpara | 55 | 47.5 | 48.2 | 50.3 | 51.4 | 51.2 | 51.9 | 45 | 38.1 | 36.2 | 37.7 | 38.9 | 38.9 | 40.2 |
| 8 | Vill - Vandh | 55 | 49.9 | 50.4 | 48.3 | 47.4 | 48.2 | 50.1 | 45 | 39.7 | 40.9 | 42.5 | 40.4 | 40.1 | 40.8 |

Report Ref. No.-

URA/26/04/AN-042 dt 22/04/2026, URA/26/04/AN-050 dt 29/04/2026. URA/26/04/AN-048 dt. 28/04/2026, URA/26/04/AN-045 dt. 23/04/2026, URA/26/04/AN-051 dt. 30/04/2026, URA/26/04/AN-047 dt. 28/04/2026, URA/26/04/AN-013 dt. 07/04/2026

URA/26/05/AN-031 dt. 20/05/2026, URA/26/05/AN-046 dt. 29/05/2026, URA/26/05/AN-035 dt. 21/05/2026, URA/26/05/AN-34 dt. 21/05/2026, URA/26/05/AN-045 dt 29/05/2026. URA/26/05/AN-047 dt. 30/05/2026, URA/26/05/AN-030 dt. 20/05/2026

URA/26/06/AN-033 dt. 25/06/2026, URA/26/06/AN-040 dt. 30/06/2026, URA/26/06/AN-038 dt 27/06/2026, URA/26/06/AN-037 dt 27/06/2026, URA/26/06/AN-035 dt. 26/06/2026, URA/26/06/AN-039 dt. 30/06/2026, URA/26/06/AN-036 dt. 26/06/2026

URA/26/07/AN-015 dt. 29/07/2026, URA/26/07/AN-021 dt. 31/07/2026, URA/26/07/AN-019 dt 30/07/2026. URA/26/07/AN-018 dt 29/07/2026, URA/26/07/AN-016 dt. 29/07/2026, URA/26/07/AN-020 dt. 30/07/2026, URA/26/07/AN-017 dt. 29/07/2026

URA/26/08/AN-004 dt. 22/08/2026, URA/26/08/AN-021 dt 26/08/2026, URA/26/08/AN-018 dt. 25/08/2026, URA/26/08/AN-005 dt. 22/08/2026, URA/26/08/AN-023 dt. 29/08/2026, URA/26/08/AN-022 dt 29/08/2026. URA/26/08/AN-024 dt. 29/08/2026

URA/26/09/AN-034 dt 29/09/2026, URA/26/09/AN-035 dt. 29/09/2026, URA/26/09/AN-036 dt. 29/09/2026, URA/26/09/AN-037 dt. 29/09/2026, URA/26/09/AN-032 dt. 26/09/2026, URA/26/09/AN-033 dt 26/09/2026. URA/26/09/AN-031 dt 25/09/2026

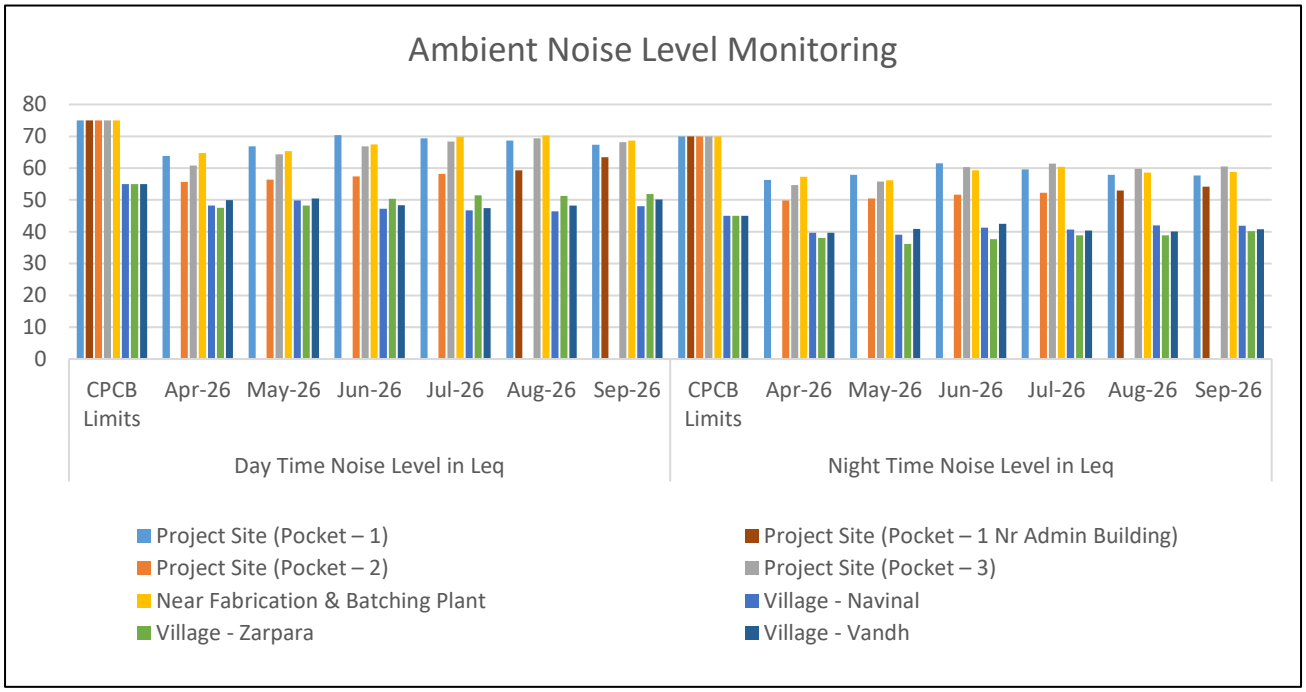
## Observations

### Industrial Zone

The daytime Leq (equivalent continuous sound level) in the industrial zone ranged from **55.7 dB(A) at Project Site (Pocket-2) to 70.4 dB(A) at Project Site (Pocket-1)**. During nighttime, the Leq levels ranged from **49.8 dB(A) at Project Site (Pocket-2) to 61.5 dB(A) at Project Site (Pocket-1)**. All monitored noise levels were within the prescribed CPCB limits of **75 dB(A) during daytime and 70 dB(A) during nighttime** for industrial areas.

### Residential Zone

The daytime Leq levels in the residential zone ranged from **46.4 dB(A) at Village Navinal to 51.9 dB(A) at Village Zarpara**. During nighttime, the Leq levels ranged from **36.2 dB(A) at Village Zarpara to 42.5 dB(A) at Village Vandh**. All monitored ambient noise levels were within the prescribed CPCB limits of **55 dB(A) during daytime and 45 dB(A) during nighttime** for residential areas.



## 3.3 Water Quality

### 3.3.1 Ground Water Quality

Ground water was collected as grab samples from eight location sent to laboratory for analysis for various parameters. The water quality findings from the ground water samples are outlined in the following table:

| Sr. No. | Parameter | Unit | IS 10500 Standard Limits for drinking water | | GW 01 Nani Khakhar | GW 02 Moti Khakhar | GW 03 Mota Kandagra | GW 04 Siracha | GW 05 Navinal | GW 06 Tunda | GW 07- Nana Bhadiya | GW 08 Deshalpar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Desirable limit | Per. Limit in abs. of Alt. So | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 |
| 1 | pH | pH scale | 6.5-8.5 | NR | 7.8 | 8.11 | 8.1 | 7.96 | 7.86 | 7.59 | 8.11 | 8.14 |
| 2 | Temp | o C | NS | NS | 30 | 30 | 30 | 30 | 30 | 29.5 | 29.5 | 30 |
| 3 | Turbidity | NTU | 1 | 5 | BDL(MDL:0.001) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) |
| 4 | TDS | mg/l | 500 | 2000 | 1004 | 1890 | 1804 | 1804 | 1850 | 1850 | 1742 | 1984 |
| 5 | Electrical Conductivity | µmhos/cm | NS | NS | 1520 | 2860 | 2650 | 2840 | 2870 | 2810 | 2640 | 3360 |
| 6 | COD | mg/l | NS | NS | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL2.0) | BDL(MDL2.0) | BDL(MDL2.0) | BDL(MDL:2.0) | BDL(MDL2.0) | BDL(MDL:2.0) |
| 7 | BOD | mg/l | NS | NS | BDL(MDL1.0) | BDL(MDL1.0) | BDL(MDL1.0) | BDL(MDL1.0) | BDL(MDL1.0) | BDL(MDL1.0) | BDL(MDL1.0) | BDL(MDL1.0) |
| 8 | Phenol | mg/l | 0.001 | 0.002 | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) |
| 9 | Chlorides | mg/l | 250 | 1000 | 234.2 | 521.3 | 570.2 | 555.5 | 722.4 | 508.8 | 528.3 | 812.9 |
| 10 | Sulphate | mg/l | 200 | 400 | 42.1 | 126.2 | 110.5 | 114.1 | 104.2 | 52.8 | 82 | 184.2 |
| 11 | Total Hardness | mg/l | 200 | 600 | 147 | 205.8 | 196 | 548.8 | 480.2 | 274.4 | 113.7 | 441 |
| 12 | Ca++ Hardness | mg/l | NS | NS | 98 | 88.2 | 58.8 | 225.4 | 215.6 | 147 | 58.8 | 176.4 |
| 13 | Mg++ Hardness | mg/l | NS | NS | 49 | 117.6 | 137.3 | 323.4 | 264.6 | 127.4 | 54.9 | 264.6 |
| 14 | Total Alkalinity | mg/l | 200 | 600 | 286.4 | 490.1 | 534.6 | 391.1 | 331.7 | 534.6 | 415.8 | 381.2 |
| 15 | Nitrate | mg/l | 45 | NR | 5.1 | 5.2 | 2.8 | 5.4 | 1.5 | 6.5 | 2.2 | 9.6 |

| Sr. No. | Parameter | Unit | IS 10500 Standard Limits for drinking water | | GW 01 Nani Khakhar | GW 02 Moti Khakhar | GW 03 Mota Kandagra | GW 04 Siracha | GW 05 Navinal | GW 06 Tunda | GW 07- Nana Bhadiya | GW 08 Deshalpar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Desirable limit | Per. Limit in abs. of Alt. So | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 |
| 16 | Fluoride | mg/l | 1 | 1.5 | 0.78 | 0.84 | 1.26 | 1.06 | 1,25 | 1.38 | 1.27 | 0.98 |
| 17 | Sodium | mg/l | NS | NS | 222 | 486 | 505 | 424 | 484 | 484 | 456 | 662 |
| 18 | Potassium | mg/l | NS | NS | 3.2 | 14.2 | 9.1 | 4.5 | 7.6 | 4.1 | 3.5 | 3.9 |
| 19 | Calcium | mg/l | 75 | 200 | 39.3 | 35.4 | 23.6 | 90.3 | 86.4 | 58.9 | 23.6 | 70.7 |
| 20 | Magnesium | mg/l | 30 | 100 | 11.9 | 28.6 | 33.3 | 78.6 | 64.3 | 31 | 13.3 | 64.3 |
| 21 | Salinity | mg/l | NS | NS | 0.42 | 0.94 | 1.03 | 1 | 1.31 | 0.92 | 0.95 | 1.47 |
| 22 | Total Nitrogen | mg/l | 0.5 | NR | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) |
| 23 | Total Phosphorus | mg/l | NS | NS | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| 24 | Dissolved Oxygen | mg/l | NS | NS | 6.5 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.3 | 6.4 |
| 25 | Ammoniacal Nitrogen | mg/l | NS | NS | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) |
| 26 | SAR | - | NS | NS | 8 | 14.7 | 15.7 | 7.9 | 9.6 | 12.7 | 18.6 | 13.8 |
| **Heavy Metals** | | | | | | | | | | | | |
| 27 | Arsenic (as As) | mg/l | 0.01 | 0.05 | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) |
| 28 | Cadmium (as Cd) | mg/l | 0.003 | NR | BDL (MDL:0.003) | BDL (MDL:0.003) | BDL (MDL:0.003) | BDL (MDL:0.003) | BDL (MDL:0.003) | BDL (MDL:0.003) | BDL (MDL:0.003) | BDL (MDL:0.003) |
| 29 | Chromium (as Cr) | mg/l | 0.05 | NR | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) |
| 30 | Copper (as Cu) | mg/l | 0.05 | 1.5 | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) |
| 31 | Cyanide (as CN) | mg/l | 0.05 | NR | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) |

| Sr. No. | Parameter | Unit | IS 10500 Standard Limits for drinking water | | GW 01 Nani Khakhar | GW 02 Moti Khakhar | GW 03 Mota Kandagra | GW 04 Siracha | GW 05 Navinal | GW 06 Tunda | GW 07- Nana Bhadiya | GW 08 Deshalpar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Desirable limit | Per. Limit in abs. of Alt. So | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 | May-26 |
| 32 | Iron (as Fe) | mg/l | 0.3 | NR | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) |
| 33 | Lead (as Pb) | mg/l | 0.01 | NR | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) | BDL (MDL:0.01) |
| 34 | Mercury (as Hg) | mg/l | 0.001 | NR | BDL (MDL:0.001) | BDL (MDL:0.001) | BDL (MDL:0.001) | BDL (MDL:0.001) | BDL (MDL:0.001) | BDL (MDL:0.001) | BDL (MDL:0.001) | BDL (MDL:0.001) |
| 35 | Manganese (as Mn) | mg/l | 0.1 | 0.3 | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) | BDL (MDL:0.1) |
| 36 | Nickel (as Ni) | mg/l | 0.02 | NR | BDL (MDL:0.02) | BDL (MDL:0.02) | BDL (MDL:0.02) | BDL (MDL:0.02) | BDL (MDL:0.02) | BDL (MDL:0.02) | BDL (MDL:0.02) | BDL (MDL:0.02) |
| 37 | Zinc (as Zn) | mg/l | 5 | 15 | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) | BDL (MDL:0.05) |
| 38 | Total Coliform | MPN | Shall not be detectable | | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| 39 | Faecal Coliforms | MPN | Shall not be detectable | | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| Report Ref. No. URC/26/XX/XXX & URB/26/XX/XXX | | | | | 05/L-1059<br>06/L-1060 | 05/L-1057<br>06/L-1058 | 05/L-1047<br>06/L-1048 | 05/L-1053<br>06/L-1054 | 05/L-1051<br>06/L-1052 | 05/L-1055<br>06/L-1056 | 05/L-1049<br>06/L-1050 | 05/L-1061<br>06/L-1061 |

**Observations :**

"The analysed results were compared with IS:10500 drinking water standards to evaluate compliance and ensure safety. "

### 3.3.2 Surface Water Quality

Surface water sample were collected as grab samples from four location. Same has been sent to laboratory for analysis for various parameters.

The water quality findings from the surface water samples are outlined in the following table:

| Sr. No. | Parameter | Unit | Classification for Inland Surface Water (CPCB) | SW 4 Nagavanti Nadi | SW 5 Zarpara village Pond | SW 6 Navinal village Pond | SW 07 Siracha village Pond | SW 08 Mota Bhadiya Pond |
|---|---|---|---|---|---|---|---|---|
| | | | Class E | May-26 | May-26 | May-26 | May-26 | May-26 |
| 1 | pH | pH Scale | 6.5 to 8.5 | 7.81 | 7.9 | 7.8 | 6.9 | 7.91 |
| 2 | Dissolved Oxygen | mg/l | NA | 5.2 | 6.4 | 6.5 | 5.9 | 6.3 |
| 3 | TDS | mg/l | 2100 | 1730 | 832 | 310 | 644 | 494 |
| 4 | Electrical Conductivity | µmohs/cm | 2250 | 2160 | 1310 | 480 | 982 | 750 |
| 5 | BOD | mg/l | NA | 7.2 | 6.3 | 6.0 | 3.8 | 4.1 |
| 6 | Colour | Pt.co | - | BDL(MDL:5.0) | BDL(MDL:5.0) | BDL(MDL:5.0) | BDL(MDL:5.0) | BDL(MDL:5.0) |
| 7 | Total Hardness | mg/l | NA | 725.2 | 117.6 | 82.3 | 117.6 | 176.4 |
| 8 | Ca++ Hardness | mg/l | NA | 264.6 | 62.7 | 43.1 | 74.5 | 90.2 |
| 9 | Mg++ Hardness | mg/l | NA | 460.6 | 54.9 | 39.2 | 43.1 | 86.2 |
| 10 | Chlorides | mg/l | 600 | 544 | 204.3 | 92.9 | 186.4 | 195.7 |
| 11 | Sulphate | mg/l | 1000 | 570 | 124.1 | 14.2 | 111.2 | 32.4 |
| 12 | Nitrate | mg/l | NA | 1.3 | 0.98 | 0.7 | 0.6 | 0.7 |
| 13 | Fluoride | mg/l | - | 1.31 | 0.48 | 0.65 | 0.41 | 0.82 |
| 14 | Phenol | mg/l | NA | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) |
| 15 | Ammoniacal Nitrogen | mg/l | NA | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) | BDL(MDL:0.2) |
| 16 | SAR | | 26 | 5.8 | 3.1 | 1.9 | 2.8 | 2.5 |
| 17 | Copper (as Cu) | mg/l | NA | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) |
| 18 | Iron (as Fe) | mg/l | NA | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) |
| 19 | Manganese (as Mn) | mg/l | NA | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) | BDL(MDL:0.1) |
| 20 | Mercury | mg/l | NA | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) |
| 21 | Cadmium (as Cd) | mg/l | NA | BDL(MDL:0.003) | BDL(MDL:0.003) | BDL(MDL:0.003) | BDL(MDL:0.003) | BDL(MDL:0.003) |

| Sr. No. | Parameter | Unit | Classification for Inland Surface Water (CPCB) | SW 4 Nagavanti Nadi | SW 5 Zarpara village Pond | SW 6 Navinal village Pond | SW 07 Siracha village Pond | SW 08 Mota Bhadiya Pond |
|---|---|---|---|---|---|---|---|---|
| | | | Class E | May-26 | May-26 | May-26 | May-26 | May-26 |
| 22 | Arsenic (as As) | mg/l | NA | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) |
| 23 | Cyanide | mg/l | NA | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) |
| 24 | Lead (as Pb) | mg/l | NA | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) |
| 25 | Zinc | mg/l | NA | BDL (MDL: 0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) |
| 26 | Chromium (as Cr) | mg/l | NA | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) | BDL(MDL:0.05) |
| 27 | Boron | mg/l | 2 | BDL(MDL:0.5) | BDL(MDL:0.5) | BDL(MDL:0.5) | BDL(MDL:0.5) | BDL(MDL:0.5) |
| 28 | Total Coliform | MPN/100ml | - | Absent | Absent | Absent | Absent | Absent |
| 29 | COD | mg/l | - | 20.4 | 36.4 | 20.4 | 12.3 | 28.4 |
| | | | Report Ref. No. | URC/26/05/L-1073 URC/26/06/L-1074 | URC/26/05/L-1071 URC/26/06/L-1072 | URC/26/05/L-1069 URC/26/06/L-1070 | URC/26/05/L-1076 URC/26/06/L-1076 | URC/26/05/L-1077 URC/26/06/L-1078 |

**Observations :**

The analysed results were compared with CPCB Inland Surface Water Classification (Class E) to assess water quality.

