

To,

Shri Shrawan Kumar Verma, IFS
Deputy Director General of Forests (C)
Integrated Regional Office, Gandhinagar,
Ministry of Environment, Forest and Climate Change,
A-Wing-407 & 409, Aranya Bhawan, Near CH-3 Circle,
Sector-10A, Gandhinagar – 382010
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Subject: Six monthly compliance report (October, 2022 to March, 2023) 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.

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.

Presently, the coal to PVC Project is under basic & detail engineering and process design stage. However, we are hereby submitting soft copy of the six monthly EC compliance report for the period October, 2022 to March, 2023.

Thanking you,


Vinay Kumar Singh
General Manager – Environment & Sustainability

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

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Mundra Petrochem Limited

Introduction:

Mundra Petrochem Limited, wholly owned stepdown subsidiary of Adani Enterprises Limited (AEL) intends to setup a Coal to PVC Project at Mundra, Kachchh, Gujarat. The 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 proposed Coal to PVC Project.

For implementation of this project, various plants such as Semi-Coke Plant, Calcium Carbide Plant, Acetylene Plant, Caustic Soda (Chlor-Alkali process) Plant, VCM Plant, PVC Plant, Ethylene Glycol Plant and Cement Plant are proposed to be established.

PVC Produced from the facility will cater to the domestic market and replace imports in the domestic market. By- Products from the plant would be marketed in either in domestic market or export market depending upon market conditions.

Ministry of Environment Forest and Climate Change has granted Environment Clearance for proposed project "Coal to 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

Considering the company's long term business strategy, the proposed project is transferred from M/s Adani Enterprises Limited (AEL) to M/s Mundra Petrochem Limited (MPL). MPL is a wholly owned stepdown subsidiary company of M/s Adani Enterprises Limited (AEL), incorporated under the provision of Company Act, 2013 for carrying out various business activities for Semi-Coke, Calcium

Carbide, Cement & Clinker, VCM, PVC, Ethylene Glycol, Chlor-alkali and acetylene plants and associated products in 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)

Presently, the Coal to PVC project is under basic & detail engineering and process design stage, however, initial site preparation & construction activities have been started at the project site. The financial closure of the project shall be carried out after commissioning of the project.

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. | Agreed with requirements |
| (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. Remark: Project is under detailed designing stage. However, Green belt having requisite width will be developed in phased manner, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species will be done in consultation with the State Forest Department. Further, adequate width of greenbelt will be developed in the plant side adjacent to the Mangrove Forest. Further, budget earmarked for the same will be kept in separate account and shall be audited annually once activities started and report on the same shall be submitted. |
| (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 | A separate Environmental Management Cell (EMC) having qualified & experienced persons with specialization in Environmental Science / Engineering has been established for environment management, in which EMC head is directly reporting to Head of Organization/CEO as per company hierarchy. Further, a full-fledged environment laboratory will be developed at site to |

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| | <p>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.</p> | <p>carryout environmental monitoring once the activities commence at site. Audited statement for the same will be submitted to Regional office of MoEF&CC before 1st July of every year for the activities carried out during previous year once the activities started at site.</p> |
| (iv) | <p>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.</p> | <p>Noted and shall be complied with. Remarks- Presently, various process units of Coal to PVC project under development of basic & detail design and engineering stage and environmental protection measures & safeguards in line with the applicable regulatory requirements and best available technologies are being considered in the detailed project engineering design. Audited statement for the same will be submitted to Regional office of MoEF&CC before 1st July of every year once the activities commence at the site.</p> |
| (v) | <p>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</p> | <p>There will be no groundwater extraction for this project. Remarks-The total water requirement will be fulfilled through APSEZL Seawater Desalination plant. Further, this project is based on "Zero Liquid (Effluent) Discharge" concept. So, there will be no untreated water discharge at outside the premises. Further, 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 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 on commencement of operations.</p> |

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| (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. Project is under detailed engineering & designing stage. Modular STPs have been installed for construction phase. Engineering design of the STPs is in progress for treatment of domestic effluent during operational phase. |
| (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. Remarks-Project is under detailed designing stage. 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. Remarks: Presently, Coal to PVC project is under development of basic & detail design and engineering stage. A detailed decarbonation program shall be prepared after design & detailed engineering of the different processes. An action plan for the same will be prepared, implemented, monitored and a report in this regard shall be submitted to the IRO, MoEF&CC. |
| (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 shall be complied with the requirements. The project is under detailed design & engineering stage. Consultation process with the Forest Department, Kachchh, Bhuj, is also initiated for implementation of wildlife conservation plan. Activities proposed in the wildlife conservation plan have been initiated. Detail of the activities performed as part of "Wildlife Conservation Plan" is attached as Annexure-II . |

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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. Remarks - The project is under detailed design & engineering stage. However, All necessary precautions will be taken to avoid the 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. Remarks: The project is under detailed design & engineering stage. 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 fresh water demand and waste disposal. | Noted and shall be complied with the requirements. All possibilities will be explored for optimizing and reducing the water consumption during detailed engineering and operational stage by adopting water conservation measures. However, at present, modular Sewage treatment plant have been installed at admin / office area for treatment of domestic effluent during construction phase. Treated water being utilized for the development / growing of greenbelt. Further, analysis report of the same is enclosed as Annexure - III . |
| (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. Remarks- The project is under detailed design & engineering stage. Further, this project is on "Zero Liquid Discharge" concept and industrial as well domestic wastewater will be treated in well designed ETP and STP. |
| (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 | Noted and shall be complied with the requirements. Remark: The project is under detailed design & engineering stage. Continuous online (24x7) monitoring |

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| | <p>monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises</p> | <p>system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration as per CPCB Guideline and necessary arrangements will be made for transmission of data to the CPCB / SPCB server during 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.</p> |
| (xv) | <p>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.</p> | <p>Noted and shall be complied with the requirements. Remarks-Project is under detailed design & engineering stage. 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 on commencement of operations.</p> |
| (xvi) | <p>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.</p> | <p>Noted and shall be complied with the requirements. Remarks-he project is under detailed design & engineering stage. However, Occupational Health Center will be set up for surveillance of the worker's health within plant premises and deployment of workers shall be based on health status. Further, it will be ensured that all workers & employees are equipped with necessary Personal protection equipment's (PPEs) during construction as well as operational activities.</p> |
| (xvii) | <p>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.</p> | <p>Noted and shall be complied with. Remarks- the project is under detailed design & engineering stage. Necessary trainings will be conducted for all employees & contractor manpower on safety and health aspects for handling chemicals & other hazard controls. Further, Action plan for mitigation measures will be properly implemented based on the safety and risk assessment</p> |