### 3.3.3 Surface Water (Marine) Quality

Surface water (Marine) was collected as grab samples from three location. Same has been sent to laboratory for analysis for various parameters.

The water quality findings from the surface water (marine) samples are outlined in the following table:

| Sr. No. | Parameter | Unit | Classification for Coastal marine water (CPCB) | SW 1- Intake channel of APL | SW 2- Kotadi Creek water | SW 3- Baradi mata creek |
|---|---|---|---|---|---|---|
| | | | SW I | May-26 | May-26 | May-26 |
| 1 | pH | pH scale | 6.5 to 8.5 | 7.9 | 8.05 | 8.21 |
| 2 | Dissolved Oxygen | mg/l | 5 | 6.7 | 6.2 | 6.4 |
| 3 | Colour & Odour | - | No Colour No Odour | 10 & Agreeable | 5 & Agreeable | 5 & Agreeable |
| 4 | Floating Matters | - | None | -- | -- | -- |

| Sr. No. | Parameter | Unit | Classification for Coastal marine water (CPCB) | SW 1- Intake channel of APL | SW 2- Kotadi Creek water | SW 3- Baradi mata creek |
|---|---|---|---|---|---|---|
| | | | SW I | May-26 | May-26 | May-26 |
| 5 | Total Suspended Solids (TSS) | mg/l | None from Sewage or Industrial waste Origin | 48 | 24 | 28 |
| 6 | Turbidity | NTU | - | 5 | 1 | 1 |
| 7 | BOD | mg/l | - | 3.4 | 3.4 | 3.1 |
| 8 | Oil & Grease | mg/l | 0.1 | BDL(MDL:2.0) | BDL(MDL:2.0) | BDL(MDL:2.0) |
| 9 | Mercury as Hg | mg/l | 0.01 | BDL(MDL:0.001) | BDL(MDL:0.001) | BDL(MDL:0.001) |
| 10 | Lead (as Pb) | mg/l | 0.01 | BDL(MDL:0.01) | BDL(MDL:0.01) | BDL(MDL:0.01) |
| 11 | Cadmium (as Cd) | mg/l | 0.01 | BDL (MDL : 0.003) | BDL (MDL : 0.003) | BDL (MDL : 0.003) |
| 12 | Iron (as Fe) | mg/l | - | 0.252 | 0.304 | 0.202 |
| 13 | Manganese (as Mn) | mg/l | - | BDL (MDL : 0.1) | BDL (MDL : 0.1) | BDL (MDL : 0.1) |
| 14 | Total Coliform | ml (MPN) | - | Absent | Absent | Absent |
| 15 | Sludge Deposits, Solid refuse floating Solids, Oil Grease and Scum | - | - | -- | -- | -- |
| 16 | COD | mg/l | - | 24.2 | 26.4 | 24.2 |
| | | | Report Ref. No. | URC/26/05/L-1063<br>URC/26/06/L-1064 | URC/26/05/L-1065<br>URC/26/06/L-1065 | URC/26/05/L-1067<br>URC/26/06/L-1068 |

## Observations :

These analysed results were subsequently compared against the Classification for Coastal marine water (CPCB)Class SW I & are found well within Limits

### 3.3.4 Sewage Water Quality

Sewage water samples was collected as grab samples from STP outlet and sent to laboratory for analysis for various parameters.

The water quality findings from the sewage water sampling locations are outlined in the following table:

| Sr. No. | Location | MOEFCC Limits | STP Outlet | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Apr-26 | May-26 | Jun-26 | Jul-26 | Aug-26 | Sep-26 |
| 1 | pH @25°C | 6.5 – 9.0 | 6.62 | 6.8 | 6.72 | 6.59 | 6.67 | 6.71 |
| 2 | Total Suspended Solids (TSS) | <50 | 14 | 20 | 16 | 12 | 14 | 16 |
| 3 | Chemical Oxygen Demand (COD) | - | 27.4 | 36.2 | 31.2 | 32.1 | 32.5 | 32.4 |
| 4 | Biochemical Oxygen Demand (BOD) (5 days at 20 0C) | <30 | 7 | 6.8 | 7.4 | 9 | 8.2 | 9 |
| 5 | Total Nitrogen | - | 6.4 | 8.1 | 7.2 | 5.3 | 5.8 | 4.2 |
| 6 | Total Phosphorus | - | 0.5 | 0.7 | 0.6 | 0.4 | 0.5 | 0.3 |
| 7 | Faecal Coliform | <1000 | 27 | 17 | 24 | 26 | 23 | 25 |
| **Report Ref. No.:** URC/26/04/0543, URC/26/05/0455, URC/26/06/0525, URC/26/07/0253, URC /26/08/0279, URC/26/09/0742 | | | | | | | | |

**Observations :**

The analysed results were reviewed against the standards prescribed by the Ministry of Environment, Forest and Climate Change (MoEF&CC) under notification GSR 1265(E) dated 13 October 2017 and were confirmed to be well within the stipulated limits.

### 3.4 Soil Quality

Soil was collected as grab samples from three location & sent to laboratory for analysis for various parameters.

The soil quality findings from the soil samples are outlined in the following table:

| Sr. No. | Parameter | Unit | ST1a Pocket 1 | ST1c Pocket 2 | Pocket 3 |
|---|---|---|---|---|---|
| | | | May-26 | May-26 | May-26 |
| 1 | Porosity | % | 46.3 | 42 | 35.5 |
| 2 | Water Holding Capacity | ml/100 gm | 32 | 31 | 31.9 |
| 3 | Permeability | Cm/Sec | 0.151 | 0.163 | 160 |
| 4 | Particle Size Distribution | | | | |
| a | Sand | % | 70 | 67 | 72 |
| b | Clay | % | 12 | 12.9 | 12.2 |
| c | Silt | % | 18 | 20.1 | 15.8 |
| 5 | Texture | classification | Sandy Loam | Sandy Loam | Sandy Loam |
| 6 | Cation Exchange Capacity | meq/100g | 5.2 | 6.2 | 17 |

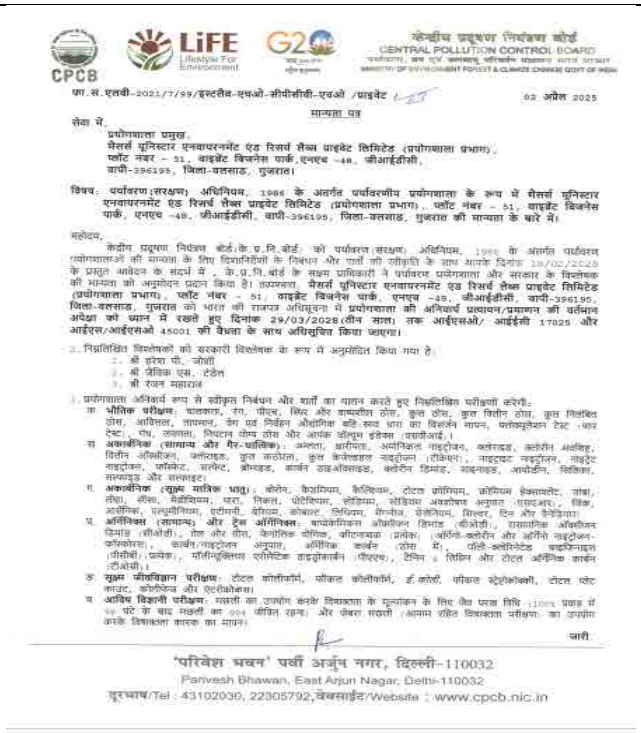
| Sr. No. | Parameter | Unit | ST1a Pocket 1 | ST1c Pocket 2 | Pocket 3 |
|---|---|---|---|---|---|
| | | | May-26 | May-26 | May-26 |
| 7 | SAR | -- | 4.1 | 5.3 | 2.1 |
| 8 | Electrical Conductivity | µs/cm | 160 | 227 | 330 |
| 9 | Exchangeable Sodium | -- | 7.5 | 12.2 | 9.2 |
| 10 | pH | -- | 8.82 | 8.86 | 8.04 |
| 11 | Calcium | -- | 445 | 502 | 2850 |
| 12 | Magnesium | meq/100gm | 134 | 152 | 94 |
| 13 | Sodium | meq/100gm | 380 | 525 | 424 |
| 14 | Potassium | mg/kg | 71 | 62.5 | 61 |
| 15 | Total Organic Carbon | mg/kg | 0.2 | 0.2 | 0.1 |
| 16 | Available Phosphorus | mg/kg | 7.8 | 8.58 | 8.3 |
| 17 | Available Potassium | mg/kg | 150 | 156 | 150.1 |
| **Report Ref. No.** | | | **URC/26/05/L-1081** | **URC/26/05/L-1082** | **URC/26/05/L-1083** |

## Observations :

Soil testing has been conducted to assess the present characteristics of the soil. The analytical results obtained from the testing are presented above.

# ANNEXURE

## Annexure 1: Laboratory Recognition by MOEFCC, NABL, GPCB Sch.II Auditor & NABET Certification



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD

फा.सं.एतवी-2021/7/99/इन्टरलैब-एचओ-सीपीसीबी-एचओ /ग्राइवेट 02 अप्रैल 2025

मान्यता पत्र

सेवा में,
प्रयोगशाला प्रमुख,
मैसर्स यूनिस्टार एनवायरनमेंट एंड रिसर्च लैब्स ग्राइवेट लिमिटेड (प्रयोगशाला प्रभाग),
प्लॉट नंबर – 51, वाइब्रेंट बिजनेस पार्क, एनएच –48, जीआईडीसी,
वापी-396195, जिला-वलसाड, गुजरात।

विषय: पर्यावरण (संरक्षण) अधिनियम, 1986 के अंतर्गत पर्यावरणीय प्रयोगशाला के रूप में मैसर्स यूनिस्टार एनवायरनमेंट एंड रिसर्च लैब्स ग्राइवेट लिमिटेड (प्रयोगशाला प्रभाग), प्लॉट नंबर – 51, वाइब्रेंट बिजनेस पार्क, एनएच –48, जीआईडीसी, वापी-396195, जिला-वलसाड, गुजरात की मान्यता के बारे में।

महोदय,

केंद्रीय प्रदूषण नियंत्रण बोर्ड/के.प्र.नि.बोर्ड, को पर्यावरण (संरक्षण) अधिनियम, 1986 के अंतर्गत पर्यावरण प्रयोगशालाओं की मान्यता के लिए दिशानिर्देशों के निर्धारण और उनमें की गई संशोधनों के साथ आपके दिनांक 10/02/2025 के प्रस्तुत आवेदन के संदर्भ में, के.प्र.नि.बोर्ड के सक्षम प्राधिकारी ने पर्यावरण प्रयोगशाला और परामर्श के विस्तारित की मान्यता को अनुमोदन प्रदान किया है। तदनुसार, मैसर्स यूनिस्टार एनवायरनमेंट एंड रिसर्च लैब्स ग्राइवेट लिमिटेड (प्रयोगशाला प्रभाग), प्लॉट नंबर – 51, वाइब्रेंट बिजनेस पार्क, एनएच –48, जीआईडीसी, वापी-396195, जिला-वलसाड, गुजरात को भारत की राजपत्र अधिसूचना में प्रयोगशाला की अनिवार्य प्रत्यायन/प्रमाणन की वर्तमान अपेक्षा को ध्यान में रखते हुए दिनांक 29/03/2028 (तीन साल) तक आईएसओ/ आईईसी 17025 और आईएस/आईएसओ 45001 की वैधता के साथ अधिसूचित किया जाएगा।

2. निम्नलिखित विश्लेषकों को सरकारी विश्लेषक के रूप में अनुमोदित किया गया है:
1. श्री धरेश पी. जोशी
2. श्री वेंकिश एम. टंडेल
3. श्री रंजन महाराज

3. प्रयोगशाला अनिवार्य रूप से स्वीकृत निर्बंधन और शर्तों का पालन करते हुए निम्नलिखित परीक्षणों करेगी:
क. भौतिक परीक्षण: घालवण, रंग, पीएच, सिंद और थाम्बरीय ठोस, कुल ठोस, कुल विलीन ठोस, कुल निलंबित ठोस, आविलता, तापमान, वेग एवं निर्वहन औद्योगिक बहि-स्राव धारा का विश्लेषण मापन, प्लवीलूलेशन टेस्ट (जार टेस्ट), रंध, लवणता, निपटान योग्य ठोस और आर्सेनिक वोलूम इंडेक्स (एसवीआई)।
ख. अकार्बनिक (सामान्य और गैर-धात्विक): अम्लता, क्षारीयता, अमोनिकल नाइट्रोजन, क्लोराइड, क्लोरीन अवशिष्ट, वितरित ऑक्सीजन, फ्लोराइड, कुल कठोरता, कुल केजेलडाल नाइट्रोजन (टीकेएन), नाइट्राइट नाइट्रोजन, नाइट्रेट नाइट्रोजन, फास्फेट, सल्फेट, क्रोमाइड, कार्बन डाइऑक्साइड, क्लोरीन डिमांड, साइनाइड, आर्सेनिक, सिलिका, सल्फाइड और सल्फाइट।
ग. अकार्बनिक (सूक्ष्म मात्रिक धातु): बोरोन, कैल्शियम, कैल्शियम, टोटल क्रोमियम, क्रोमियम हेक्साक्लेट, ताम्बा, लोहा, सीसा, मैग्नीशियम, पारा, निकल, पोटेशियम, सेलेनियम, सोडियम अवशोषण अनुपात (एसएआर), सिल्क, आर्सेनिक, एल्यूमीनियम, बरीलयी, बेरियम, कोबाल्ट, लिथियम, मैंगनीज, मोलिब्डेनम, सिल्वर, टिन और टेलेडियम।
घ. ऑर्गेनिक्स (सामान्य) और ट्रेस ऑर्गेनिक्स: बायोकेमिकल ऑक्सीजन डिमांड (बीओडी), रासायनिक ऑक्सीजन डिमांड (सीओडी), तेल और ग्रीस, क्लोरोफिल फीनिक, फिनोलमय (प्रत्येक) (ऑर्गेनो-क्लोरीन और ऑर्गेनो नाइट्रोजन-फॉस्फोरस), कार्बन/नाइट्रोजन अनुपात, ऑर्गेनिक कार्बन (टोस में), पॉली-क्लोरिनेटेड बाइफिनाइल (पीसीबी) (प्रत्येक), मॉलिब्डिनम एरोमेटिक हाइड्रोकार्बन (पीएच), टैनिन & लिग्निन और टोटल ऑर्गेनिक कार्बन (टीओसी)।
ङ. सूक्ष्म जीवविज्ञान परीक्षण: टोटल कॉलीफॉर्म, फीकल कॉलीफॉर्म, ई.कोली, पीवाल स्ट्रेप्टोकोक्की, टोटल प्लेट काउंट, कोलीफेज और ऐरोबोकास।
च. आविष विज्ञानी परीक्षण: मछली का उपयोग करके विषाक्तता के मूल्यांकन के लिए जैव परख विधि (1961 पेपर में 96 घंटे के बाद मछली का 90% जीवित रहना) और जेबरा मछली (आयाम रहित विषाक्तता परीक्षण) का उपयोग करके विषाक्तता कारक का मापन।

जारी

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032
दूरभाष/Tel : 43102030, 22305792, वेबसाईट/Website : www.cpcb.nic.in

**Laboratory Recognition by MOEFCC**



National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

UNISTAR ENVIRONMENT AND RESEARCH LABS PVT. LTD. (LABORATORY DIVISION)

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

PLOT NO. 51, VIBRANT BUSINESS PARK, NH-48, GIDC, VAPI, VALSAD, GUJARAT, INDIA

in the field of

TESTING

Certificate Number: TC-4515C

Issue Date: 23/01/2025 Valid Upto: 22/01/2028

This certificate supersedes the Certificate No. TC-7745 with effect from 23/01/2024 in view of change in premises of the laboratory.

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(Details of the scope of accreditation (fixed/mobile/temporary) are available in NABL website www.nabl-india.org)

Name of Legal Entity: UNISTAR ENVIRONMENT AND RESEARCH LABS PVT. LTD.

Signed for and on behalf of NABL

Arnija Anand
Director

N. Venkateswaran
Chief Executive Officer

**Laboratory Recognition by NABL**



GUJARAT POLLUTION CONTROL BOARD
Paryavaran Bhavan
Sector - 10 A, Gandhinagar - 382 010.