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| | | studies once the activities commence at site. |
| (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. Remarks - The project is under detailed design & engineering stage. 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: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation. | Noted and shall be complied with the requirements. Remarks - The project is under detailed design & engineering stage |
| (xx) | The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water 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. Remarks- The project is under detailed design & engineering stage. However, rooftop rain water harvesting system will be designed and the storm water from the roof top will be channelized through pipes to the storage tank constructed for harvesting of rainwater in the premises and harvested water will be used for horticulture / landscaping or various industrial processes in the unit during operation phase based on suitability. Further, storm water drainage system will be constructed in a way that no process effluent and/or any wastewater shall allow to mix with storm water. |

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| (xxi) | <p>The PP shall undertake waste minimization measures as below:</p> <ul style="list-style-type: none"> (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation. | <p>Noted and shall be complied with the requirements.</p> <p>Remarks- The project is under detailed design & engineering stage. However, best available practices including suggested measures will be adopted for waste minimization.</p> |
| (xxii) | <p>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</p> | <p>Noted and being complied with the requirements.</p> <p>Remarks- Presently, Coal to PVC project is under development of basic & detail design and engineering stage. Action plan proposed to address the issues raised during public hearing and socio-economic issues in the study area shall be implemented as project progress at site.</p> <p>However, MPL has already initiated CER activities in all villages surrounding to project area and total CER expenditure incurred in various community welfare & eco-development activities during the period from November 2022 to March 2023 approx. 4.4 Cr aligned with CAPEX incurred till date.</p> <p>The detailed CER activities with expenditures are summarized in Annexure - IV.</p> |
| B | General Condition | |
| (i) | <p>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</p> | <p>Noted and shall be complied with.</p> |

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| | adequacy of conditions imposed and to add additional environmental protection measures required, if any. | |
| (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 shall be complied with. Remarks- The project is under detailed design & engineering stage. However, the best available practices will be adopted 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 shall be complied with the requirements. Remarks - Mandatory noise control measures including acoustic hoods, silencers, enclosures etc. as applicable will be provided where necessary for maintaining the ambient noise levels within the norms. Necessary monitoring of ambient noise level will also be carried out and reports of the same will be submitted to the concerned regulatory bodies. |
| (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. Remark: To improve the socio-economic conditions of the study area, various eco-developmental measures including community welfare activities are initiated in phased manner under Corporate Environmental Responsibility are initiated in phased manner will be undertaken by involving local villages and administration. In order to know the present social status and needs of the local community, a "Baseline & Need Assessment Study" is also carried out |

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| | | <p>through third party professional agency involving various stakeholders- local villagers, administration etc. and the recommendation of the study is further included in the CER plan for implementation in phased manner.</p> <p>MPL has already initiated CER activities in all villages surrounding project area and total CER expenditure approx.. INR 4.4 Cr. incurred in various community welfare & eco-development activities for the period from November, 2022 to March, 2023. The detailed CER activities with expenditures are summarized as Annexure - III.</p> |
| (vi) | <p>The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose</p> | <p>Noted and being complied with the requirements.</p> <p>Remarks- Presently, Coal to PVC project is under development of basic & detail design and engineering stage. Action plan proposed to address the issues raised during public hearing and socio-economic issues in the study area shall be implemented as project progress at site. However, MPL has already initiated CER activities in all villages surrounding to project area and total CER expenditure incurred in various community welfare & eco-development activities during the period from November 2022 to March 2023 approx. 4.4 Cr aligned with CAPEX incurred till date.</p> <p>Further, the capital cost & annual recurring cost towards the environmental protection measures is earmarked and expenditures related to environmental protection measures will be seperately tracked and reported as part of EC compliance and same will be made available in company website.</p> |

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| | | The detailed CER activities with expenditures are summarized in Annexure-III. |
| (vii) | A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. | <p>Complied with.</p> <p>The copies of the Environmental Clearance letter vide our following letter nos. have 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 - V.</p> <ol style="list-style-type: none"> 1. AEL/MPL/ENV/EC/2022-September/02 Dated 02/09/2022. 2. AEL/MPL/ENV/EC/2022-September/04 Dated 02/09/2022. 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. | <p>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 office of CPCB and SPCB.</p> |
| (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. | <p>The project is under detailed design & engineering stage. However, Environmental Statement for the year 2022-2023 will be prepared and submitted to Gujarat Pollution Control Board within stipulated time period and same will be also available on Compnay Website i.e https://www.adanienterprises.com. Further, soft copy of the same will be sent to IRO of MoEF&CC through e-mail before due date.</p> |

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| (x) | <p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry</p> | <p>The advertisement "stating the project has been accorded environmental clearance by MoEF&CC and also displayed on company website" - have been published on following news papers on 5th September, 2022. (i.e within 7 days of grant of Environmental Clearance).</p> <ol style="list-style-type: none"> 1. Kutch Mitra (Gujarati Language) 2. Gujarat Samachar (Gujarati Language) 3. The Times of India (English Language). <p>Copies of the same are enclosed as Annexure - VI.</p> <p>Further, 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 enclosed as Annexure - VII.</p> |
| (xi) | <p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p> | <p>Noted and shall be complied with the requirements.</p> <p>Remarks: Presently, the Coal to PVC project is under detailed design & engineering stage and initial construction activities have been started at the project site. The Financial Closure and approval of the project by concerned authorities shall be done after project commissioning. Status of project and financial closure of the same once attained, will be submitted to the regional office as well as to the MoEF&CC along with Six monthly Compliance report.</p> |
| (xii) | <p>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.</p> | <p>Noted and agreed with the requirement.</p> |

Annexures

| No. | Name |
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| I | AAQM Reports |
| II | Activities as per Wildlife conservation Plan |
| III | CER Activities |
| IV | Letter to District Collector |
| V | Copy of News Papers |
| VI | Letter to IRO, MoEF&CC, Gandhinagar |

Annexure I



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Phone : +91 260 2433966 / 2425610
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MoEF&CC (GOI) Recognized Environmental Laboratory under the EPA-1986 (12.01.2020 to 17.03.2023)

QCI-NABET Accredited EIA Consultant Organization

GPCB Recognized Environmental Auditor (Schedule-11)

ISO 9001:2015 Certified Company

ISO 45001:2018 Certified Company

TEST REPORT (AMBIENT AIR MONITORING)

| | | | |
|-----------------------------------|---|-------------------|------------|
| Test Report No.: | URA/23/03/A-MP001 | Report Issue Date | 04/04/2023 |
| Sample ID No.: | URA/ID/A-23/03/001 | | |
| Name & Add. of Customer | M/S. MUNDRA PETROCHEM LIMITED Survey No. 180, South of APL Road, Near Adani Power Plant, APSEZ, Tunda Village, Mundra, Kachchh, Gujarat, 370421 | | |
| Dates of Sampling | 24/03/2023 | Date of Testing | 26/03/2023 |
| Sampling Procedure | UERL/AIR/SOP/07 | | |
| Location of Sampling / Monitoring | Project Site (Near to Pocket -1) | | |

➤ **Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name | Serial Number | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/04 | Respirable Dust Sampler | 1714-DTE-2010 2681-DTC-2005 | 22/07/2022 | 21/07/2023 |
| UERL/AIR/FPS/07 | Fine Particulate Sampler | 271-DTE-2010 | 22/07/2022 | 21/07/2023 |

➤ **General Sampling / Monitoring Observation**

| Sr. No. | Description | Unit of measurement | Observation |
|---------|---|---------------------|-------------|
| 1. | Monitoring Duration | h | 24 |
| 2. | Flow Rate of PM ₁₀ | m ³ /min | 1.24 |
| 3. | Volume of Air Sampled for PM ₁₀ | m ³ | 1786 |
| 4. | Volume of Air Sampled for PM _{2.5} | m ³ | 24.04 |
| 5. | Flow Rate for Gas | L/min | 0.2 |
| 6. | Volume of Air Sample for Gas | L | 288 |

➤ **Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

| DISCIPLINE - CHEMICAL | | | NAME OF GROUP - ATMOSPHERIC POLLUTION | | |
|-----------------------|--|-------------------|---------------------------------------|----------------------------------|----------------------|
| Sr. No. | Test Parameter | Unit | Result | Permissible Limit (As per NAAQS) | Test Method |
| 1. | Particulate Matter as PM ₁₀ | µg/m ³ | 66.20 | 100 | IS - 5182, Part - 23 |
| 2. | Particulate Matter as PM _{2.5} | µg/m ³ | 23.54 | 60 | UERL/AIR/SOP/11 |
| 3. | Sulphur Dioxide as SO ₂ | µg/m ³ | 11.25 | 80 | IS - 5182, Part - 2 |
| 4. | Nitrogen Dioxide as NO ₂ | µg/m ³ | 19.30 | 80 | IS - 5182, Part - 6 |
| 5. | Carbon Monoxide as CO | mg/m ³ | <0.01 | 4.0 | IS - 5182, Part - 10 |
| 6. | Ozone as O ₃ | µg/M ³ | 12.25 | 180 | IS - 5182, Part - 9 |
| 7. | Ammonia as NH ₃ | µg/m ³ | <5.0 | 400 | UERL/AIR/SOP/05 |
| 8. | Lead as Pb | µg/m ³ | <0.50 | 1.0 | IS - 5182, Part - 22 |
| 9. | Nickel as Ni | ng/m ³ | <1.0 | 20 | IS - 5182, Part - 22 |
| 10. | Arsenic as As | ng/m ³ | <1.0 | 6.0 | IS - 5182, Part - 22 |
| 11. | Benzene as C ₆ H ₆ | µg/m ³ | <1.0 | 5.0 | IS - 5182, Part - 11 |
| 12. | Benzo (a) Pyrene (BaP) | ng/m ³ | <0.1 | 1.0 | IS - 5182, Part - 12 |

Note: NAAQMS: National Ambient Air Quality Monitoring Standard.

BDL: Below Detection Limit: 1) Hg: 0.001 µg/M³, 2) Ozone: 5.0 µg/M³

| | |
|--|--|
| Remarks: | |
| Opinion & Interpretation (if required): | |

***** End of Report *****

Checked By:

Nikunj D. Patel
(Chemist)

Page No.: 1 of 1

Authorized By:

Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

Note: This report is subject to Terms and Conditions mentioned overleaf.

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Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN: U73100GJ2007PTC051463

**TEST REPORT
(AMBIENT AIR MONITORING)**

| | | | |
|-----------------------------------|--|-------------------|------------|
| Test Report No.: | URA/23/03/A-MP002 | Report Issue Date | 04/04/2023 |
| Sample ID No.: | URA/ID/A-23/03/002 | | |
| Name & Add. of Customer | M/S. MUNDRA PETROCHEM LIMITED Survey No. 180, South of APL Road, Near Adani Power Plant, APSEZ, Tunda Village, Mundra, Kachchh, Gujarat, 370421 | | |
| Dates of Sampling | 24/03/2023 | Date of Testing | 26/03/2023 |
| Sampling Procedure | UERL/AIR/SOP/07 | | |
| Location of Sampling / Monitoring | Village - Navinal | | |

➤ **Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name | Serial Number | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/34 | Respirable Dust Sampler | 1768-DTB-2013 1147-DTB-2013 | 02/08/2022 | 01/08/2023 |
| UERL/AIR/FPS/21 | Fine Particulate Sampler | 20-DTC-2012 | 02/08/2022 | 01/08/2023 |

➤ **General Sampling / Monitoring Observation**

| Sr. No. | Description | Unit of measurement | Observation |
|---------|---|---------------------|-------------|
| 1. | Monitoring Duration | h | 24 |
| 2. | Flow Rate of PM ₁₀ | m ³ /min | 1.25 |
| 3. | Volume of Air Sampled for PM ₁₀ | m ³ | 1800 |
| 4. | Volume of Air Sampled for PM _{2.5} | m ³ | 24.04 |
| 5. | Flow Rate for Gas | L/min | 0.2 |
| 6. | Volume of Air Sample for Gas | L | 288 |