R.A.P.D

No. GPCB/EAC/SCH-II/25/ 80944 Date: 09 JUL 2026

To,
Unistar Environment and Research Labs Pvt. Ltd.
Plot No. 51, Vibrant Business Park, NH-48,
GIDC, Vapi, 396195, Dist. Valsad.

Sub: - Renewal of Recognition as Schedule-II Environmental Auditor with team member change.
Sir,

This refers to your application for renewal of recognition as Schedule-II Environmental Auditor along with team member change and subsequent visit of your laboratory by Environment Audit Committee members. It is recommended by the Environment Audit Committee members, to renew the recognition of your firm as Schedule-II Environmental Auditor along with two team members change for carrying out the Environmental Audit under Environment Audit Scheme with following conditions.

1) Recognition is valid up to 31/12/2027.
2) You shall have maximum two teams for the Environment Audit.
3) You shall carry out maximum 30 nos. of Environment Audit in a year.
4) Team members shall be as under :

| Sr. No. | Name | Designation |
|---|---|---|
| Team-1 | | |
| 1 | Mr. G.G. Thumar | Environment Engineer |
| 2 | Mr. Devang B. Patel | Chemical Engineer |
| 3 | Mr. Jaivik S. Tandel | Chemist |
| 4 | Mr. Ranjan Maharaj | Microbiologist |
| Team-2 | | |
| 1 | Ms. Divya K. Patel | Environment Engineer |
| 2 | Ms. Bijal J. Patel | Chemical Engineer |
| 3 | Mr. Viral A Patel | Chemist |
| 4 | Ms. Kinjal I. Dhimmar | Microbiologist |

5) You shall prepare and submit the Environment Audit report and to comply the conditions for Environment Auditors as per the Hon'ble High Court order dated 20/12/1996, 13/03/1997, 16/09/1999, and also the Guidelines prepared by Gujarat Pollution Control

Clean Gujarat Green Gujarat P.T.O
An ISO 9001: 2008 & ISO 14001: 2004 Certified Organization

**Laboratory Recognition by GPCB**



भारतीय गुणवत्ता परिषद
QUALITY COUNCIL OF INDIA

National Accreditation Board for Education and Training

Certificate of Accreditation

UniStar Environment and Research Labs Pvt. Ltd.
Plot No. 51, Vibrant Business Park, NH-48, GIDC, Vapi, Gujarat, PIN-396195

UniStar Environment and Research Labs Pvt. Ltd. Vapi is Re-Accredited (RA5) as Category-A organization under the QCI-NABET Scheme for Accreditation of EIA Consultant Organizations (Version 3), for the preparation of EIA/EMP reports in the sectors listed below, as per the specified categories

| S. No | Sector Description | Sector (as per) NABET | Sector (as per) MoEFCC | Cat. |
|---|---|---|---|---|
| 1. | Thermal power plants | 4 | 1 (d) | A |
| 2. | Metallurgical industries (ferrous & non-ferrous) | 8 | 3 (a) | A |
| 3. | Manmade fibers manufacturing | 19 | 5 (d) | A |
| 4. | Petrochemical based processing (processes other than cracking & reformation and not covered under the complexes) | 20 | 5 (e) | A |
| 5. | Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) | 21 | 5 (f) | A |
| 6. | Integrated paint industry | 23 | 5 (h) | B |
| 7. | Air ports | 29 | 7 (a) | A |
| 8. | Building and construction projects | 38 | 8 (a) | B |

Note: Names of approved experts and sectors are mentioned in RAAC minutes dated January 22, 2026, posted on QCI-NABET website.

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no QCI/NABET/ENV/ACO/26/4017 dated January 28, 2026. The accreditation needs to be renewed before the expiry date by UniStar Environment and Research Labs Pvt. Ltd following due process of assessment.

Valid up to
February 15, 2029

Issue Date
January 28, 2026

Certificate No.
NABET/EIA/26-29/RA 0476

Prof (Dr) Varinder S Kanwar
(CEO – NABET)

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to QCI-NABET website.

**NABET Certification**

## Annexure 2: Calibration Certificates



**Calibration Certificate**

| | | |
|---|---|---|
| Instrument Name | : | Respirable Dust Sampler |
| Instrument ID No. | : | UERL/AIR/RDS/15 |
| Instrument Sr. No. Supplier | : | 2345-DTB-2012,1039-DTC-2012 |
| Calibration Certificate No. | : | **UERL/CC/RDS-15/1219/25-26** |
| Date of Calibration | : | 19/12/2025 |
| Next Calibration due Date | : | 18/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Flow Meter | Top Loading Orifice Envirotech Calibration Laboratory Id No.: (UERL/MASTER/AIR/AA/MM/01) | ECL/UERLPL/2025-26/FLOW/3146 Date of Call.: 23.08.2025 |
| | ID. No. (UERL/AIR/RDS/FM/15) | Differential pressure meter Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/MECH/3147 Date of Call.: 23.08.2025 |
| 2. | Time Totalizer | Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/ET/5598 |
| | ID. No. (UERL/AIR/RDS/TT/15) | ID. No. (UERL/MASTER/AIR/TT/01) | Date of Call.: 06.12.2025 |
| 3. | Rotameter | Rotameter Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/FLOW/5597 |
| | ID. No. (UERL/AIR/RDS/RM/15) | ID. No. (UERL/MASTER/AIR/RM/02) | Date of Call.: 05.12.2025 |

- UNCERTAINTY MEASUREMENT: Flow Meter : ± 0.061 m³/min.
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour
- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.160 LPM

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution

Prepared By: Senior chemist — Approved By: Technical manager

Page 1 of 1 — UERL/AIR/F-73/00

**Calibration Certificate for RDS**



**Calibration Certificate**

| | | |
|---|---|---|
| Instrument Name | : | Fine Particulate Sampler |
| Instrument ID No. | : | UERL/AIR/FPS/13 |
| Instrument Sr. No. Supplier | : | 132-DTL-2012 |
| Calibration Certificate No. | : | UERL/CC/FPS-13/1219/25-26 |
| Date of Calibration | : | 19/12/2025 |
| Next Calibration due Date | : | 18/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Rotameter | Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/FLOW/5596 |
| | ID. No. (UERL/AIR/FPS/RM/13) | ID No. (UERL/MASTER/AIR/RM/01) | Date of Call.: 06.12.2025 |
| 2. | Time Totalizer | Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/ET/5598 |
| | ID. No. (UERL/AIR/FPS/TT/13) | ID. No. (UERL/MASTER/AIR/TT/01) | Date of Call.: 06.12.2025 |

- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.475 LPM
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k – 2 which corresponds to coverage probability of approximately 95 % of normal distribution.

Prepared By: Senior chemist — Approved By: Technical manager

Page 1 of 1 — UERL/AIR/F-75/00

**Calibration Certificate for FPS**



**Calibration Certificate**

| | | |
|---|---|---|
| Instrument Name | : | Respirable Dust Sampler |
| Instrument ID No. | : | UERL/AIR/RDS/16 |
| Instrument Sr. No. Supplier | : | 1744-DTA-2013,1127-DTJ-2012 |
| Calibration Certificate No. | : | **UERL/CC/RDS-16/1218/25-26** |
| Date of Calibration | : | 18/12/2025 |
| Next Calibration due Date | : | 17/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Flow Meter | Top Loading Orifice Envirotech Calibration Laboratory Id No.: (UERL/MASTER/AIR/AA/MM/01) | ECL/UERLPL/2025-26/FLOW/3146 Date of Call.: 23.08.2025 |
| | ID. No. (UERL/AIR/RDS/FM/16) | Differential pressure meter Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/MECH/3147 Date of Call.: 23.08.2025 |
| 2. | Time Totalizer | Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/ET/5598 |
| | ID. No. (UERL/AIR/RDS/TT/16) | ID. No. (UERL/MASTER/AIR/TT/01) | Date of Call.: 06.12.2025 |
| 3. | Rotameter | Rotameter Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/FLOW/5597 |
| | ID. No. (UERL/AIR/RDS/RM/16) | ID. No. (UERL/MASTER/AIR/RM/02) | Date of Call.: 05.12.2025 |

- UNCERTAINTY MEASUREMENT: Flow Meter : ± 0.061 m³/min.
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour
- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.160 LPM

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution

Prepared By: Senior chemist — Approved By: Technical manager

Page 1 of 1 — UERL/AIR/F-73/00

**Calibration Certificate for RDS**



**Calibration Certificate**

| | | |
|---|---|---|
| Instrument Name | : | Fine Particulate Sampler |
| Instrument ID No. | : | UERL/AIR/FPS/14 |
| Instrument Sr. No. Supplier | : | 137-DTD-2013 |
| Calibration Certificate No. | : | UERL/CC/FPS-14/1218/25-26 |
| Date of Calibration | : | 18/12/2025 |
| Next Calibration due Date | : | 17/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Rotameter | Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/FLOW/5596 |
| | ID. No. (UERL/AIR/FPS/RM/14) | ID No. (UERL/MASTER/AIR/RM/01) | Date of Call.: 06.12.2025 |
| 2. | Time Totalizer | Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/ET/5598 |
| | ID. No. (UERL/AIR/FPS/TT/14) | ID. No. (UERL/MASTER/AIR/TT/01) | Date of Call.: 06.12.2025 |

- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.475 LPM
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution.

Prepared By: Senior chemist — Approved By: Technical manager

Page 1 of 1 — UERL/AIR/F-75/00

**Calibration Certificate for FPS**



Calibration Certificate

| | | |
|---|---|---|
| Instrument Name | : | Respirable Dust Sampler |
| Instrument ID No. | : | UERL/AIR/RDS/17 |
| Instrument Sr. No. Supplier | : | 1745-DTA-2013,,1139-DTA-2013 |
| Calibration Certificate No. | : | **UERL/CC/RDS-17/1219/25-26** |
| Date of Calibration | : | 19/12/2025 |
| Next Calibration due Date | : | 18/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Flow Meter<br>ID. No. (UERL/AIR/RDS/FM/17) | Top Loading Orifice Envirotech Calibration Laboratory Id No.: (UERL/MASTER/AIR/AA/MM/01)<br>Differential pressure meter Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/FLOW/3146 Date of Cali.: 23.08.2025<br>ECL/UERLPL/2025-26/MECH/3147 Date of Cali.: 23.08.2025 |
| 2. | Time Totalizer<br>ID. No. (UERL/AIR/RDS/TT/17) | Envirotech Calibration Laboratory<br>ID. No. (UERL/MASTER/AIR/TT/01) | ECL/UERLPL/2025-26/ET/5598<br>Date of Cali.: 06.12.2025 |
| 3. | Rotameter<br>ID. No. (UERL/AIR/RDS/RM/17) | Rotameter Envirotech Calibration Laboratory<br>ID. No. (UERL/MASTER/AIR/RM/02) | ECL/UERLPL/2025-26/FLOW/5597<br>Date of Cali.: 05.12.2025 |

- UNCERTAINTY MEASUREMENT: Flow Meter : ± 0.061 m³/min.
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour
- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.160 LPM

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution

Prepared By: Senior chemist

Approved By: Technical manager

Page 1 of 1 UERL/AIR/F-73/00



Calibration Certificate

| | | |
|---|---|---|
| Instrument Name | : | Fine Particulate Sampler |
| Instrument ID No. | : | UERL/AIR/FPS/15 |
| Instrument Sr. No. Supplier | : | 125-DTD-2013 |
| Calibration Certificate No. | : | UERL/CC/FPS-15/1219/25-26 |
| Date of Calibration | : | 19/12/2025 |
| Next Calibration due Date | : | 18/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Rotameter<br>ID. No. (UERL/AIR/FPS/RM/15) | Envirotech Calibration Laboratory<br>ID No. (UERL/MASTER/AIR/RM/01) | ECL/UERLPL/2025-26/FLOW/5596<br>Date of Cali.: 06.12.2025 |
| 2. | Time Totalizer<br>ID. No. (UERL/AIR/FPS/TT/15) | Envirotech Calibration Laboratory<br>ID. No. (UERL/MASTER/AIR/TT/01) | ECL/UERLPL/2025-26/ET/5598<br>Date of Cali.: 06.12.2025 |

- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.475 LPM
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution.

Prepared By: Senior chemist

Approved By: Technical manager

Page 1 of 1 UERL/AIR/F-75/00

**Calibration Certificate for RDS** | **Calibration Certificate for FPS**



Calibration Certificate

| | | |
|---|---|---|
| Instrument Name | : | Respirable Dust Sampler |
| Instrument ID No. | : | UERL/AIR/RDS/18 |
| Instrument Sr. No. Supplier | : | 1751-DTA-2013 1142-DTA-2013 |
| Calibration Certificate No. | : | **UERL/CC/RDS-18/1220/25-26** |
| Date of Calibration | : | 20/12/2025 |
| Next Calibration due Date | : | 19/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Flow Meter<br>ID. No. (UERL/AIR/RDS/FM/18) | Top Loading Orifice Envirotech Calibration Laboratory Id No.: (UERL/MASTER/AIR/AA/MM/01)<br>Differential pressure meter Envirotech Calibration Laboratory | ECL/UERLPL/2025-26/FLOW/3146 Date of Cali.: 23.08.2025<br>ECL/UERLPL/2025-26/MECH/3147 Date of Cali.: 23.08.2025 |
| 2. | Time Totalizer<br>ID. No. (UERL/AIR/RDS/TT/18) | Envirotech Calibration Laboratory<br>ID. No. (UERL/MASTER/AIR/TT/01) | ECL/UERLPL/2025-26/ET/5598<br>Date of Cali.: 06.12.2025 |
| 3. | Rotameter<br>ID. No. (UERL/AIR/RDS/RM/18) | Rotameter Envirotech Calibration Laboratory<br>ID. No. (UERL/MASTER/AIR/RM/02) | ECL/UERLPL/2025-26/FLOW/5597<br>Date of Cali.: 05.12.2025 |

- UNCERTAINTY MEASUREMENT: Flow Meter : ± 0.061 m³/min.
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour
- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.160 LPM

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution

Prepared By: Senior chemist

Approved By: Technical manager

Page 1 of 1 UERL/AIR/F-73/00



Calibration Certificate

| | | |
|---|---|---|
| Instrument Name | : | Fine Particulate Sampler |
| Instrument ID No. | : | UERL/AIR/FPS/16 |
| Instrument Sr. No. Supplier | : | 129-DTL-2012 |
| Calibration Certificate No. | : | UERL/CC/FPS-16/1220/25-26 |
| Date of Calibration | : | 20/12/2025 |
| Next Calibration due Date | : | 19/12/2026 |

| Sr. No. | Name of Unit Calibrated | Calibrator Traceable to | Calibration Certificate No. Date of Calibration |
|---|---|---|---|
| 1. | Rotameter<br>ID. No. (UERL/AIR/FPS/RM/16) | Envirotech Calibration Laboratory<br>ID No. (UERL/MASTER/AIR/RM/01) | ECL/UERLPL/2025-26/FLOW/5596<br>Date of Cali.: 06.12.2025 |
| 2. | Time Totalizer<br>ID. No. (UERL/AIR/FPS/TT/16) | Envirotech Calibration Laboratory<br>ID. No. (UERL/MASTER/AIR/TT/01) | ECL/UERLPL/2025-26/ET/5598<br>Date of Cali.: 06.12.2025 |

- UNCERTAINTY MEASUREMENT: Rotameter : ± 0.475 LPM
- UNCERTAINTY MEASUREMENT: Time Totalizer : ± 0.031 hour

The reported uncertainty is the expanded uncertainty in measurement at 95 % Confidence level with coverage fact or k = 2 which corresponds to coverage probability of approximately 95 % of normal distribution.

Prepared By: Senior chemist

Approved By: Technical manager

Page 1 of 1 UERL/AIR/F-75/00

**Calibration Certificate for RDS** | **Calibration Certificate for FPS**



Matrix Test & Cal LLP
CERTIFIED CALIBRATION & VALIDATION SERVICES

CC-2664

## CALIBRATION CERTIFICATE

| SUBJECT: CALIBRATION OF SOUND LEVEL METER | CERTIFICATE NO.: MTCL/MCH/2514/04/2025-26 | |
|---|---|---|
| | Certificate Issue Date 15/12/2025 | Page 1 of 1 |

1. **Scope**

| | | |
|---|---|---|
| 1.1 | Service Request Details | Calibration |
| 1.1.1 | Service Request No. | MTCL/2514/25-26 |
| 1.1.2 | Service Request Finalized On | 10/12/2025 |
| 1.1.3 | Unique Lab Report Number (ULR No.) | CC266425000099549F |
| 1.1.4 | Discipline / Group | Mechanical / Acoustics |
| 1.1.5 | Name & Address of Organization | UNISTAR ENVIRONMENT AND RESEARCH LABS. PVT. LTD. (LABORATORY DIVISION) Plot No. 51, Vibrant Business Park, GIDC, Vapi, Gujarat, India, 396195. |

1.2 **Item Details**

1.2.1 Condition of the Item: Working

1.2.2

| | | | |
|---|---|---|---|
| Nomenclature | SOUND LEVEL METER | | |
| Make | Metravi | Model No. | SL-4015 |
| ID No. | UERL/AIR/SLM/02 | Sr.No. | 221209404 |
| Range | 30 to 130 dB dB @1 kHz | Type | Digital |
| Least Count | 0.1 dB @1 kHz | Accuracy / Accep. Crite. | --- |
| Department | --- | Location | --- |

1.3 Item Received On: Dt. 12/12/2025

1.4 **Metrological Traceability Details**

| Instrument Name | Range | UID No. | Certificate No. | Accreditation No. | Due Date |
|---|---|---|---|---|---|
| Sound Level Calibrator | 94 dB & 114 dB | ML/MSLC/001 (1328674) | SSPL5935 | CC-2931 | 08/09/2026 |

1.4.1 Operating Procedures Used: ML/SOP/M/AC/001

1.4.2 Reference Standard: IS : 9779:1981

1.5 Date of Calibration: 13-December-2025

1.6 Recommended Due Date of Calibration: 12-December-2026

1.7 OBSERVATIONS:

1.7.1 Calibrated At: Laboratory Ambient: Temperature: 24.3 °C Humidity: 52.4 %RH

1.7.2 Parameter:Sound (dB @1 kHz)

1.7.3 CALIBRATION RESULTS

| Sr. No. | Calibration Point | Set Value on IUC (A) | Measured Value on Master (B) | Error (A - B) | (±) Expanded Uncertainty |
|---|---|---|---|---|---|
| 1 | 94 | 94 | 94.2 | -0.2 | 0.670 dB @1 kHz |
| 2 | 114 | 114 | 114.5 | -0.5 | 0.670 dB @1 kHz |

Note: The value mentioned above is the mean of 5 readings.