➤ **Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

| DISCIPLINE - CHEMICAL | | | NAME OF GROUP - ATMOSPHERIC POLLUTION | | |
|-----------------------|--|-------------------|---------------------------------------|-------------------------------------|----------------------|
| Sr. No. | Test Parameter | Unit | Result | Permissible Limit (As per NAAQS) | Test Method |
| 1. | Particulate Matter as PM ₁₀ | µg/m ³ | 56.18 | 100 | IS – 5182, Part - 23 |
| 2. | Particulate Matter as PM _{2.5} | µg/m ³ | 23.20 | 60 | UERL/AIR/SOP/11 |
| 3. | Sulphur Dioxide as SO ₂ | µg/m ³ | 8.54 | 80 | IS – 5182, Part – 2 |
| 4. | Nitrogen Dioxide as NO ₂ | µg/m ³ | 16.20 | 80 | IS – 5182, Part - 6 |
| 5. | Carbon Monoxide as CO | mg/m ³ | <0.01 | 4.0 | IS – 5182, Part – 10 |
| 6. | Ozone as O ₃ | µg/M ³ | 8.50 | 180 | IS – 5182, Part – 9 |
| 7. | Ammonia as NH ₃ | µg/m ³ | <5.0 | 400 | UERL/AIR/SOP/05 |
| 8. | Lead as Pb | µg/m ³ | <0.50 | 1.0 | IS – 5182, Part – 22 |
| 9. | Nickel as Ni | ng/m ³ | <1.0 | 20 | IS – 5182, Part – 22 |
| 10. | Arsenic as As | ng/m ³ | <1.0 | 6.0 | IS – 5182, Part – 22 |
| 11. | Benzene as C ₆ H ₆ | µg/m ³ | <1.0 | 5.0 | IS – 5182, Part – 11 |
| 12. | Benzo (a) Pyrene (BaP) | ng/m ³ | <0.1 | 1.0 | IS – 5182, Part – 12 |

Note: NAAQMS: National Ambient Air Quality Monitoring Standard.

BDL: Below Detection Limit: 1) Hg: 0.001 µg/M³, 2) Ozone: 5.0 µg/M³

| |
|--|
| Remarks: |
| Opinion & Interpretation (if required): |

***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

UERL/AIR/F-05/06

Note: This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT
(AMBIENT AIR MONITORING)**

| | | | |
|-----------------------------------|--|-------------------|------------|
| Test Report No.: | URA/23/03/A-MP003 | Report Issue Date | 04/04/2023 |
| Sample ID No.: | URA/ID/A-23/03/003 | | |
| Name & Add. of Customer | M/S. MUNDRA PETROCHEM LIMITED Survey No. 180, South of APL Road, Near Adani Power Plant, APSEZ, Tunda Village, Mundra, Kachchh, Gujarat, 370421 | | |
| Dates of Sampling | 25/03/2023 | Date of Testing | 27/03/2023 |
| Sampling Procedure | UERL/AIR/SOP/07 | | |
| Location of Sampling / Monitoring | Village - Vandh | | |

➤ **Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name | Serial Number | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/34 | Respirable Dust Sampler | 1768-DTB-2013 1147-DTB-2013 | 02/08/2022 | 01/08/2023 |
| UERL/AIR/FPS/21 | Fine Particulate Sampler | 20-DTC-2012 | 02/08/2022 | 01/08/2023 |

➤ **General Sampling / Monitoring Observation**

| Sr. No. | Description | Unit of measurement | Observation |
|---------|---|---------------------|-------------|
| 1. | Monitoring Duration | h | 24 |
| 2. | Flow Rate of PM ₁₀ | m ³ /min | 1.25 |
| 3. | Volume of Air Sampled for PM ₁₀ | m ³ | 1800 |
| 4. | Volume of Air Sampled for PM _{2.5} | m ³ | 24.04 |
| 5. | Flow Rate for Gas | L/min | 0.2 |
| 6. | Volume of Air Sample for Gas | L | 288 |

➤ **Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

| DISCIPLINE - CHEMICAL | | | NAME OF GROUP - ATMOSPHERIC POLLUTION | | |
|-----------------------|--|-------------------|---------------------------------------|-------------------------------------|----------------------|
| Sr. No. | Test Parameter | Unit | Result | Permissible Limit (As per NAAQS) | Test Method |
| 1. | Particulate Matter as PM ₁₀ | µg/M ³ | 72.25 | 100 | IS - 5182, Part - 23 |
| 2. | Particulate Matter as PM _{2.5} | µg/M ³ | 27.54 | 60 | UERL/AIR/SOP/11 |
| 3. | Sulphur Dioxide as SO ₂ | µg/M ³ | 13.25 | 80 | IS - 5182, Part - 2 |
| 4. | Nitrogen Dioxide as NO ₂ | µg/M ³ | 21.48 | 80 | IS - 5182, Part - 6 |
| 5. | Carbon Monoxide as CO | mg/m ³ | <0.01 | 4.0 | IS - 5182, Part - 10 |
| 6. | Ozone as O ₃ | µg/M ³ | 8.20 | 180 | IS - 5182, Part - 9 |
| 7. | Ammonia as NH ₃ | µg/m ³ | <5.0 | 400 | UERL/AIR/SOP/05 |
| 8. | Lead as Pb | µg/m ³ | <0.50 | 1.0 | IS - 5182, Part - 22 |
| 9. | Nickel as Ni | ng/m ³ | <1.0 | 20 | IS - 5182, Part - 22 |
| 10. | Arsenic as As | ng/m ³ | <1.0 | 6.0 | IS - 5182, Part - 22 |
| 11. | Benzene as C ₆ H ₆ | µg/m ³ | <1.0 | 5.0 | IS - 5182, Part - 11 |
| 12. | Benzo (a) Pyrene (BaP) | ng/m ³ | <0.1 | 1.0 | IS - 5182, Part - 12 |

Note: NAAQMS: National Ambient Air Quality Monitoring Standard.

BDL: Below Detection Limit: 1) Hg: 0.001 µg/M³, 2) Ozone: 5.0 µg/M³

Remarks:
Opinion & Interpretation (if required):

***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

Note: This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT
(AMBIENT AIR MONITORING)**

| | | | |
|-----------------------------------|--|-------------------|------------|
| Test Report No.: | URA/23/03/A-MP004 | Report Issue Date | 04/04/2023 |
| Sample ID No.: | URA/ID/A-23/03/004 | | |
| Name & Add. of Customer | M/S. MUNDRA PETROCHEM LIMITED Survey No. 180, South of APL Road, Near Adani Power Plant, APSEZ, Tunda Village, Mundra, Kachchh, Gujarat, 370421 | | |
| Dates of Sampling | 25/03/2023 | Date of Testing | 27/03/2023 |
| Sampling Procedure | UERL/AIR/SOP/07 | | |
| Location of Sampling / Monitoring | Village - Zarpara | | |

➤ **Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name | Serial Number | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/04 | Respirable Dust Sampler | 1714-DTE-2010 2681-DTC-2005 | 22/07/2022 | 21/07/2023 |
| UERL/AIR/FPS/07 | Fine Particulate Sampler | 271-DTE-2010 | 22/07/2022 | 21/07/2023 |

➤ **General Sampling / Monitoring Observation**

| Sr. No. | Description | Unit of measurement | Observation |
|---------|---|---------------------|-------------|
| 1. | Monitoring Duration | h | 24 |
| 2. | Flow Rate of PM ₁₀ | m ³ /min | 1.19 |
| 3. | Volume of Air Sampled for PM ₁₀ | m ³ | 1714 |
| 4. | Volume of Air Sampled for PM _{2.5} | m ³ | 24.04 |
| 5. | Flow Rate for Gas | L/min | 0.2 |
| 6. | Volume of Air Sample for Gas | L | 288 |

➤ **Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

| DISCIPLINE - CHEMICAL | | | NAME OF GROUP - ATMOSPHERIC POLLUTION | | |
|-----------------------|--|-------------------|---------------------------------------|-------------------------------------|----------------------|
| Sr. No. | Test Parameter | Unit | Result | Permissible Limit (As per NAAQS) | Test Method |
| 1. | Particulate Matter as PM ₁₀ | µg/M ³ | 60.25 | 100 | IS - 5182, Part - 23 |
| 2. | Particulate Matter as PM _{2.5} | µg/M ³ | 22.10 | 60 | UERL/AIR/SOP/11 |
| 3. | Sulphur Dioxide as SO ₂ | µg/M ³ | 6.54 | 80 | IS - 5182, Part - 2 |
| 4. | Nitrogen Dioxide as NO ₂ | µg/M ³ | 15.21 | 80 | IS - 5182, Part - 6 |
| 5. | Carbon Monoxide as CO | mg/m ³ | <0.01 | 4.0 | IS - 5182, Part - 10 |
| 6. | Ozone as O ₃ | µg/M ³ | 7.25 | 180 | IS - 5182, Part - 9 |
| 7. | Ammonia as NH ₃ | µg/m ³ | <5.0 | 400 | UERL/AIR/SOP/05 |
| 8. | Lead as Pb | µg/m ³ | <0.50 | 1.0 | IS - 5182, Part - 22 |
| 9. | Nickel as Ni | ng/m ³ | <1.0 | 20 | IS - 5182, Part - 22 |
| 10. | Arsenic as As | ng/m ³ | <1.0 | 6.0 | IS - 5182, Part - 22 |
| 11. | Benzene as C ₆ H ₆ | µg/m ³ | <1.0 | 5.0 | IS - 5182, Part - 11 |
| 12. | Benzo (a) Pyrene (BaP) | ng/m ³ | <0.1 | 1.0 | IS - 5182, Part - 12 |

Note: NAAQMS: National Ambient Air Quality Monitoring Standard.

BDL: Below Detection Limit: 1) Hg: 0.001 µg/M³, 2) Ozone: 5.0 µg/M³

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|--|
| Remarks: |
| Opinion & Interpretation (if required): |

***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

UERL/AIR/F-05/06

Note: This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT
(AMBIENT AIR MONITORING)**

| | | | |
|-----------------------------------|--|-------------------|------------|
| Test Report No.: | URA/23/03/A-MP005 | Report Issue Date | 04/04/2023 |
| Sample ID No.: | URA/ID/A-23/03/005 | | |
| Name & Add. of Customer | M/S. MUNDRA PETROCHEM LIMITED Survey No. 180, South of APL Road, Near Adani Power Plant, APSEZ, Tunda Village, Mundra, Kachchh, Gujarat, 370421 | | |
| Dates of Sampling | 27/03/2023 | Date of Testing | 29/03/2023 |
| Sampling Procedure | UERL/AIR/SOP/07 | | |
| Location of Sampling / Monitoring | Project Site (Pocket – 1) | | |

➤ **Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name | Serial Number | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/04 | Respirable Dust Sampler | 1714-DTE-2010 2681-DTC-2005 | 22/07/2022 | 21/07/2023 |
| UERL/AIR/FPS/07 | Fine Particulate Sampler | 271-DTE-2010 | 22/07/2022 | 21/07/2023 |

➤ **General Sampling / Monitoring Observation**

| Sr. No. | Description | Unit of measurement | Observation |
|---------|---|---------------------|-------------|
| 1. | Monitoring Duration | h | 24 |
| 2. | Flow Rate of PM ₁₀ | m ³ /min | 1.22 |
| 3. | Volume of Air Sampled for PM ₁₀ | m ³ | 1756 |
| 4. | Volume of Air Sampled for PM _{2.5} | m ³ | 24.04 |
| 5. | Flow Rate for Gas | L/min | 0.2 |
| 6. | Volume of Air Sample for Gas | L | 288 |