1.8 **General Remarks:**

• The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95% for a normal distribution.

Calibrated By: Abhishek Singh, Technical Manager

AUTHORISED SIGNATORY

Ranjit Rohit / Hitesh Patel
Technical Director / Quality Manager

MATRIX TEST & CAL LLP 396195 VAPI

End of Certificate

Doc. No. Form 21, Amend. 01 Dt. 03-03-2025

B-209 & B-210 2nd Floor, "B" Wing, M Cube,The Business Hub, Opp. Taluka Seva Sadan, Balitha, Vapi-396 191 Gujarat (India) Cell:098253 17475,Off. 097238 20970
Website : www.matrixlab.in, E-mail : info@matrixlab.co.in, matrixvapi@rediffmail.com

CERTIFICATE

**Calibration Certificate for Sound Level Meter**

# UniStar Environment & Research Labs Pvt. Ltd.

White House, Near GIDC Office, Char Rasta, Vapi,

Gujarat, India – 396195



# Wildlife Conservation






| SR. NO. | ACTIVITY | VILLAGES / AREA | STATUS | REMARK |
|---|---|---|---|---|
| 1 | Plantation program for coservation of habitat | Nearby Villages | Fulfilled | 211512+ trees have been planted at nearby villages. (Including Commiphora wighhati – Gugal) |
| 2 | Awareness Programme for "Wild life" Conservation – Educational Program. | Tunda (1st Year) | Fulfilled* | Awareness Programme have been conducted under Eco Club Programme. (* : 70 number of schools from nearby 16 villages and Mundra & Mandavi towns have been covered under "ECO CLUB" which are formed for generating awareness on environmental best practices, wildlife conservation, Mangrove conservation, sustainability and Earth eco system.) |
| | | Vandh (2nd Year) | Fulfilled* | |
| | | Navinal (3rd Year) | Fulfilled* | |
| | | Siracha (4th Year) | Fulfilled* | |
| | | Kandagra (5th Year) | Fulfilled* | |
| 3 | Artificial Concreate water pond of 1000 lit capacity to provide drinking water facility for wild animals. | 2 villages in study area | Fulfilled | Two "Guzzler" drinking water units, each with a capacity of more than 1,000 liters, have been installed at sites recommended by the District Forest Department, Government of Gujarat, for easily access of drinking water to wildlife. |
| 4 | Mangrove Plantation (1000 no. of plant per Ha.) | Near by project area. | Fulfilled | 10000 numbers of mangrove plantation have been done in vicinity of plant premises. |

Chef Wildlife Warden, Gujarat vide letter no. WLP/32/C/297-298/2022-23 dated 18th June 2022 has approved wildlife conservation plan for the project.

A "Wildlife Conservation" awareness program was held in a nearby village. The session addressed the definition, significance, and necessity of wildlife conservation, along with the various methods involved. Additionally, it showcased initiatives undertaken by Mundra Petrochem Limited in partnership with Adani Foundations for the benefit of nearby villages and coastal regions.

Under the Eco Club initiative, Adani Foundation team have carried out wildlife awareness programs across 70 schools in nearby villages since last four years, including those in the Mundra and Mandvi town areas. These programs focused on promoting environmental awareness, covering key topics such as wildlife conservation, alternatives to single-use plastics, and mangrove preservation.





More than 6,000 students took part in these programs, developing an understanding of the ecological significance of their local environment, including the interdependence of life on barren land and coastal regions.

Students were also introduced to the sanctuary and reserve forest areas within the district, along with the conservation measures in place to protect wildlife.



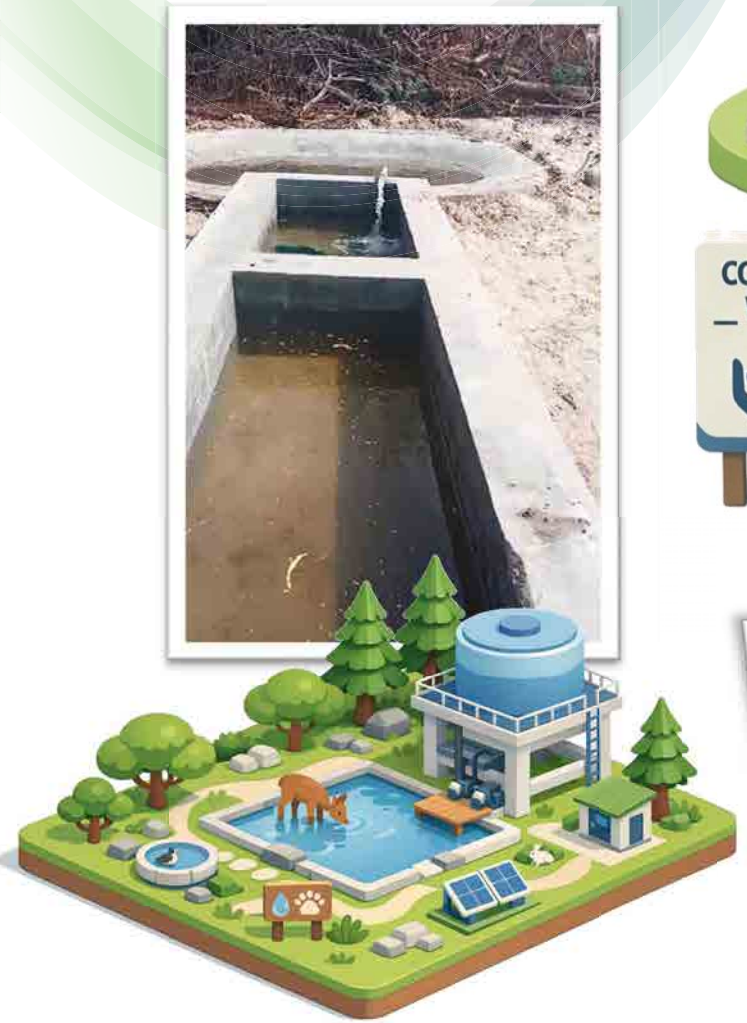
Mangroves, which are salt-tolerant trees and shrubs, flourish in coastal intertidal zones. These unique ecosystems are present along the coastlines of Mundra and Mandavi talukas including near the MPL premises. Mangrove forests play a vital role in maintaining healthy coastal environments and supporting nearby communities.



Mangrove plantation have been carried out at nearby PVC Project area – Kotadi Creek with avicennia marina as a local mangrove species. In addition to this, MPL is conserving mangroves through experts by constant supervision so that survival rate shall be more than 90%.



Two "Guzzler" water stations for wild animals now stand in the Reserve forest area of Navinal Dhuvo, near Bardimata Temple. Their construction followed the approved wildlife conservation plan, with collaboration and guidance from the District Forest Department, Kutch.








Annexure - VII

# CORPORATE ENVIRONMENTAL RESPONSIBILITY

APRIL – SEPTEMBER, 2026




## MUNDRA PETROCHEM LIMITED

## EDUCATIONAL INITIATIVES

Quality education, infrastructure, girl child education awareness

## COMMUNITY HEALTH

Medical assistance, health awareness

## SUSTAINABLE LIVELIHOOD

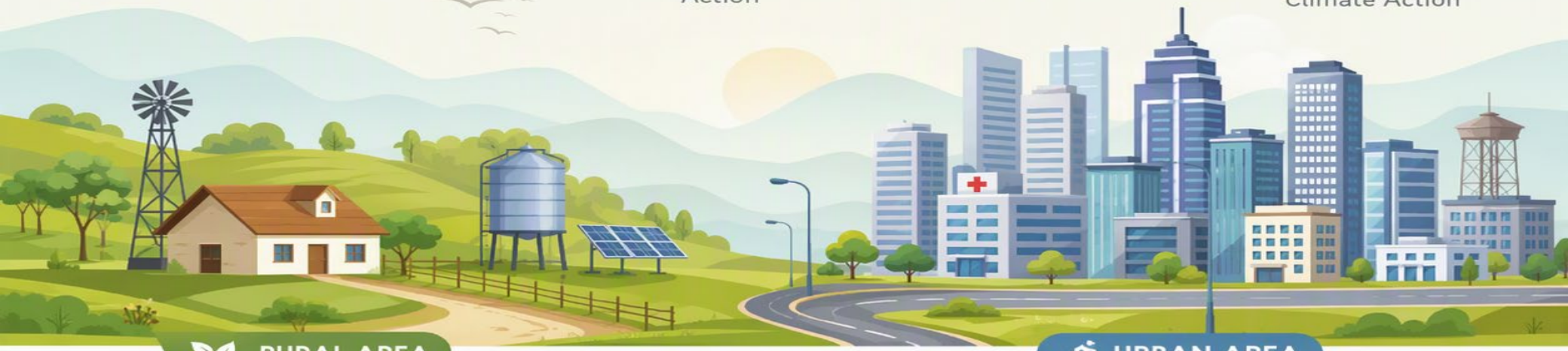
Community to meet their present needs, long term well – being, Climate Action

## WOMEN EMPOWERMENT

Sustainable livelihoods, financial empowerment, skill development

## RURAL INFRASTRUCTURE

Water conservation, road infrastructure, clean drinking water systems Climate Action



RURAL AREA

URBAN AREA

**This report outlines the key achievements of Mundra Petrochem Limited (MPL) in its Corporate Environmental Responsibility (CER) efforts from April to September, 2026.**

MPL continues to focus on creating positive impacts in the communities surrounding PVC projects, prioritizing environmental sustainability, community development, and fostering better health outcomes.



MPL's Corporate Environmental Responsibility (CER) program goes beyond carbon footprint reduction. It adopts a comprehensive strategy based on thorough scientific principles. This wide-ranging effort tackles environmental issues, strengthens ecological resilience, and supports local communities.

# Linkage with Global Sustainability Goals



Enhancing economic opportunities, Improving education and extending social support



Promoting natural farming for a healthy lifestyle and conducting health camps to address the health issues.



Educational, sports amenities and transporting facilities to girls and boys for equitable and quality primary and secondary education.



Ensuring clean water availability & developing water restoring facilities / ground water recharge system for sustainability



Productive employment and decent work for all women and men through Skilling Programme



Use of Best available technology & infrastructure for clean production & Sustainability

1 NO POVERTY

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

6 CLEAN WATER AND SANITATION

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

# Linkage with Global Sustainability Goals



Empower and promote the social, economic and Ensure equal opportunity & reduce inequalities of outcome.






Providing holistic solutions through water management, sustainable agriculture, green energy, and resilience building through health and disaster management.






Ensuring sustainable consumption and production patterns in line with statutory norms & applicable international standard






Promoting green areas through plantation, preserving, and restoring mangrove ecosystems, & commencing IEC based awareness activities for building environmental stewardship.






Increased afforestation. Reduce the degradation of natural habitats, halt the loss of biodiversity. Integrate ecosystem and biodiversity values.






Improving the activities with involvement / partnership with stake holders, local stack holder - communities, Governments, etc. to maintain the sustainable livelihood



| Sr. No. | Sector | CER Expenditure (INR) April-Sept, 26 | CER Expenditure (INR) Till Sept, 26 |
|---|---|---|---|
| 1 | Educational Initiatives. | 4774756 | 22677502 |
| 2 | Community Health Initiatives. | 10755528 | 42716637 |
| 3 | Sustainable Livelihood and women Empowerment. | 6314333 | 64041838 |
| 4 | Community Rural Infrastructure Development. | 10641911 | 118574733 |
| 5 | Monitoring & Reporting | 896033 | 8962001 |
| | Total | 33382561 | 256972711 |
| | **Approximate INR** | **333.825 Lakh** | **2569.727 Lakh** |



# About The Regions

A historic town in the Kutch district, characterized by a hot, dry climate and abundant biodiversity. Situated along the Gulf of Kutch, this census town showcases cultural variety alongside thriving mangrove forests and diverse bird species.

**16 Study Villages in the Mundra & Mandavi Area**



Female
**21,328 (37.2%)**



Male
**38,739 (62.4%)**

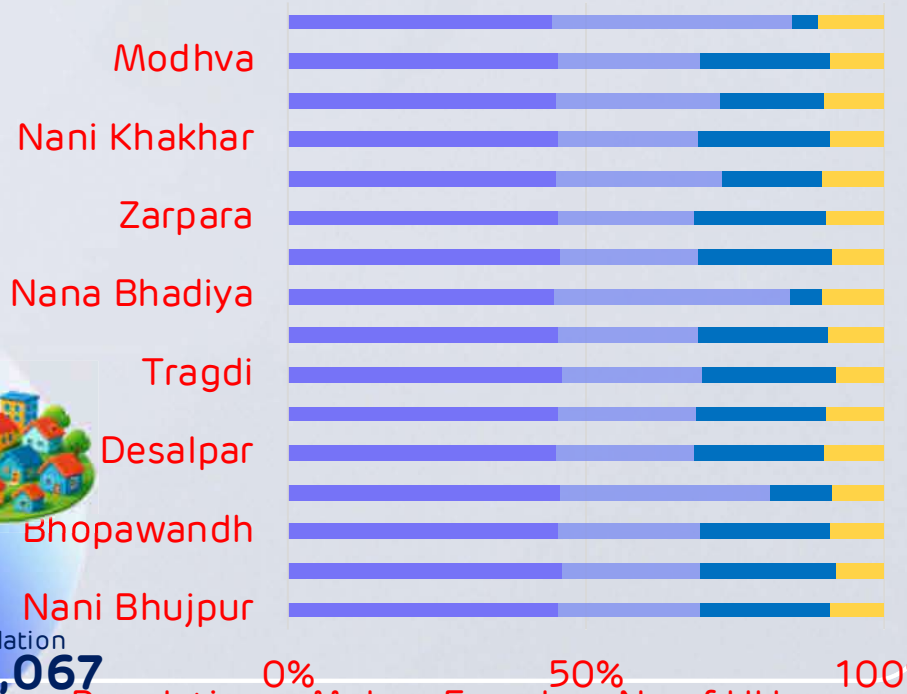


Households
**13,182**



Total Population
**60,067**

Demographic details of villages*




*As per Census 2011*

# School needs and infrastructure

Educational kits are highly important for students from fisherfolk communities as they help overcome educational and economic barriers while encouraging continued learning.
Educational kits provide essential items such as books, guidebooks, notebooks, school bags, and stationery, enabling students to access quality education and reduce financial burdens on their families.



**~95**
**Students benefitted**



**530+**
**Stationery Items**



**2000+**
**Books**




# Vehicle support for Fisherfolk Students

Vehicle transportation support enables children from fisherfolk communities in coastal villages i.e Zarpara and Modhwa to continue accessing education without interruption. By offering students a safe and dependable way to travel to school, the initiative helps ease difficulties associated with their daily journeys and supports more regular school attendance.






**77**
**Students benefitted**






## Awareness on education, health, hygiene & discipline.

The goal is to promote good health and foster environmentally conscious future citizens by encouraging sustainable practices among school children and minimizing the use of single-use plastics within school communities.

- Reinforced the basis for enduring environmental protection.
- Motivated families and communities to embrace sustainable lifestyle habits.
- Notable behavioral shifts include students handing out fruits during birthday celebrations and other occasions.



**6000+**
**Students Benefited**



**35**
**Schools**



## Empowering Athletic Excellence




High-quality kabaddi mats were provided to develop a safe and professional playing environment for performers. The initiative aims to promote sports infrastructure at the grassroots level and support talent development in rural area. Availability of proper mats enhances player performance, reduces injury risks, and encourages regular practices. This support contributes to fostering youth engagement, community participation, and overall physical well-being.

## Skill Improvement for Teaching Staff




The Green School Project aims to educate Uthhan Sahayak and students on environmentally sustainable practices.

The project began with workshops focused on building capacity and later expanded to involve a wide range of students in efforts to reduce and reuse plastic using innovative and practical methods.

- ❑ Uthhan Sahayaks received training focused on minimizing and reusing single-use plastics.
- ❑ They fostered a strong environmental awareness in over 6000 students.
- ❑ Converted 35 schools into plastic-free environments.
- ❑ Encouraged creative reuse of plastic waste by making eco-bricks.

**78** Uthhan Sahayaks benefited



## Health, hygiene & discipline among the schools

To assure that all students and staff have access to safe and clean drinking water and to improve health, hygiene, and create a learning environment free from waterborne diseases, Saline Water Reverse Osmosis (RO) systems have been installed in the villages of Navinal, Modhava

**Village:** Navinal
**250** ltr/hr Capacity
**230+** Student Benefited





**Village:** Modhava
**150** ltr/hr Capacity
**211+** Student Benefited



Good health is essential for building a strong and thriving community. MPL focuses on enhancing access to quality healthcare in rural and remote regions, particularly targeting underserved groups in Mundra and Mandavi taluka.

MPL employs a holistic strategy combining preventive, promotive, and curative services. Through mobile medical units, rural clinics, and specialized health camps, timely healthcare is provided, while awareness programs promote early detection and healthy habits, with particular attention to women, children, and eye health.

Collaborations with Adani G.K. General Hospital in Bhuj, Adani Hospital in Mundra, medical experts, and community organizations enable MPL to reinforce the local healthcare system. These ongoing initiatives contribute to long-term health and foster safer, healthier communities.





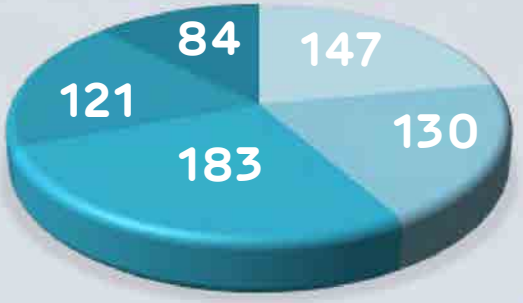

**665+**
Beneficiaries



**4000+**
Participant



**5** Villages




Nani Khakhar
Moti Khakhar
Mota Kandagara
Shiracha
Tunda

## Community Health Camp

A community health check-up camp was organized to provide essential medical tests and screenings for residents. The camp included a comprehensive blood count (CBC) to assess overall health and detect a variety of disorders, as well as SGPT testing to evaluate. Creatine levels were measured to monitor kidney health, while Random Blood Sugar (RBS) tests helped identify potential diabetes risks. Urine analysis was performed to check for infections and other underlying health issues. Additionally, Pulmonary Function Tests (PFT) were conducted to assess lung capacity and function. Eye screening was also offered, ensuring participants received a thorough evaluation of their vision and ocular health. The camp aimed to promote early detection and encourage proactive management of health concerns within the community.












## Advance Cancer Screening Infrastructure

To enhance access to quality cancer diagnostic services for women by strengthening healthcare infrastructure with advanced screening technology, enabling early detection of breast cancer, timely treatment, and improved health outcomes in the regions, Mundra Petrochem Limited has extended health support through providing Digital Mammography Machine at the Cancer Care unit, GAIMS & G.K.General Hospital, Bhuj.

These will Increased availability of breast cancer screening services for women in Kutch district.

Also, it will Improved opportunities for early diagnosis, leading to better treatment outcomes and reduced health risks.



## Mobile Health Care Units (MHCU)




The Mobile Health Units successfully served nearby villages by Adani Foundation to deliver essential medical services for the local communities.



**6636+** Patient Beneficiated

**28** Villages

**7** Fishing Settlement.

**29** Service Stoppages.

During public health emergencies, mobile health care vans can offer a rapid response. They also provide education on hygiene, nutrition, and disease prevention. Alongside better overall health outcomes, their presence can strengthen trust between rural communities and health professionals, encouraging people to engage with health care services more regularly and take a more proactive approach.

# COMMUNITY HEALTH

**16**
Villages

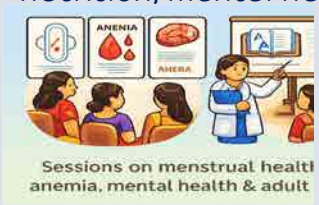
## Awareness on Malnutrition and Anaemia




The Adani Foundation has conducted **Anganwadi Outreach** programs featuring sessions for mothers and children focused on health, hygiene, nutrition, and safety.


Mother Meeting

**Mother Meetings** Structured sessions on hygiene, nutrition, mental health & parenting




Sessions on **menstrual health, anemia, mental health & adult education**

**11**
Villages

**1874**
Students Reached

**1984**
Total Beneficiaries



## Rural clinics & outreach services.



Basic healthcare services were provided in nearby villages, particularly at the fishing communities.

comprehensive healthcare initiatives that provide accessible general and

Specialized medical services focus on meeting essential health requirements and enhancing

the overall wellness of rural populations by providing better access, timely diagnosis, and high-quality care.



**7048+**
Benefiting Individuals



**7**
Villages

## Clean Drinking Water Facilities

These facility help improve the quality of locally available water by reducing salinity and dissolved impurities, thereby supporting better health, hygiene, and overall well-being of rural communities of Bhujpur village. Such interventions contribute to sustainable rural development by improving access to essential drinking water infrastructure and enhancing the quality of life of local communities.




**Village:** Bhujpur **250** ltr/hr Capacity




# Women Empowerment

Adani Foundation conducted a series of month-long skill development programs for women and youth as part of its efforts to support women's empowerment and improve livelihoods. Covering traditional crafts, embroidery, tailoring, and other creative arts, the training helped participants develop skills for earning an income, improve their employment prospects, and consider working independently. Through the month-long courses, **participants strengthened their vocational and creative abilities in Mud Work, Dori Work, Mehendi Art, Tailoring (Silai), and Woolen Rangoli**. Alongside encouraging traditional art and handicraft practices, these programs opened opportunities for self-employment and entrepreneurship, including home-based enterprises that could provide a sustainable source of income.









**279**
**Beneficiaries Trained**

**11**
**Training Batches Conducted**

# Upliftment of fisher-folk community

Aims to promote educational access and holistic development within the fisherfolk community by providing education kits and transportation to students, ensuring equitable learning opportunities and empowering children with essential resources to support academic growth, skill development, and a brighter future.

Provided education kits to students pursuing Higher Secondary and graduation-level education, improving access to essential study materials and alleviating financial constraints for economically weaker families.

**2000+**
**Educational Books**

**530+**
**Stationery Items**



Facilitated safe and reliable school transportation for students from Zarpara and Modhava Enabled them to regular school attendance by addressing transportation barriers faced by fisherfolk families in coastal locations. This facilities have extend the student safety, punctuality, and continuity of education, especially for children from remote settlements. This facilities has also reduced the financial and logistical burden on families, supporting their children's access to education.



**95 Students Beneficiated**




## Skill Development & Awareness

The initiative by Adani Foundation team focuses on counseling and facilitating access to technical education (ITI and diploma courses), along with organizing parent–student interactions to promote higher education, especially for girls among nearby villages.








# Sustainable Livelihood & Women Empowerment

## Animal husbandry & Infrastructure

Fodder support initiatives by Adani Foundation in water-stressed areas play a critical role in safeguarding livestock health by addressing feed shortages during drought conditions. in Addition to this, "Gaushala" having adequate facilities offers more comfortable spaces for the Cows at Zarpara village.







## Research, innovation, Marketing

15th Agri Fair was organized with aims to connect over 2.5 lakh farmers with modern agricultural technologies, government schemes, and expert guidance, enabling enhanced productivity, sustainable practices, and improved livelihoods.











**2,50,000+**
**Farmer Attendees**

# SUSTAINABLE LIVELIHOOD & WOMEN EMPOWERMENT

## Skill Development & Empowerment

Swavlamban initiatives fostering the society that all-encompassing and empowering, where individuals achieve dignity and self-reliance through innovative mobility solutions and sustainable livelihood opportunities.

With the goal of enabling tribal families to secure sustainable livelihoods, bolstering their economic independence and enhancing their standard of living through income-generating pursuits,




MPL has distributed Cycle Rickshaws to 17 tribal families under its "ARTHIK UPARJAN" initiative.






Differently – abled individuals from the nearby villages where assistive and facilitated with livelihood-support items such as Tri Cycles to promote self-reliance, self-employment, and improved quality of life.

## Eco-Green Clube



Eco Green schools initiatives exemplify how innovation and community collaboration can effectively tackle two critical global challenges: plastic waste and education. By converting waste into an asset, these institutions not only offer essential educational facilities but also foster a sense of environmental stewardship among students. To encourage motivation, students' work has been recognized by MPL through the awarding of certificates and educational prizes at the primary schools of nearby villages

# Water Conservation

In line with water stewardship policy & promoting sustainable water management in water-stressed regions, Regular cleaning and maintenance of percolation wells and Rooftop Rainwater Harvesting System (RRWH) in saline coastal areas are essential to sustain recharge efficiency, prevent clogging, control saline water intrusion, and enhance groundwater quality through dilution for efficient resource use and resilient agriculture.







**129**

**Percolation Wells Cleaned**













**6660**

**Trees**



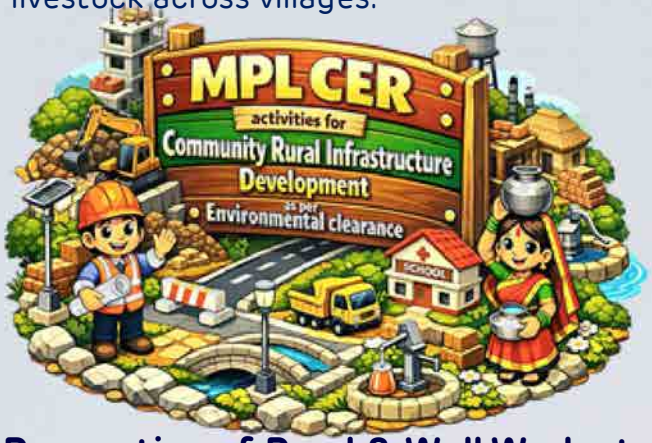



## Community Tree Plantation

Under the Sustainability and Livelihood Support initiative, Community Tree plantation have been carried out at Mota Kandagara village.

# Water Conservation infrastructure

Enhanced water resources via pond deepening, Tank & Pipes renovation, Roof top Rainwater Harvesting System (RRWHS) installation, and river cleaning, improving water availability for households, farmers, and livestock across villages.




## Renovation of Pond & Wall Work at Mota Kandagara.

Renovation of check dams improved water storage, recharge, and availability for agriculture and communities





## Pond Development and Deepening work at Mota Kandagra & Zarpara.

Strengthened water infrastructure for agriculture and cattle as this enhances recharge, biodiversity, and local micro-climate. Further, Increased pond storage capacity and groundwater percolation, ensures water availability for livestock and irrigation support.



## Pipe and Tank repairing work for Rooftop Rainwater Harvesting Systems Villages.

Collection and utilization of rooftop rainwater reduces dependence on outsources water demand and promotes water conservation. MPL has completed work for maintaining the water collecting set-up, as same conserves more rainwater without any leakages.





# Sanitation infrastructure



Construction of sanitation facilities at schools of Mota Kandagara village to improve hygiene, privacy and dignity for girl students. This in supporting hygiene and regular school attendance.




## Rural area Cleaning work

Pre – Monsoon Cleanliness activities have been accomplished at village **Mota Kandagara, Deshalpar, Zarpara, Siracha and Moti Bhujpur**. Under these waste & other unwanted stuff have been removed. In result, improved cleaned Rural area.




## River Cleaning Work.

Cleaning of riverbanks and roadsides to improve hygiene and surroundings that reduced health risks and water contamination.









# Community infrastructure

Renovation of schools, community halls, crematoriums, sports areas, and health facilities strengthened access to education, healthcare, sanitation, and recreation—helping build more resilient rural communities.

Initiatives were undertaken to enhance education quality and foster supportive learning environments through school renovation, digital learning facilities, and student-friendly infrastructure across nearby villages.




## Renovation of Boys Hostel

Renovation of boys' hostel accommodation is an important initiative aimed at providing students with a safe, hygienic, comfortable, and conducive living environment. Improvement of hostel facilities, including rooms, sanitation, drinking water, lighting, ventilation, and other essential amenities, can enhance the overall quality of residential facilities and student well-being.





## Benches for Community at nearby villages

As villages are more than just places of leaving, residents are vibrant communities where memories are made. Among the many silent witnesses to the everyday rhythms of hectic rural life, Benches (Precast) stand firmly – often overlooked, yet ever – present.









# Community infrastructure

## Development of Sports Complex at Zarpara Village

The development of sports complexes in rural areas plays a significant role in promoting community development by encouraging physical fitness, youth participation, and social cohesion. These facilities provide safe and structured spaces for sports and recreational activities, enabling rural youth to develop discipline, teamwork, leadership, and sporting skills. They also create opportunities for local talent to enhance performance and participate in competitive events at higher levels. In addition, sports complexes serve as community hubs for tournaments and social interaction, strengthening community bonding and encouraging constructive engagement. Such infrastructure improves access to quality sports facilities and contributes to the overall physical, mental, social, and socio-economic well-being of rural communities.






## Construction of Gaushala Shed along with Floor & Gaman Work at Zarpara village





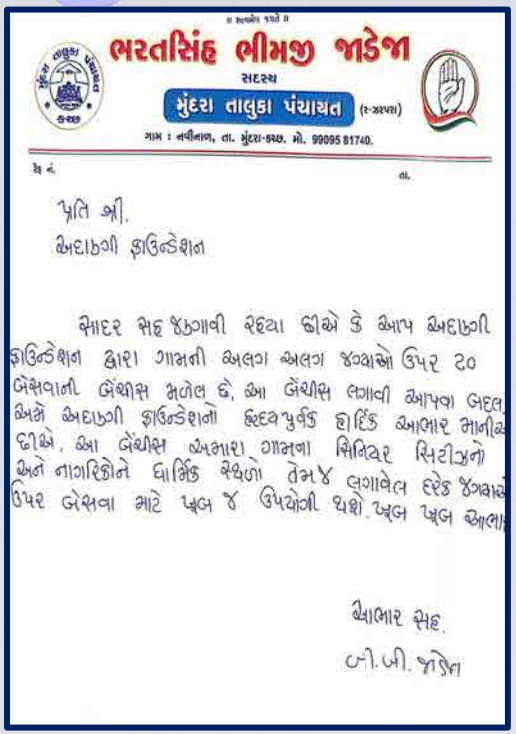

An infrastructure for Gaushala ensures protection, health, comfort, and productivity of cows while supporting sustainable agriculture and social welfare.

**1500+**

**Cattle Benefitted**



# Appreciations

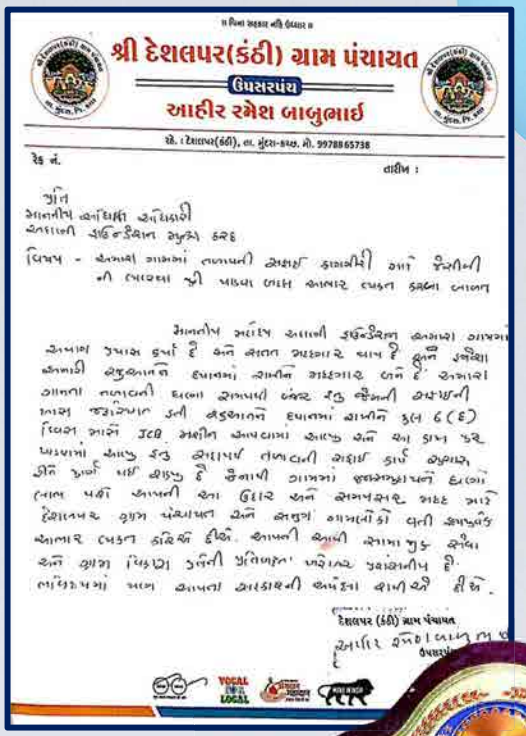


ભરતસિંહ ભીમજી જાડેજા
સદસ્ય
મુંદરા તાલુકા પંચાયત (૨-અપક્ષ)
ગામ : નવીનાળ, તા. મુંદરા-કચ્છ. મો. 99095 81740.

પ્રતિ શ્રી,
અદાણી ફાઉન્ડેશન

માદર સહ જણાવી રહ્યા છીએ કે આપ અદાણી ફાઉન્ડેશન દ્વારા ગામની અલગ અલગ જગ્યાઓ ઉપર ૨૦ બેસવાની બેંચીસ મળેલ છે. આ બેંચીસ લગાવી આપવા બદલ અમો અદાણી ફાઉન્ડેશનો હૃદયપુર્વક હાર્દિક આભાર માનીએ છીએ. આ બેંચીસ અમારા ગામના સિનિયર સિટીઝનો અને નાગરિકોને ધાર્મિક સ્થળો તેમજ લગાવેલ દરેક જગ્યાએ ઉપર બેસવા માટે ખુબ જ ઉપયોગી થશે ખુબ ખુબ આભા

આભાર સહ
જી.જી. જાડેજા



શ્રી દેશલપર(કંઠી) ગ્રામ પંચાયત
ઉપસરપંચ
આહીર રમેશ બાબુભાઈ
રહે. : દેશલપર(કંઠી), તા. મુંદરા-કચ્છ. મો. 9978865738

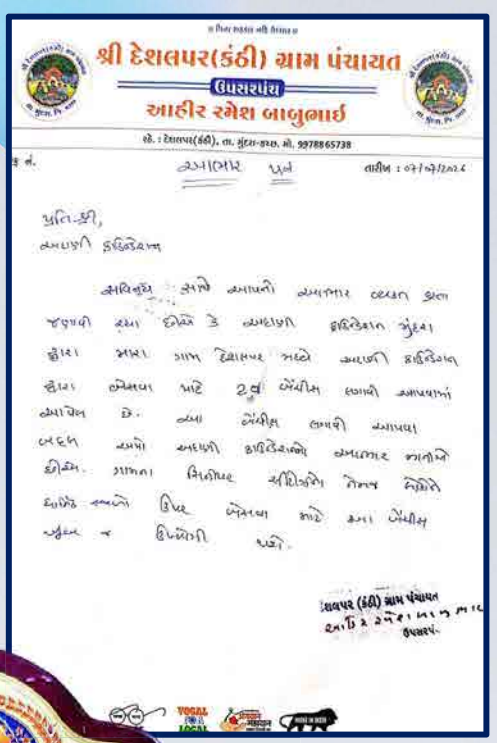
રેફ નં. તારીખ :

પ્રતિ
માનનીય અધિકારીશ્રી
અદાણી ફાઉન્ડેશન મુન્દ્રા કચ્છ

વિષય - અમારા ગામમાં તળાવની આસપાસ કાયમી ગટર બનાવવા બાબત

માનનીય મહોદય આપની ફાઉન્ડેશન અમારા ગામના અમારા ગામના પ્રયાસ કર્યા છે અને સતત સહકાર આપ છો તેમ ઈચ્છીએ અમારી રજુઆતને ધ્યાનમાં લઈને ગટરનું કામ કરી આપવા ગામના તળાવની ઘણા સમયથી ખરાબ રસ્તો કેમની અવરજવર ગામ જગ્યાએ પણ મહુવાતને ધ્યાનમાં લાખીને કુલ ૬ (૬) ત્રિપલ ગટર JCB મશીન ખાપવામા આવ્યુ અને આ કામ પર પ્રકાશમાં આવ્યુ રસ્તો આપવા તળાવની સાઈડ કાચ બનાવ્યા ઈને કાર્ય થઈ શકયુ છે અમારી ગામના જાગરૂકોએ દ્વારા ત્યાંના પણ આપની આ ઉદાર અને સમયસર મદદ માટે દેશલપર ગ્રામ પંચાયત અને સમસ્ત ગામનો વતી હાર્દિક આભાર વ્યકત કરીએ છીએ. આપની આવી સેવા મુક સેવા અને ગ્રામ વિકાસ પ્રત્યેની પ્રતિબદ્ધતા ખરેખર પ્રશંસનીય છે. ભવિષ્યમાં અમને આપના સહકારની અપેક્ષા રાખીએ છીએ.