➤ **Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

| DISCIPLINE - CHEMICAL | | | NAME OF GROUP - ATMOSPHERIC POLLUTION | | |
|-----------------------|--|-------------------|---------------------------------------|-------------------------------------|----------------------|
| Sr. No. | Test Parameter | Unit | Result | Permissible Limit (As per NAAQS) | Test Method |
| 1. | Particulate Matter as PM ₁₀ | µg/M ³ | 73.22 | 100 | IS – 5182, Part - 23 |
| 2. | Particulate Matter as PM _{2.5} | µg/M ³ | 30.24 | 60 | UERL/AIR/SOP/11 |
| 3. | Sulphur Dioxide as SO ₂ | µg/M ³ | 13.52 | 80 | IS – 5182, Part – 2 |
| 4. | Nitrogen Dioxide as NO ₂ | µg/M ³ | 21.44 | 80 | IS – 5182, Part - 6 |
| 5. | Carbon Monoxide as CO | mg/m ³ | <0.01 | 4.0 | IS – 5182, Part – 10 |
| 6. | Ozone as O ₃ | µg/M ³ | 11.30 | 180 | IS – 5182, Part – 9 |
| 7. | Ammonia as NH ₃ | µg/m ³ | <5.0 | 400 | UERL/AIR/SOP/05 |
| 8. | Lead as Pb | µg/m ³ | <0.50 | 1.0 | IS – 5182, Part – 22 |
| 9. | Nickel as Ni | ng/m ³ | <1.0 | 20 | IS – 5182, Part – 22 |
| 10. | Arsenic as As | ng/m ³ | <1.0 | 6.0 | IS – 5182, Part – 22 |
| 11. | Benzene as C ₆ H ₆ | µg/m ³ | <1.0 | 5.0 | IS – 5182, Part – 11 |
| 12. | Benzo (a) Pyrene (BaP) | ng/m ³ | <0.1 | 1.0 | IS – 5182, Part – 12 |

Note: NAAQMS: National Ambient Air Quality Monitoring Standard.

BDL: Below Detection Limit: 1) Hg: 0.001 µg/M³, 2) Ozone: 5.0 µg/M³

| |
|--|
| Remarks: |
| Opinion & Interpretation (if required): |

***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

UERL/AIR/F-05/06

Note: This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT
(AMBIENT AIR MONITORING)**

| | | | |
|-----------------------------------|--|-------------------|------------|
| Test Report No.: | URA/23/03/A-MP006 | Report Issue Date | 04/04/2023 |
| Sample ID No.: | URA/ID/A-23/03/006 | | |
| Name & Add. of Customer | M/S. MUNDRA PETROCHEM LIMITED Survey No. 180, South of APL Road, Near Adani Power Plant, APSEZ, Tunda Village, Mundra, Kachchh, Gujarat, 370421 | | |
| Dates of Sampling | 27/03/2023 | Date of Testing | 29/03/2023 |
| Sampling Procedure | UERL/AIR/SOP/07 | | |
| Location of Sampling / Monitoring | Project Site (Pocket – 3) | | |

➤ **Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name | Serial Number | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|---------------|------------|-----------------|
| UERL/AIR/RDS/34 | Respirable Dust Sampler | 1768-DTB-2013 | 02/08/2022 | 01/08/2023 |
| | | 1147-DTB-2013 | | |
| UERL/AIR/FPS/21 | Fine Particulate Sampler | 20-DTC-2012 | 02/08/2022 | 01/08/2023 |

➤ **General Sampling / Monitoring Observation**

| Sr. No. | Description | Unit of measurement | Observation |
|---------|---|---------------------|-------------|
| 1. | Monitoring Duration | h | 24 |
| 2. | Flow Rate of PM ₁₀ | m ³ /min | 1.25 |
| 3. | Volume of Air Sampled for PM ₁₀ | m ³ | 1800 |
| 4. | Volume of Air Sampled for PM _{2.5} | m ³ | 24.04 |
| 5. | Flow Rate for Gas | L/min | 0.2 |
| 6. | Volume of Air Sample for Gas | L | 288 |

➤ **Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

| DISCIPLINE - CHEMICAL | | | NAME OF GROUP - ATMOSPHERIC POLLUTION | | |
|-----------------------|--|-------------------|---------------------------------------|-------------------------------------|----------------------|
| Sr. No. | Test Parameter | Unit | Result | Permissible Limit (As per NAAQS) | Test Method |
| 1. | Particulate Matter as PM ₁₀ | µg/M ³ | 61.55 | 100 | IS – 5182, Part - 23 |
| 2. | Particulate Matter as PM _{2.5} | µg/M ³ | 25.30 | 60 | UERL/AIR/SOP/11 |
| 3. | Sulphur Dioxide as SO ₂ | µg/M ³ | 10.45 | 80 | IS – 5182, Part – 2 |
| 4. | Nitrogen Dioxide as NO ₂ | µg/M ³ | 17.86 | 80 | IS – 5182, Part - 6 |
| 5. | Carbon Monoxide as CO | mg/m ³ | <0.01 | 4.0 | IS – 5182, Part – 10 |
| 6. | Ozone as O ₃ | µg/M ³ | 10.50 | 180 | IS – 5182, Part – 9 |
| 7. | Ammonia as NH ₃ | µg/m ³ | <5.0 | 400 | UERL/AIR/SOP/05 |
| 8. | Lead as Pb | µg/m ³ | <0.50 | 1.0 | IS – 5182, Part – 22 |
| 9. | Nickel as Ni | ng/m ³ | <1.0 | 20 | IS – 5182, Part – 22 |
| 10. | Arsenic as As | ng/m ³ | <1.0 | 6.0 | IS – 5182, Part – 22 |
| 11. | Benzene as C ₆ H ₆ | µg/m ³ | <1.0 | 5.0 | IS – 5182, Part – 11 |
| 12. | Benzo (a) Pyrene (BaP) | ng/m ³ | <0.1 | 1.0 | IS – 5182, Part – 12 |

Note: NAAQMS: National Ambient Air Quality Monitoring Standard.

BDL: Below Detection Limit: 1) Hg: 0.001 µg/M³, 2) Ozone: 5.0 µg/M³

Remarks:
Opinion & Interpretation (if required):

***** End of Report *****

Checked By:



Nikunj D. Patel
(Chemist)

Page No.: 1 of 1

Authorized By:



Jaivik S. Tandel
(Manager - Operations)
UERL/AIR/F-05/06

Note: This report is subject to Terms and Conditions mentioned overleaf.

Annexure – II Activities for Wildlife Conservation Plan

Awareness program for "Wildlife conservation" for surrounding area has been conducted at near by village. The details covers under wildlife conservation are need of wild life conservation, definition of wildlife, importance of wild life conservation, methods of wildlife conservations, actions taken by Adani foundations for conservation activities at near by villages.



Further, other activities like plantation program for conservation of habitat artificial concrete water pond of 1000 Lit Capacity to provide drinking water facility to wild animals and Mangrove plantation have been initiated in consultation with District Forest Department, Kutch.