દેશલપર (કંઠી) ગ્રામ પંચાયત
આહીર રમેશ બાબુભાઈ
ઉપસરપંચ



શ્રી દેશલપર(કંઠી) ગ્રામ પંચાયત
ઉપસરપંચ
આહીર રમેશ બાબુભાઈ
રહે. : દેશલપર(કંઠી), તા. મુંદરા-કચ્છ. મો. 9978865738

આભાર પત્ર
તારીખ : ૦૧/૦૩/૨૦૨૫

પ્રતિ-શ્રી,
અદાણી ફાઉન્ડેશન

સવિનયે સાથે આપની ધ્યાનમાં લાવવા કરવા જણાવવાનું કે અમારા ગામ દેશલપર મધ્યે અદાણી ફાઉન્ડેશન મુંદરા દ્વારા બેસવા માટે ૨૦ બેંચીસ લગાવી આપવામાં આવેલ છે. આ બેંચીસ લગાવી આપવા બદલ અમો અદાણી ફાઉન્ડેશનો હૃદયપુર્વક આભાર માનીએ છીએ. ગામના સિનિયર સીટીઝનો તેમજ સ્કૂલે જતાં બાળકો ઉપર બેસવા માટે આ બેંચીસ ખુબ જ ઉપયોગી થશે.

દેશલપર (કંઠી) ગ્રામ પંચાયત
આહીર રમેશ બાબુભાઈ
ઉપસરપંચ



આભારપત્ર

પ્રતિ
માનનીય અધિકારીશ્રી,
Adani Foundation

વિષય-RO પ્લાન્ટની ભેટ બદલ આભાર વ્યક્ત બાબત.

માનનીયશ્રી,

અમારી શ્રીનવીનાળ પ્રાથમિક શાળાને આપની સંસ્થા દ્વારા સામાજિક જવાબદારી અંતર્ગત RO વોટર પ્લાન્ટની અમૂલ્ય ભેટ આપવામાં આવી છે.આ બદલ સમગ્ર શાળા પરિવાર,શાળા વ્યવસ્થાપન તરફથી હૃદયપૂર્વક આભાર વ્યક્ત કરીએ છે.

સમાજના વિકાસ અને શિક્ષણક્ષેત્રે આપની સંસ્થાનું યોગદાન ખરેખર પ્રશંસનીય છે.આપ દ્વારા આપવામાં આવેલ અમૂલ્ય ભેટનો અમે યોગ્ય જાળવણી સાથે સદુપયોગ કરીશું.

ફરી એકવાર સમગ્ર શાળા પરિવાર તરફથી Adani Foundation નો હૃદયપૂર્વક હાર્દિક આભાર વ્યક્ત કરીએ છીએ.

આપની વિશ્વાસુ,
આચાર્યશ્રી
શ્રી નવીનાળ પ્રાથમિક શાળા
તા-મુન્દ્રા,જિ-કચ્છ



# NEWS Coverage

Breaking News | Kutch

## અદાણી ફાઉ. દ્વારા મુન્દ્રા તાલુકામાં બાગાયતી ખેતીને પ્રોત્સાહન

6 days ago Kutch Care News



સીઇઆર કાર્યક્રમ હેઠળ સ્થાનિક ખેડૂતોને બાગાયતી રોપાઓની ખરીદી માટે આર્થિક સહાય

મુંદ્રા, ૨૪.૦૪.૨૦૨૬: વિશ્વ પૃથ્વી દિવસની ઉજવણીના ભાગરૂપે અદાણી ફાઉન્ડેશન અને મુન્દ્રા પેટ્રોકેમ લિમિટેડના સહયોગથી મુન્દ્રા તથા આસપાસના વિસ્તારોમાં બાગાયતી ખેતીને પ્રોત્સાહન આપવા માટે પહેલ હાથ ધરવામાં આવી જે અંતર્ગત બાગાયતી રોપાઓનું વાવેતર કરતા ખેડૂતોને આર્થિક સહાય પૂરી પાડવામાં આવી હતી.

## અદાણી ફાઉન્ડેશને ઝરપરા ગામને આપ્યું આધુનિક વિકાસનું નવું સ્વરૂપ



**અત્યાધુનિક ગૌશાળા, શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબનું લોકાર્પણ**

અમદાવાદ, તા. ૯: અદાણી ફાઉન્ડેશનના સહયોગથી મુન્દ્રા તાલુકાના ઝરપરા ગામમાં અત્યાધુનિક ગૌશાળા, આઈ શ્રી સોનલ સરસ્વતી વિદ્યામંદિરનું આધુનિક શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબ (કબડ્ડી શેડ)નું ભવ્ય લોકાર્પણ કરવામાં આવ્યું હતું. આ પ્રસંગે રશ્મિત શાહ, (મેજિસ્ક્યુટિવ ડિરેક્ટર, અદાણી પોર્ટ્સ,) ભરતભાઈ મોટી, ગિરીશ આપા તેમજ અદાણી ફાઉન્ડેશનના સ્ટાફ અને ગામના અગ્રણીઓ તેમજ ગ્રામજનો મોટી સંખ્યામાં ઉપસ્થિત રહ્યા હતા.

અદાણી ફાઉન્ડેશન દ્વારા ગામની જૂની ગૌશાળાનું સંપૂર્ણ પુનઃનિર્માણ કરી અત્યાધુનિક ગૌશાળા તૈયાર કરવામાં આવી છે. હાલમાં અહીં ૩૦૦ ગાયની સંભાળ લેવામાં આવી રહી છે અને ભવિષ્યમાં ૧,૫૦૦થી વધુ ગાયોને આશ્રય આપવાની ક્ષમતા પરાયે છે.

અદાણી ફાઉન્ડેશન એક મુખ્ય દાતા તરીકે આઈ શ્રી સોનલ સરસ્વતી વિદ્યામંદિરને આધુનિક સ્વરૂપ આપવામાં આવ્યું છે. શાળામાં ૧૪ વિશાળ વર્ગખંડો, સુસજ્જ હોલ અને અન્ય જરૂરી સુવિધાઓનું નિર્માણ કરવામાં આવ્યું છે. વર્તમાનમાં ૧૮૦થી વધુ વિદ્યાર્થીઓ અહીં અભ્યાસ કરી રહ્યા છે અને ભવિષ્યમાં વધુ વિદ્યાર્થીઓને ગુણવત્તાયુક્ત શિક્ષણ મળી શકશે.

ઉપરાંત યુવાનોની પ્રતિભાને વિકસાવવા માટે અદાણી ફાઉન્ડેશન દ્વારા અદ્યતન સ્પોર્ટ્સ ક્લબ અને કબડ્ડી શેડનું નિર્માણ કરવામાં આવ્યું છે. આ પ્રસંગે શ્રી રશ્મિત શાહે જણાવ્યું કે, ઝરપરા ગામને વિકાસનું આદર્શ મોડેલ બનાવવાનો અમારો સંકલ્પ છે. વિદ્યાર્થીઓને અપીલ છે કે એટલું ભણે કે પરિણામે સમાજમાં હરિયાળો વિસ્તાર વધારવાની સાથે પર્યાવરણ અંગે જાગૃતિ પણ વધારવામાં સફળતા મળી છે.

આ તમામ પહેલોના સંયુક્ત પરિણામ સ્વરૂપે, અદાણી ફાઉન્ડેશન દ્વારા મુન્દ્રા વિસ્તારમાં કુલ ૨,૬૪,૮૧૭ વૃક્ષોનું રોપણ કરવામાં આવ્યું છે, જે કચ્છના પર્યાવરણ સંરક્ષણ અને હરિયાળો વિકાસ માટે નોંધપાત્ર યોગદાન પુરું પાડે છે.

આગામી વર્ષ ૨૦૨૬-૨૭ માટે, અદાણી ફાઉન્ડેશન વધુ વિસ્તૃત આયોજન તૈયાર કર્યું છે, જેમાં ૮ નવા અદાણી વન વિકસાવવામાં આવશે તેમજ ૪૦,૦૦૦થી વધુ વૃક્ષોનું રોપણ

અનુસંધાન પાના નં. ૭

# અદાણી ફાઉન્ડેશનનું કચ્છમાં વિશાળ સ્તરનું વૃક્ષારોપણ

## કુલ ૨૫ અદાણી વન વિકસાવાયા, જેમાંથી ૨૦ ગામ સ્તરે : 'અદાણી વન' હેઠળ કુલ ૧,૫૬,૯૫૨ વૃક્ષોનું વાવેતર અને ઉછેર



લોકભાષા-ભુજ:

વિશ્વ પર્યાવરણ દિવસની ઉજવણી નિમિત્તે, અદાણી ફાઉન્ડેશન દ્વારા પર્યાવરણ સંરક્ષણ, હરિયાળો વિકાસ અને સ્થાયી ભવિષ્ય માટેની પોતાની પ્રતિબદ્ધતાને વધુ મજબૂત બનાવતા, મુન્દ્રા અને આસપાસના ગ્રામ્ય વિસ્તારોમાં વિશાળ સ્તરે વૃક્ષારોપણ અભિયાન સફળતાપૂર્વક અમલમાં મુકાયું છે.

અદાણી ફાઉન્ડેશન દ્વારા શરૂ કરાયેલ "અદાણી વન" પહેલ કચ્છના ગામોમાં પર્યાવરણ પુનઃસ્થાપન અને જૈવવૈવિધ્ય વધારવાનું મહત્વપૂર્ણ સાધન બની છે. આ પહેલ હેઠળ અત્યાર સુધીમાં કુલ ૨૫ અદાણી વન વિસ્તારો વિકસાવવામાં આવ્યા છે, જેમાંથી ૨૦ અદાણી વન સ્થળો સીધા ગામસ્તરે તૈયાર કરવામાં આવ્યા છે. આ તમામ સ્થળોએ મળી આશરે ૧,૫૬,૯૫૧ વૃક્ષોનું રોપણ કરવામાં આવ્યું છે, જે કુલ ૩૬.૫ એકર જમીનમાં ફેલાયેલ છે. આ પ્રોજેક્ટો દ્વારા માત્ર હરિયાળો વિસ્તાર જ વધ્યો નથી, પરંતુ સ્થાનિક પર્યાવરણનું સંરક્ષણ, માટીની ગુણવત્તામાં સુધારો અને કુદરતી જીવનચક્રને મજબૂતી પણ મળી છે.

"અદાણી વન" પહેલ ગામમાં કુદરતી જંગલ જેવી પરિસ્થિતિ ઉભી કરવામાં મદદરૂપ બને છે, જેમાં વિવિધ પ્રજાતિના વૃક્ષો અને છોડનો સમાવેશ થાય છે. આ દ્વારા વાઇલ્ડલાઈફ પશુઓ માટે રહેઠાણ, પક્ષીઓ માટે સુરક્ષિત વસવાટ તથા સ્થાનિક હવામાન તાપમાનમાં નિયંત્રણ થાય છે, જે લાંબા ગાળે સ્થાયી પર્યાવરણ માટે ખૂબ જ મહત્વપૂર્ણ છે.

આ ઉપરાંત, અદાણી ફાઉન્ડેશને ગામોમાં આવેલ શાળાઓ, હોસ્પિટલો, સમાજવાડી, મંદિરો અને અન્ય જાહેર સ્થળોએ પણ વિશાળ સ્તરે વૃક્ષારોપણ પ્રવૃત્તિઓ હાથ પરેલી છે. આ વિભાગ હેઠળ અત્યાર સુધીમાં ૧,૦૮,૩૬૬ વૃક્ષોનું રોપણ કરવામાં આવ્યું છે, જેના

**આઇશ્રી સોનલ સરસ્વતી વિદ્યામંદિરને આધુનિક સ્વરૂપ આપવામા આવ્યુ જે શાળામા ૧૪ વર્ગખડો, સુસજ્જ હોલ અને અન્ય જરૂરી સુવિધાઓનુ નિમાણ કરવામા આવ્યુ**

# ઝરપરામાં આધુનિક વિકાસનું નવું સ્વરૂપ : અત્યાધુનિક ગૌશાળા, શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબનું લોકાર્પણ

**આસપાસના ગામોના યુવાનોને રમતગમતની શ્રેષ્ઠ તાલીમ મળી શકશે અને તેઓ તાલુકા, જિલ્લા, રાજ્ય તેમજ રાષ્ટ્રીય સ્તરે પોતાની પ્રતિભા દેખાડવા અદ્યતન સ્પોર્ટ્સ ક્લબ અને કબડ્ડી શેડનું નિર્માણ કરવામાં આવ્યું**







ઝરપરા

અદાણી ફાઉન્ડેશનના સહયોગથી મુન્દ્રા તાલુકાના ઝરપરા ગામમાં અત્યાધુનિક ગૌશાળા, આઈ શ્રી સોનલ સરસ્વતી વિદ્યામંદિરનું આધુનિક શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબ (કબડ્ડી શેડ)નું ભવ્ય લોકાર્પણ કરવામાં આવ્યું. આ પ્રસંગે ગામના લોકોમાં ખુશીનો માહોલ જોવા મળ્યો હતો. આ કાર્યક્રમમાં શ્રી રશ્મિત શાહ, (મેજિસ્ક્યુટિવ ડિરેક્ટર, અદાણી પોર્ટ્સ, શ્રી ભરતભાઈ મોટી, આઈ શ્રી લક્ષ્મી માતાજી, આઈ શ્રી પરમા માતાજી, ગિરીશ આપા સહિત અદાણી ફાઉન્ડેશનના સ્ટાફ અને ગામના અગ્રણીઓ તેમજ ગ્રામજનો મોટી સંખ્યામાં ઉપસ્થિત રહ્યા હતા.

ગ્રામ્ય વિકાસનું ઉત્તમ ઉદાહરણ આપતા આ પ્રોગ્રામ હેઠળ અદાણી ફાઉન્ડેશન કચ્છ જિલ્લાના ગ્રામીણ તેમજ શહેરી વિસ્તારોમાં શિક્ષણ, આરોગ્ય, આજીવિકા, સ્વચ્છતા અને પશુપાલન જેવા અનેક સેક્ટોમાં સતત કાર્યરત છે. ઝરપરા ગામમાં કરવામાં આવેલા આ વિકાસ કાર્યો તેના આ સતત પ્રયાસોનું પરિણામ છે.

અદાણી ફાઉન્ડેશન દ્વારા ગામની જૂની ગૌશાળાનું સંપૂર્ણ પુનઃનિર્માણ કરી અત્યાધુનિક ગૌશાળા તૈયાર કરવામાં આવી છે. હાલમાં અહીં ૩૦૦ ગાયોની સંભાળ લેવામાં આવી રહી છે અને ભવિષ્યમાં ૧,૫૦૦થી વધુ ગાયોને આશ્રય આપવાની ક્ષમતા પરાયે છે. ગૌશાળામાં શુદ્ધ પીવાના પાણી, વિશાળ અને સ્વચ્છ આવાસ તેમજ આધુનિક પશુપાલન વ્યવસ્થા ઉભી કરવામાં આવી છે.

અદાણી ફાઉન્ડેશન એક મુખ્ય દાતા તરીકે આઈ શ્રી સોનલ સરસ્વતી વિદ્યામંદિરને આધુનિક સ્વરૂપ આપવામાં આવ્યું છે. શાળામાં ૧૪ વિશાળ વર્ગખંડો, સુસજ્જ હોલ અને અન્ય જરૂરી સુવિધાઓનું નિર્માણ કરવામાં આવ્યું છે. વર્તમાનમાં ૧૮૦થી વધુ વિદ્યાર્થીઓ અહીં અભ્યાસ કરી રહ્યા છે અને ભવિષ્યમાં વધુ વિદ્યાર્થીઓને ગુણવત્તાયુક્ત શિક્ષણ મળી શકશે. ઉપરાંત યુવાનોની પ્રતિભાને વિકસાવવા માટે અદાણી ફાઉન્ડેશન દ્વારા અદ્યતન સ્પોર્ટ્સ ક્લબ અને કબડ્ડી શેડનું નિર્માણ કરવામાં આવ્યું છે. આ સુવિધાથી ઝરપરા તેમજ આસપાસના ગામોના યુવાનોને રમતગમતની શ્રેષ્ઠ તાલીમ મળી શકશે અને તેઓ તાલુકા, જિલ્લા, રાજ્ય તેમજ રાષ્ટ્રીય સ્તરે પોતાની પ્રતિભા દેખાડી શકશે.

આ પ્રસંગે શ્રી રશ્મિત શાહે જણાવ્યું કે, ઝરપરા ગામને વિકાસનું આદર્શ મોડેલ બનાવવાનો અમારો સંકલ્પ છે. વિદ્યાર્થીઓને અપીલ છે કે એટલું ભણે કે અહીં નીચ જ કંપનીઓમાં ઉચ્ચ હોદ્દા પર સ્થાન પામે, ભવિષ્યમાં દેશ-વિદેશના લોકો ઉપરાંત આ ગામની વિકાસયાત્રા જોવા આવે તેવા પ્રયાસો કરવામાં આવશે. યુવાનોને વિશેષ અપીલ છે કે તેઓ રમતગમત ક્ષેત્રે મહેનત કરીને ઝરપરા અને કચ્છનું નામ રોશન કરે. અદાણી ફાઉન્ડેશન દ્વારા ઝરપરા ગામમાં કરવામાં આવેલા આ વિકાસ કાર્યો ગૌસેવા, ગુણવત્તાસભર શિક્ષણ અને યુવા વિકાસના ક્ષેત્રે મહત્વપૂર્ણ પગલું સાબિત થશે અને ગામને પ્રગતિના નવા શિખરો તરફ લઈ જશે.

અદાણી પાવર, ગ્રીન અને એનર્જ સોલ્યુશન્સનો આગામી દાયકા સુધી માર્કેટમાં રહેશે દબદબો

અદાણી ગ્રુપની ત્રણ પાવર અ એનર્જ કંપનીઓ આગામી સમય ભારતના ઊર્જા સેક્ટરનો ચહેરો બદલા માટે સંપૂર્ણપણે સજ્જ થઈ રહી છ ત્યારબાદ ગ્રોકરેજ ફર્મ જેફરી (ઉપરરપહિયત) ના તાજેતર સંશોધન અહેવાલ અનુસાર, અદા પાવર, અદાણી એનર્જ સોલ્યુશ અને અદાણી ગ્રીન એનર્જ એકસપાનશન અને મજબૂત પર્ફોર્મન્સ મારફતે આગામી દાયકા સુધી માર્કેટ પ્રભાવિત કરતા રહેશે. ગ્રોકરેજ ફર્મ જેફરીએ પોતાના તાજેતરના રિપોર્ટમાં જણાવ્યું છે કે, ભારત વર્ષ ૨૦૩૫ સુધીમાં ૨૩૦ ગીગાવોટ ક્ષમતા ઉમેરવાની જરૂરિયાત ધરાવે છે. આ વિશાળ માંગને પહોંચી વળવા માટે ઉત્પાદન, ટ્રાન્સમિશન અને વિતરણ ક્ષેત્રમાં મોટા પાયે રોકાણની જરૂર પડશે. આ પરિપ્રેક્ષ્યમાં અદાણી પાવર, ગ્રીન એનર્જ અને ટ્રાન્સમિશન, સ્માર્ટ મીટરિંગ અને વિતરણ ક્ષેત્રમાં પોતાની મજબૂત હાજરીને કારણે એક અસાધારણ ઇકોસિસ્ટમ ઊભી કરી રહી છે.

# NEWS Coverage



## અદાણી ફાઉને ઝરપરા ગામને આપ્યું આધુનિક વિકાસનું નવું સ્વરૂપ

### અત્યાધુનિક ગૌશાળા, શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબનું લોકાર્પણ



આઈશ્રી સોનલ સરસ્વતી વિદ્યામંદિરને આધુનિક સ્વરૂપ આપવામાં આવ્યું જે શાળામાં

ઝરપરા (મુન્દ્રા): અદાણી ફાઉન્ડેશન – ના સહયોગથી મુન્દ્રા તાલુકાના ઝરપરા ગામમાં અત્યાધુનિક ગૌશાળા, આઈ શ્રી સોનલ સરસ્વતી વિદ્યામંદિરનું આધુનિક શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબ (કબડ્ડી કોર્ટ) નું ભવ્ય લોકાર્પણ કરવામાં આવ્યું. આ પ્રસંગે ગામના લોકોમાં ખુશીનો માહોલ જોવા મળ્યો હતો. આ કાર્યક્રમ માં શ્રી રક્ષિત શાહ, એક્ઝિ. ડિરેક્ટર, અદાણી પોર્ટ્સ, શ્રી ભરતભાઈ મોદી, આઈ શ્રી લક્ષ્મી માતાજી, આઈ શ્રી પરમા માતાજી, ગિરીશ આપા સહિત અદાણી ફાઉન્ડેશનના સ્ટાફ અને ગામના અગ્રણીઓ તેમજ ગ્રામજનો મોટી સંખ્યામાં ઉપસ્થિત રહ્યા હતા.

ગ્રામ વિકાસનું ઉત્તમ ઉદાહરણ આપતા આ પ્રોગ્રામ હેઠળ અદાણી ફાઉન્ડેશન કચ્છ જિલ્લાના ગ્રામીણ તેમજ શહેરી વિસ્તારોમાં કાર્યો તેના આ સતત પ્રયાસોનું પરિણામ છે.

અદાણી ફાઉન્ડેશન દ્વારા ગામની જૂની ગૌશાળાનું સંપૂર્ણ પુનઃનિર્માણ કરી અત્યાધુનિક ગૌશાળા તૈયાર કરવામાં આવી છે. હાલમાં અહીં ૭૦૦ ગાયોની સંભાળ લેવામાં આવી રહી છે અને ભવિષ્યમાં ૧,૫૦૦થી વધુ ગાયોને આશ્રય આપવાની ક્ષમતા ધરાવે છે. ગૌશાળા માં શુદ્ધ પીવાના પાણી, વિશાળ અને સ્વચ્છ આવાસ તેમજ આધુનિક પશુપાલન વ્યવસ્થા ઉભી કરવામાં આવી છે.

અદાણી ફાઉન્ડેશન એક મુખ્ય દાતા તરીકે આઈ શ્રી સોનલ સરસ્વતી વિદ્યામંદિરને આધુનિક સ્વરૂપ આપવામાં આવ્યું છે. શાળામાં ૧૪ વિશાળ વર્ગખંડો, સુસજ્જ હોલ અને અન્ય જરૂરી સુવિધાઓનું

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કચ્છમિત્ર

## કચ્છની કૃષિક્રાંતિ મહેનતકશ ધરતીપુત્રના પુરુષાર્થને આભારી

- કચ્છમિત્ર અને નર્મદા આયોજિત ૧૫મા હાઈટેક કૃષિ મેળાનો પ્રારંભ : પહેલા દિ'એ મેદની ઊમટી
- નવી ટેકનોલોજીનો સમન્વય સાધી પ્રાકૃતિક ખેતી અપનાવવા ખેડૂતોને આહ્વાન
- ચાર દિવસના આયોજનમાં અદાણી ફાઉન્ડેશન, અદાણી પેટ્રોકેમિકલ અને એગ્રોસેલ ઈન્ડસ્ટ્રીઝનો સહયોગ



૧૫મા હાઈટેક કૃષિમેળાનો પ્રારંભ

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## અત્યાધુનિક ગૌશાળા, શૈક્ષણિક સંકુલ અને સ્પોર્ટ્સ ક્લબનું લોકાર્પણ



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૪૫૦ લાભાર્થીઓએ લાભ લીધો : ડાયાબિટીસ, લિવર સહિતની તપાસ

## મોટા ભાડિયા ગામમાં પાંચ દિવસીય મેડિકલ નિદાન સારવાર કેમ્પ યોજાયો

। માંડવી । ( સંદેશ બ્યૂરો )

મોટા ભાડિયા ખાતે પ્રાથમિક શાળામાં બિદડા સર્વોદય ટ્રસ્ટ સંચાલિત કે.એમ.પટેલ આરોગ્ય ધામ અને અદાણી ફાઉન્ડેશનનાં સહકારથી પાંચ દિવસીય મેડિકલ નિદાન સારવાર કેમ્પ યોજાયો હતો, જેમાં ૪૫૦ લાભાર્થીઓએ તબીબી સારવારનો લાભ લીધો હતો. પ્રારંભમાં માજીકેભા ગઢવી, ડૉ રામભાઈ ગઢવી, શ્યામ શાસ્ત્રી, સરપંચ થાવરભાઈ, દેસરભાઈ વિંધાણી અને હરધોર ગઢવી હાજર રહ્યા હતા.



સર્વોદય ટ્રસ્ટ પ્રમુખ વિજયભાઈ છેડા, હેમંતભાઈ રાંભિયા, શાંતિભાઈ શાહ, ભરતભાઈ સંગારની હાજરીમાં ડૉ. સુનંદા વસા, ડૉ. મોનિકા ગઢવી, મોહનભાઈ મહેશ્વરી, ભવ્ય અધર્યું, ડૉ. આદેશ મહેશ્વરી, ડૉ. રવિ ભાલાણી, ધનેશ મહેશ્વરી, અંજલિ મોતા, ખુશીબેન ઠક્કર, આશિષ સંજોટ, ઈકબાલ સુમરા, ઉર્વીબેન, પ્રાચીબેન પુનવર, તુસીતાબા જાડેજા, ભરતભાઈ સંઘાર, મૂળજીભાઈ મહેશ્વરીએ સેવા આપી હતી. વ્યવસ્થા માજીકેભા ગઢવી, રાણશીભાઈ ગઢવી, ધનેશભાઈ મહેશ્વરીએ સંભાળી હતી.

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## મુન્દ્રા વિસ્તારમાં અદાણી ફાઉન્ડેશન દ્વારા કુલ ૨,૬૪,૮૧૭ વૃક્ષોનું રોપણ



- આગામી ૨૦૨૬-૨૭ માટે વધુ વિસ્તૃત આયોજન તૈયાર : ૮ નવા અદાણી વન વિકસાવવામાં આવશે તેમજ ૪૦,૦૦૦થી વધુ વૃક્ષોનું રોપણ કરવાનો નિશ્ચય

। કચ્છ આજકાલ । મુન્દ્રા

મુન્દ્રા અને આસપાસનાં ગ્રામ્ય વિસ્તારોમાં વિશ્વ પર્યાવરણ દિવસની ઉજવણી નિમિત્તે, અદાણી ફાઉન્ડેશન દ્વારા પર્યાવરણ સંરક્ષણ, હરિયાળો વિકાસ અને સ્થાયી ભવિષ્ય માટેની પોતાની પ્રતિબદ્ધતાને વધુ મજબૂત બનાવતાં વિશાળ સ્તરે વૃક્ષારોપણ અભિયાન અમલમાં મુકાયું છે. અદાણી ફાઉન્ડેશન દ્વારા શરૂ કરાયેલી અદાણી વન પહેલ કચ્છના ગામોમાં પર્યાવરણ પુનઃસ્થાપન અને જૈવવિવિધ્ય વધારવાનું મહત્વપૂર્ણ સાધન બની છે.

આ પહેલ હેઠળ અત્યાર સુધીમાં કુલ ૨૫ અદાણી વન વિસ્તારો વિકસાવવામાં આવ્યા છે, જેમાંથી ૨૦ અદાણી વન સ્થળો સીધા ગામસ્તરે તૈયાર કરવામાં આવ્યા છે. આ તમામ સ્થળોએ મળી આશરે ૧,૫૬,૯૫૧ વૃક્ષોનું રોપણ કરવામાં આવ્યું છે, જે કુલ ૭૬.૫ એકર જમીનમાં ફેલાયેલ છે. આ પ્રોજેક્ટો દ્વારા માત્ર હરિયાળો વિસ્તાર જ વધ્યો નથી, પરંતુ સ્થાનિક પર્યાવરણનું સંરક્ષણ, માટીની ગુણવત્તામાં સુધારો અને કુદરતી જીવનચક્રને મજબૂતી પણ મળી છે.

અદાણી વન પહેલ ગામમાં કુદરતી જંગલ જેવી પરિસ્થિતિ ઉભી કરવામાં મદદરૂપ બને છે, જેમાં વિવિધ પ્રજાતિના વૃક્ષો અને છોડનો સમાવેશ થાય છે. આ દ્વારા વાઈલ્ડ લાઈફ પશુઓ માટે રહેઠાણ, પક્ષીઓ માટે સુરક્ષિત વસવાટ તથા સ્થાનિક હવામાન તાપમાનમાં નિયંત્રણ થાય છે, જે લાંબા ગાળે સ્થાયી પર્યાવરણ માટે ખૂબ જ મહત્વપૂર્ણ છે.

આ ઉપરાંત, અદાણી ફાઉન્ડેશને ગામોમાં આવેલા શાળાઓ, હોસ્પિટલો, સમાજવાડી, મંદિરો અને અન્ય જાહેર સ્થળોએ પણ વિશાળ સ્તરે વૃક્ષારોપણ પ્રવૃત્તિઓ હાથ ધરેલી છે. આ વિભાગ હેઠળ અત્યાર સુધીમાં ૧,૦૮,૭૬૬ વૃક્ષોનું રોપણ કરવામાં આવ્યું છે, જેના પરિણામે સમાજમાં હરિયાળો વિસ્તાર વધારવાની સાથે પર્યાવરણ અંગે જાગૃતિ પણ વધારવામાં સફળતા મળી છે.

આ તમામ પહેલોના સંયુક્ત પરિણામ સ્વરૂપે, અદાણી ફાઉન્ડેશન દ્વારા મુન્દ્રા વિસ્તારમાં કુલ ૨,૬૪,૮૧૭ વૃક્ષોનું રોપણ કરવામાં આવ્યું છે, જે કચ્છના પર્યાવરણ સંરક્ષણ અને હરિયાળો વિકાસ માટે નોંધપાત્ર યોગદાન પૂરું પાડે છે. આગામી વર્ષ ૨૦૨૬-૨૭ માટે, અદાણી ફાઉન્ડેશન વધુ વિસ્તૃત આયોજન તૈયાર કર્યું છે, જેમાં ૮ નવા અદાણી વન વિકસાવવામાં આવશે તેમજ ૪૦,૦૦૦થી વધુ વૃક્ષોનું રોપણ કરવાનો નિશ્ચય કરવામાં આવ્યો છે. આ યોજનાઓ દ્વારા આગામી સમયમાં કચ્છ વિસ્તારમાં હરિયાળો વિસ્તાર નોંધપાત્ર રીતે વધશે તેવી અપેક્ષા વ્યક્ત કરવામાં આવી છે.

**Annexure - VIII**

adani

Ref: AEL/MPL/ENV/EC/2022 – September/02 Date: 02/09/2022

To,
Ms. Praveena D.K. (IAS),
Collector & DM,
Collector Office, Jilla Seva Sadan,
Bhuj – Kachchh, 370 001

Subject: Environment Clearance (EC) for proposed Project "**Caustic Soda–1310 KTPA and Acetylene–860 KTPA plants near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat** by M/s Adani Enterprises Ltd.

Reference: EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022

Respected Ma'am,

With reference to above subject, this is to inform that Ministry of Environment Forest and Climate Change has granted Environment Clearance for proposed project "**Industry-III activity i.e. Caustic Soda–1310 KTPA and Acetylene–860 KTPA**" (as a part of Proposed Coal to Poly-Vinyl Chloride (PVC) Project of M/s Adani Enterprises Ltd. (AEL) in land notified as Industrial area of APSEZ, Ta-Mundra, Dist-Kachchh, Gujarat, comprising of IND-I projects i.e. Semi Coke–2030 KTPA, Cement–6 MTPA; Clinker–4 MTPA, IND-II projects i.e. VCM– 2002 KTPA, PVC–2000 KTPA, Ethylene Glycol–400 KTPA and IND-III projects i.e. Acetylene–860 KTPA & Caustic Soda–1310 KTPA) and Calcium Carbide–2900 KTPA (Not Specified in EIA Notification)) by M/s Adani Enterprises Ltd." vide EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022.

As required under general condition No. **B – (vii)** of EC, we are submitting herewith copy of Environment Clearance for the said project for your reference, please.

Thanking You.
Yours Faithfully,

Authorized Signatory for Adani Enterprises Ltd,

Praveen Anant (Environment - Head)

**Encl:** As Above



Adani Enterprises Ltd
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad 382 421
Gujarat, India
CIN: L51100GJ1993PLC019067

Tel. + 91 79 2656 5555
Fax + 91 79 2555 5500
info@adani.com
www.adani.com

Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad - 382421

adani

Copy to:

1). **The District Development Officer,**
Jilla Pachayat, Opposite Surmandir Multiplex,
Bhuj – Kachchh, 370 001

2). **The Taluka Development Officer,**
Taluka Panchayat, Mundra
Ta: Mundra Dist: Kachchh, 370 421

3). **The General Manager,**
District Industries Center, Near New Green Hospital, Bhuj – Kachchh, 370 001

4). **The Regional Officer,**
Gujarat Pollution Control Board (Kachchh East),
Room no.215,216 & 217, 2nd Floor, Administration Office Building, Deendayal Port Trust,
Sector – 08, Gandhidham – Kachchh, 370 201



Adani Enterprises Ltd
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad 382 421
Gujarat, India
CIN: L51100GJ1993PLC019067

Tel. + 91 79 2656 5555
Fax + 91 79 2555 5500
info@adani.com
www.adani.com

Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad - 382421

adani

Ref: AEL/MPL/ENV/EC/2022 – September/04 Date: 02/09/2022

To,
The Sarpanch, Shri / Talati Cum Mantri, Shri
Gram Panchayat,
Village: _____
Ta: _____, Dist: Kachchh (List Attached)

Subject: Environment Clearance (EC) for proposed Project "**Caustic Soda–1310 KTPA and Acetylene–860 KTPA plants near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat** by M/s Adani Enterprises Ltd.

Reference: EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022

Respected Ma'am,

With reference to above subject, this is to inform that Ministry of Environment Forest and Climate Change has granted Environment Clearance for proposed project "**Industry-III activity i.e. Caustic Soda–1310 KTPA and Acetylene–860 KTPA**" (as a part of Proposed Coal to Poly-Vinyl Chloride (PVC) Project of M/s Adani Enterprises Ltd. (AEL) in land notified as Industrial area of APSEZ, Ta-Mundra, Dist-Kachchh, Gujarat, comprising of IND-I projects i.e. Semi Coke–2030 KTPA, Cement–6 MTPA; Clinker–4 MTPA, IND-II projects i.e. VCM– 2002 KTPA, PVC–2000 KTPA, Ethylene Glycol– 400 KTPA and IND-III projects i.e. Acetylene–860 KTPA & Caustic Soda–1310 KTPA) and Calcium Carbide–2900 KTPA (Not Specified in Any EIA Notification)) by M/s Adani Enterprises Ltd." vide EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022.