Annexure – III

Activities of Corporate Environmental Responsibility

In line with the proposed Corporate Environment Responsibility (CER) plan as per EIA study and Environment Clearance (EC), Mundra Petrochem Limited has planned phase wise implementation of the various community & eco-development activities in all 15 villages surroundings to the project activity as part of extended Environment Management Plan (EMP).

Presently, Coal to PVC project is under development of basic & detail design and engineering stage. Action plan proposed to address the issues raised during public hearing and socioeconomic issues in the study area shall be implemented as project progress at site.

Accordingly, MPL has already initiated CER activities in all villages surrounding project area and total CER expenditure incurred in various community welfare & eco-development activities during the period from November 2022 to March 2023 was approx. **INR 4.4 Cr** aligned with CAPEX incurred till date as project is still in detail engineering & design stage.

Also, in order to know the present socio-economic status and needs of the local community, a "Baseline & Need Assessment Study" is also carried out through third party professional agency i.e. M/s Saline Area Vitalisation Enterprise Pvt. Ltd., involving various stakeholders- local villagers, administration etc. and the recommendation of the study is further included in the CER plan for implementation in phased manner.

Further, following activities have been completed for the period from November 2022 to March, 2023.

| Sr. No. | Details / Descriptions | Budget Utilized (INR) |
|---------|--|-----------------------|
| A | Education Initiatives | 21,52,440 |
| B | Monitoring and Reporting. | 18,02,599 |
| C | Sustainable Livelihood and women Empowerment | 5,187,580 |
| D | Community Rural Infrastructure Development | 3,51,80,541 |
| E | Biodiversity | 1,21,465 |
| | Total (INR) | 44,444,625 |

A. Education Initiatives:

Adani Foundation set out an innovative intervention through project “**Utthan**” to improve students' learning capabilities, provide facilities to schools to improve environment and achieve better learning outcomes at the grassroots level with the help of “**Utthan sahayak**”. Mundra Petrochem limited have supported schools for their infrastructure development.



Fisherfolk Livelihood & Skill Development

Mundra Petrochem limited has organized Placement cum Training awareness camp at Moti Bhujpur village in coordination with Adani Foundation for identification of Technical manpower suitable for MPL Project. More than 52 Youth were participated among them, 18 were selected for technical training.

As part of skill development, training on stitching were also arranged for Fisherfolk communities of Zarpara and Navinal village through Adani Skill Development Center. More than 15 women are benefitted with 7 stitching machines which helps them for self-employment through bag stitching and sales.



Photo: Fisherfolk Livelihood & Skill Development activities

Natural Farming

Mundra Petrochem Limited & Adani foundation in collaboration with Govt Agri. Dept organized district level workshop at Mundra as a part of the "Bharat Ka Amrut Mahotsav". The workshop was aimed to bringing all together to promote, implement and ensure convergence of natural farming to village level by involving "Gram Sevak" of kutch region. MPL has also organized training program on "Jivamrut preparation". More than 150 Gram Sevak across Kutch had participated and made aware about systematic and scientific way for effective Natural farming practices and ensure to incorporate it to Farm.

Regular awareness sessions related to "Natural Farming" are being organized for the farming communities aiming for an increase in agricultural productivity and to improve the quality of soil by adopting natural farming practices, reducing the Soil/ air pollution and improve the health condition of the users and their families with the help of Jivamrut, Vormi compost bed, Nimastra Agnistra Dasparni ark, Gaukrupa Amrutam bacteria and Biogas etc. It ensures

a healthy life due to cow based natural products is used instead of chemical fertilizers and pesticides.

Total 505 villagers from five villages of Mundra taluka were participated for the training.



Photo: Training programs for farming communities on Natural Farming

Wetland Day Celebration:

Mundra Petrochem Limited (MPL) has organized celebration of "World Wetland Day" on 2nd February 2023. Various awareness program on wetland restoration and coastal biodiversity was organized involving students. On this occasion, representative from Gujarat Pollution Control Board and Gujarat Institute of Desert Ecology (GUIDE) were present and addressed.



Photo: Wetland Day Celebration

Plastic Free Village Awareness

Awareness program for "Ban on Single use plastic" has been conducted at 6 Government Schools and 3 Self Help Groups of nearby villages as per The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. Awareness Program has covers CPCB Notification Dated 12/08/2021, prohibited plastic items, problems of plastic waste, awareness of plastic waste, plastic recycling numbers and its meaning.



Photo: Awareness Program on “Ban on Single Use Plastic”

B. Monitoring and Reporting:

In order to better understand the felt needs of the local people in a continuously changing socio-economic environment and enhance the impact of its efforts, Mundra Petrochem Limited engaged M/s SAVE Pvt. Ltd. and involving various stakeholders- local villagers, administration etc. to develop a baseline survey of 18 villages of Mundra (11 villages) & Mandvi taluka (07 villages) of Kutch District. The recommendation of the study is further included in the CER plan for implementation in phased manner.

SAVE Pvt. Ltd. SAVE – Saline Area Vitalization Enterprise Pvt. Limited, established in 1995, is a technical service organization (TSO). The organization is designed to provide technical services in natural resource management, livelihood & enterprise development and market linkage services to various stakeholders (Community based organizations, NGOs, Government, Industries and donor agencies) engaged in development process in coastal regions of Gujarat.





Photo: Stakeholder consultation process by SAVE Pvt. Ltd. as part of "Baseline and need assessment study".

C. Sustainable Livelihood and Women empowerment:

Women empowerment

Through Adani Foundation, Mundra Petrochem Limited has initiated various initiatives for empowerment of women through Self Help Group (SHG) for self-employment and also engaged women farmers in various trainings programs i.e. operations of farming equipment's, Government Schemes/various Subsidies on

agriculture/horticulture/cattle's etc., awareness on home biogas, cattle feed or NB21 promotion etc.

On theme of "Annadata sukhi bhava" means 'those who are providing me with this food, let them be happy'. Honored 150 women farmers who proved her selves as a farmer entrepreneur from Mundra and Mandvi Taluka. Also, awarded 12 women farmers for their outstanding contribution as a farmer in society. Mineral mixture kit was given to each woman farmer. Information's provided on various schemes/initiatives by Government and other organizations. Technical solutions provided on various problem faced by farming communities.