As required under general condition No. **B – (vii)** of EC, we are submitting herewith copy of Environment Clearance for the said project for your reference, please.

Thanking You.
Yours Faithfully,

Authorized Signatory for Adani Enterprises Ltd,

Praveen

Praveen Anant (Environment - Head)

**Encl:** As Above

Copy to:

1). **The Taluka Development Officer,**
Taluka Panchayat, Mundra
Ta: Mundra Dist: Kachchh, 370 421

2).
Room no.215,216 & 217, 2nd Floor, Administration
Office Building, Deendayal Port Trust,
Sector – 08, Gandhidham – Kachchh, 370 201




Page1 of 2

Adani Enterprises Ltd
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad 382 421
Gujarat, India
CIN: L51100GJ1993PLC019067

Tel. + 91 79 2656 5555
Fax + 91 79 2555 5500
info@adani.com
www.adani.com

Ref: AEL/MPL/ENV/EC/2022 –September/06/01 Date: 02/09/2022

To,
Shri Naran Gadhavi,
President - Kheti Vikas Seva Trust,
Village: Zarpara, Taluka: Mundra,
Dist-Kutch- 370 405

**Subject:** Environment Clearance (EC) (for Industrial activities pertain to Industry – 2 & 3) of proposed Project "**Coal to Poly-Vinyl Chloride (PVC) Project in land notified as Industrial area of APSEZ near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Adani Enterprises Ltd"**. – reg.

**Reference:** 1. EC Identification No. - EC22A020GJ133762, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022
2. EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022

Respected Sir,

With reference to above subject, this is to inform that Ministry of Environment, Forest and Climate Change has granted Environmental Clearance for following Industrial activities pertain to Industry – 2 & 3 of proposed Project "**Coal to Poly-Vinyl Chloride (PVC) Project in land notified as Industrial area of APSEZ near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Adani Enterprises Ltd"**.

| Sr. no. | Type of Activities | Name of Activities | Details of Environmental Clearance | Enclosed as |
|---|---|---|---|---|
| 1 | Industry – 2 | VCM– 2002 KTPA, PVC–2000 KTPA, Ethylene Glycol– 400 KTPA | EC Identification No. - EC22A020GJ133762, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022 | Annexure – I |
| 2 | Industry – 3 | Acetylene–860 KTPA & Caustic Soda–1310 KTPA) | EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022 | Annexure – II |

Accordingly, in compliance of general condition no. B(VI) & B(VII) of above refer letter sr. no. 1 & 2 respectively, we are enclosing herewith copies of Environmental Clearances for your reference, please.

Thanking You.
Yours Faithfully,

Authorized Signatory for Adani Enterprises Ltd.

Praveen Anant (Environment - Head)

**Encl:** As Above

Adani Enterprises Ltd
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad 382 421
Gujarat, India
CIN: L51100GJ1993PLC019067

Tel. + 91 79 2656 5555
Fax + 91 79 2555 5500
info@adani.com
www.adani.com

# Annexure - IX

| | |
|---|---|
| **From:** | Vinay Kumar Singh |
| **To:** | uh-gpcb-kute@gujarat.gov.in |
| **Cc:** | ms-gpcb; ro-gpcb-kute@gujarat.gov.in; IRO Gandhinagar |
| **Subject:** | Environment Statement (Form – V) for the FY 2025 – 26 for the Project "Poly-vinyl Chloride (PVC)" near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Mundra Petrochem Limited – Reg. |
| **Date:** | Saturday, May 9, 2026 11:22:17 AM |
| **Attachments:** | 02. Form V PVC Project 2025-26.pdf |

**Ref: MPL/ENV/GPCB – Form –V/2026–May/02** **Date:08/05/2026**

**To,** **PCB ID:86184**

The Unit Head, (Kutch District)
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10A,
Gandhinagar – 382 010
E-mail : uh-gpcb-kute@gujarat.gov.in

**Subject:** Environment Statement (Form – V) for the FY 2025–26 for the Project "Poly-vinyl Chloride (PVC)" near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Mundra Petrochem Limited – Reg.

**Reference: 1)** CTE no. 59301 granted by GPCB vide letter no. GPCB/ (PCB ID: 86184)/ 16246 dated 13/12/2022.
**2)** Amended CTE letter no. PC/CCA-KUTCH-2104/GPCB ID 86184/738939 Dated 12/04/2023.
**3)** MPL/ENV/GPCB – Form – V/2025 – May/02 Dated 12/05/2025.

Respected Sir,

With reference to the Consent to Establish issued by GPCB vide above refer letter dated 13/12/2022, amended vide letter dated 12/04/2023 for the project "Poly-vinyl Chloride (PVC)" near Village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Mundra Petrochem Limited.

The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Enclosed is the soft copy of the Environment Statement (Form – V) for the fiscal year 2025–26 for your reference and record please.

We hope you will find the above in order.

Thanking you,

Vinay Kumar Singh
CSO & BU Environment Head

**Encl: As Above**

Copy to : 1. Member Secretory, GPCB : ms-gpcb@gujarat.gov.in
2. Regional Office, GPCB (Kutch East): ro-gpcb-kute@gujarat.gov.in
3. Integrated Regional Office, MoEF&CC, Gandhinagar: iro.gandhingr-mefcc@gov.in

**Annexure - X**

O/C

adani

Ref: AEL/MPL/ENV/EC/2022 – September/07 Date: 06/09/2022

**To,**
Shri Shrawan Kumar Verma, IFS (Addl. Charge)
Deputy Director General of Forests (C)
Integrated Regional Office, Gandhi Nagar,
Ministry of Environment, Forest and Climate Change,
A-Wing–407 & 409, Aranya Bhawan, Near CH-3 Circle,
Sector-10A, Gandhinagar – 382010

एकीकृत क्षेत्रीय कार्यालय, गाँधीनगर
Integrated Regional Office, Gandhinagar
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
Ministry of Environment, Forest & Climate Change,
Govt. of India / भारत सरकार
कक्ष क्र. 407 व 409 ए विंग अरण्य भवन
Room No.407 & 409, A wing Aranya Bhavan
गाँधीनगर (गुजरात) / Gandhinagar(Gujarat)
09/09/22

**Subject:** Environment Clearance for Project "**Caustic Soda–1310 KTPA and Acetylene–860 KTPA plants near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat** by M/s Adani Enterprises Ltd.

**Reference:** EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022

Dear Sir,

With reference to above subject, this is to inform that the Ministry of Environment Forest and Climate Change has granted Environment Clearance for "Industry-III activity i.e. Caustic Soda–1310 KTPA and Acetylene–860 KTPA" (as a part of Proposed Coal to Poly-Vinyl Chloride (PVC) Project of M/s Adani Enterprises Ltd. (AEL) in land notified as Industrial area of APSEZ, Ta Mundra, Dist-Kachchh, Gujarat, comprising of IND-I projects i.e. Semi Coke–2030 KTPA, Cement–6 MTPA; Clinker–4 MTPA, IND-II projects i.e. VCM– 2002 KTPA, PVC–2000 KTPA, Ethylene Glycol– 400 KTPA and IND-III projects i.e. Acetylene–860 KTPA & Caustic Soda–1310 KTPA) and Calcium Carbide–2900 KTPA (Not Specified in EIA Notification)) by M/s Adani Enterprises Ltd." vide EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022. Copy enclosed as **Annexure – A**.

Accordingly, in compliance of EC condition No. B(x), we are submitting herewith copies of following News papers (**Annexure – B**) stating "*the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB (GPCB) and may also be seen at Website of the Ministry at https://parivesh.nic.in/ as well as on Company website at https://adanienterprises.com/-/media/e1d3761e5b154108947fff67fe6d940c.ashx* " for your reference, please.



Adani Enterprises Ltd
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad 382 421
Gujarat, India
CIN: L51100GJ1993PLC019067

Tel. + 91 79 2656 5555
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Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad - 382421

adani

| Sr. no. | Name of News Paper | Language | Date of Publication |
|---|---|---|---|
| 1 | Kutch Mitra | Gujarati | 05/09/2022 |
| 2 | Gujarat Samachar | Gujarati | 05/09/2022 |
| 3 | The Times of India | English | 05/09/2022 |

Thanking You.
Yours Faithfully,

Authorized Signatory for Adani Enterprises Ltd,



Praveen Anant (Environment - Head)

**Encl:** As Above

Copy to:

1). **The Member Secretory,**
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector – 10 A,
Gandhinagar 382 010

2). **The Regional Officer,**
Gujarat Pollution Control Board
(Kuchchh East),
Room no.215,216 & 217, Second floor,
Administration Office Building,
Deendayal Port Trust, Sector - 08,
Gandhidham – Kuchchh, 370 201



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## અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

શાંતિગ્રામ, એસ. જી. હાઈવે, અમદાવાદ - ૩૮૨૪૨૧. (ગુજરાત)

### જાહેર નોટિસ

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ, APSEZ ઔદ્યોગિક જમીન, વાંઢ & ટૂંડા ગામ નજીક, તા: મુન્દ્રા, જી: કચ્છ, ગુજરાત ખાતે પ્રસ્તાવિત **"ઇન્ડસ્ટ્રી - ૩ એક્ટિવિટી - કોસ્ટિક સોડા - ૧૩૧૦ કે.ટી.પી.એ. અને એસિટિલિન - ૮૬૦ કે.ટી.પી.એ."** (જે સૂચિત કોલ ટુ પોલી - વિનાયલ (પી.વી.સી.) પ્રોજેક્ટ ના ભાગ રૂપે મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ દ્વારા પ્રસ્તાવિત, APSEZ ઔદ્યોગિક જમીન, વાંઢ & ટૂંડા ગામ નજીક, તા: મુન્દ્રા, જી: કચ્છ, ગુજરાત, જેમાં ઇન્ડસ્ટ્રી - ૧ પ્રોજેક્ટ - સેમી કોક -૨૦૩૦ કે.ટી.પી.એ.; સિમેન્ટ - ૬ એમ.ટી.પી.એમ; ક્લિનકર - ૪ એમ.ટી.પી.એમ; ઇન્ડસ્ટ્રી - ૨ પ્રોજેક્ટ - વી.સી.એમ - ૨૦૦૨ કે.ટી.પી.એ., પી.વી.સી. - ૨૦૦૦ કે.ટી.પી.એ., ઈથીલીન ગ્લાયકોલ - ૪૦૦ કે.ટી.પી.એ, અને ઇન્ડસ્ટ્રી-૩ પ્રોજેક્ટ - એસિટિલિન - ૮૬૦ કે.ટી.પી.એ. અને કોસ્ટિક સોડા - ૧૩૧૦ કે.ટી.પી.એ અને કેલ્શિયમ કાર્બાઇડ - ૨૯૦૦ કે.ટી.પી.એ. (EIA નોટિફિકેશન માં દર્શાવેલ નથી) ના ભાગ રૂપે સમાવેશ થાય છે.)" માટે ની પર્યાવરણીય મંજૂરી મિનિસ્ટ્રી ઓફ એન્વિરોમેન્ટ, ફોરેસ્ટ અને ક્લાઇમેટ ચેન્જ, નવી દિલ્લી ના પત્ર ક્રમાંક : **EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022** ના રોજ પ્રાપ્ત થયેલ છે. સદરહુ માન્યતા અંગેનો પત્ર ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ની ઓફિસ માં તેમજ મિનિસ્ટ્રી ઓફ એન્વિરોમેન્ટ, ફોરેસ્ટ અને ક્લાઇમેટ ચેન્જ ની વેબ સાઈટ https://parivesh.nic.in પરથી પણ જોઈ શકાશે. તદ્ ઉપરાંત એન્વિરોન્મેન્ટ ક્લીયરન્સ ની કોપી કંપનનીની વેબસાઇટ https://www.adanienterprises.com/-/media/e1d3761e5b154108947fff67fe6d940c.ashx પર પણ જોઈ શકાશે.

sd-

**પ્રોદ્યુત માજી (પ્રોજેક્ટ હેડ)**

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

**News Paper: Gujarat Samachar, Page no:9, Date:05/09/2022, Language: Gujarati**

પત્ર નહીં મિત્ર
કચ્છમિત્ર
ભુજ - સોમવાર, તા.૦૫-૦૯-૨૦૨૨ કચ્છ ૫

## અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

શાંતિગ્રામ, એસ. જી. હાઇવે, અમદાવાદ - ૩૮૨૪૨૧. (ગુજરાત)

### જાહેર નોટિસ

મે. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ, APSEZ ઔદ્યોગિક જમીન, વાંઢ ઇ ટૂંડા ગામ નજીક, તા: મુન્દ્રા, જી: કચ્છ, ગુજરાત ખાતે પ્રસ્તાવિત **"ઇન્ડસ્ટ્રી - ૩ એક્ટિવિટી - કોસ્ટિક સોડા - ૧૩૧૦ કે.ટી.પી.એ. અને એસિટિલિન - ૮૬૦ કે.ટી.પી.એ."** (જે સૂચિત કોલ ટુ પોલી - વિનાયલ (પી.વી.સી.) પ્રોજેક્ટ ના ભાગ રૂપે મે. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ દ્વારા પ્રસ્તાવિત, APSEZ ઔદ્યોગિક જમીન, વાંઢ ઇ ટૂંડા ગામ નજીક, તા: મુન્દ્રા, જી: કચ્છ, ગુજરાત, જેમાં ઇન્ડસ્ટ્રી - ૧ પ્રોજેક્ટ - કોમી કોક - ૨૦૩૦ કે.ટી.પી.એ.; સિમેન્ટ - ૬ એમ.ટી.પી.એમ; ક્લિનકર - ૪ એમ.ટી.પી.એમ; ઇન્ડસ્ટ્રી - ૨ પ્રોજેક્ટ - વી.સી.એમ - ૨૦૦૨ કે.ટી.પી.એ., પી.વી.સી. - ૨૦૦૦ કે.ટી.પી.એ., ઈથીલીન ગ્લાયકોલ - ૪૦૦ કે.ટી.પી.એ, અને ઇન્ડસ્ટ્રી-૩ પ્રોજેક્ટ - એસિટિલિન - ૮૬૦ કે.ટી.પી.એ. અને કોસ્ટિક સોડા - ૧૩૧૦ કે.ટી.પી.એ અને કેલ્શિયમ કાર્બાઇડ - ૨૯૦૦ કે.ટી.પી.એ. (EIA નોટિફિકેશન માં દર્શાવેલ નથી) ના ભાગ રૂપે સમાવેશ થાય છે.)" માટે ની પર્યાવરણીય મંજૂરી મિનિસ્ટ્રી ઓફ એન્વિરોમેન્ટ, ફોરેસ્ટ અને ક્લાઇમેટ ચેન્જ, નવી દિલ્લી ના પત્ર ક્રમાંક : **EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022** ના રોજ પ્રાપ્ત થયેલ છે. સદરહુ માન્યતા અંગેનો પત્ર ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ ની ઓફિસ માં તેમજ મિનિસ્ટ્રી ઓફ એન્વિરોમેન્ટ, ફોરેસ્ટ અને ક્લાઇમેટ ચેન્જ ની વેબ સાઇટ https://parivesh.nic.in પરથી પણ જોઈ શકાશે. તદ્ ઉપરાંત એન્વિરોન્મેન્ટ ક્લીયરન્સ ની કોપી કંપનનીની વેબસાઇટ https://www.adanienterprises.com/-/media/e1d3761e5b154108947fff67fe6d940c.ashx પર પણ જોઈ શકાશે.

sd-

**ભોદ્યુત માજી (પ્રોજેક્ટ હેડ)**

મે. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

News Paper: Kutchmitra, Page no:5, Date:05/09/2022,
Language: Gujarati

## Adani Enterprises Limited

Shantigram, S.G. Highway, Ahmedabad-382421. (Gujarat)

### PUBLIC NOTICE

M/s Adani Enterprises Limited, APSEZ Industrial Land, Near Villages Vandh & Tunda, Taluka Mundra, District - Kachchh, Gujarat has been accorded Environmental Clearance (EC) for project **"Industry-III activity i.e. Caustic Soda–1310 KTPA and Acetylene–860 KTPA** (as a part of Proposed Coal to Poly - Vinyl Chloride (PVC) Project of AEL in land notified as Industrial area of APSEZ, Ta - Mundra, Dist - Kachchh, Gujarat, comprising of IND - I projects i.e. Semi Coke - 2030 KTPA, Cement - 6 MTPA; Clinker - 4 MTPA, IND-II projects i.e. VCM - 2002 KTPA, PVC–2000 KTPA, Ethylene Glycol - 400 KTPA and IND - III projects i.e. Acetylene - 860 KTPA & Caustic Soda - 1310 KTPA) and Calcium Carbide - 2900 KTPA (Not Specified in EIA Notification)) by M/s Adani Enterprises Ltd." by Ministry of Environment, Forest and Climate Change, Government of India vide **EC Identification No. - EC22A013GJ127411, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022**. The said clearance letter is available at website of the Ministry of Environment, Forest and Climate Change at https://parivesh.nic.in and also available at office of the Gujarat Pollution Control Board (GPCB). Copy of EC is also kept at website of the company at https://www.adanienterprises.com/-/media/e1d3761e5b154108947fff67fe6d940c.ashx

sd-
**Pradyut Maji (Project Head)**
M/s Adani Enterprises Limited

**News Paper: The Times of India, Page no:11, Date:05/09/2022, Language: English**