Photo: Event organized on "Women Farmer's Day Celebration" on 23rd December 2022

Fodder support:

As part of "Corporate Environment Responsibility (CER)", Mundra Petrochem Limited supported local communities by providing green fodder for feeding the milch animals in surrounding villages of the project activity. Green fodder plays major role in feed of milch & other animals, thereby providing required nutrients for milk production and health of animals specially the milch animals – Cow. MPL has supported of approx.. 1200 tonnes of green fodder which helps in feeding more than 2500 cattle's in the villages.



Photo: MPL support for fodder supply in surrounding villages

Home Biogas: Mundra Petrochem Limited (MPL) in association with the Adani Foundation engaged various farming communities in villages surrounding to Coal to PVC project activity to spread awareness about the use of biogas generated from the cattle dung from Bio-gas plant which provide farmer's a sustainable solution for energy security for cooking and compost generated form the biogas plan will be used as organic fertilizer for natural farming.

MPL has already Identified 225 Farmers on need basis for Home biogas support.





Photo: Awareness & demonstration of Home Bio-gas system to farming communities.

Rooftop Rain Water Harvesting System (RRWHS):

As part of "Corporate Environment Responsibility (CER)", Mundra Petrochem Limited through Adani Foundation has planned to construct Rooftop Rainwater harvesting system to collect, convey and store rain for later use from relatively clean surfaces such as a roof. Rainwater Harvesting is a simple method of collecting rainwater and deploying the same for further usage, a step towards water conservation aiming towards fulfillment of Corporate Environment Responsibility.

For implementation of RRWHS, MPL has conducted number of awareness meetings with the household owners (Vadi Vistar area) in the villages through Adani Foundation to make them aware on water conservation and safe drinking water. Three villages namely Navinal, Bhujpur and Nani Khakhar agreed to cover



100 Vadi Vistar area under Rooftop Rainwater harvesting system. The initiative will also help in reducing the women's drudgery & save time for productive work.



Photo: Awareness meetings Vadi Vistar area on Rooftop Rainwater harvesting

D. Community Rural Infrastructure Development:

Mundra Petrochem Limited has supported local communities by developing various infrastructure facilities in the villages surrounding to the project activity-

CER Work



Kabadi mat Support - Zarpara



School Repairing Work Tunda



Benches support Pond Beatification



Storeroom , Kandagra

E. Bio-Diversity:



Coastal Biodiversity :

Mundra Petrochem Limited is in a process of multi species Mangrove Biodiversity Park with collaboration of Gujarat Institute of Desert Ecology (Bhuj, Kachchh Total 20 hector area have been developed with multi species Mangrove plantation at Luni coast, Mundra Avicenna Marina, Rhizophora Mucronata Ceriops Tagal, Ceripos decandra are the spices of Biodiversity Park Due to this massive costal plantation, different birds, crabs, fishes and other insects will be attracted towards coast.

Terrestrial Biodiversity:

In 16 villages with coordination of Village Development Committee, in 2 acre land biodiversity park will be developed which will be divided in 4 compartments i e fruit bearing trees, medicinal trees, oxygen trees and native spices which will be connected by paver pathways Terrestrial habitats are ones that are found on land, like forests, grasslands, deserts, shorelines, and wetlands Terrestrial habitats also include man made habitats, like farms, towns, and cities, and habitats that are under the earth, like caves and mines Discussion with village development committee regrading provision of land This initiative will attract various flora and fauna.



Mundra Petrochem Limited has planted 76000 nos. of Mangrove saplings as part of Afforestation program (~1.1 Ha) at creek area near MPL Project through participation of local fisherman community. Mangrove Afforestation has carbon sequestration potential of 600 to 700 tCO₂ eq per hectare over 40 years period.

Other community and eco-developmental activities in villages by Adani Group

In addition to above, Adani Foundation has carried out various socio-economic & eco developmental activities at villages of Taluka: Mundra and Mandavi. Adani Foundation helping community by facilitating quality education, enabling the youth with income-generating skills, promoting a healthy society and supporting infrastructure development. With an aim to contribute to the holistic development of communities, the Adani Foundation is contributing to the global agenda of meeting Sustainable Development Goals (SDGs).

Few activities are listed as:

1. 400577 numbers of participants beneficated under Project Udaan with vision "To Create a Pool of inspired young mind" and mission for "To motivate young students to dream big".
2. Pashudhan & Preventive Health care management.
3. Grass Land Development and Individual Fodder Cultivation.
4. Total 17299 cattle of 19 Villages had benefitted With different kind of medicines and vaccines.
5. Lumpy Disease Vaccination Drive.
6. Prakrutik Sahkari Mandli.
7. Biogas support program
8. Water Conservation Project
9. Adani Skill Development Centre (ASDC), Mundra has signed MoU with Kachchh District Education Office. ASDC has provided training of Digital

Literacy and Basic Functional English in Kachchh District Schools. As per MOU Kachchh District Education Office has provided 4000 candidates to us for training (Adani Skill Development Centre).

10. Adani Skill Development Centre (ASDC), Mundra has organized various skill development trainings on various useful courses i.e. Pedicurist and Manicurist, Beauty Therapist, Electrician, mason, digital literacy, data entry operator etc. and benefitted more than 4,500 participants.
11. Various Community Infrastructure Development (CID) program for improving infrastructure facilities of rural and urban area were also implemented for upliftment of health care, education, agriculture, water and sanitation and other basic facilities for sustainable rural development:
 - a. 40 numbers of Roof Rain water Harvesting System constructed at nearby villages.
 - b. 2 numbers of Pond deepening work at nearby villages along with Pond Beatification bund strengthening work completed at Bhujpur.
 - c. 2 percolations Bore recharge work.
 - d. School repairing and renovation work at Tunda Village.
 - e. Construction of house for needy fisherman
 - f. Renovation of Approach Road
 - g. and Many more
12. Community Health Programs: Adani Foundation is relentlessly working to Provide access of quality health facilities at Doorstep level to create health Society for healthy nation development through various kind of health Projects Adani Foundation is relentlessly working to Provide access of quality health facilities at Doorstep level to create health Society for healthy nation development through various kind of health projects-



Cattle Health Camp& Lumpy Disease Vaccination Drive



Biogas Support to 100 Farmers by Linkages through DRDA



Promotion of Natural Farming



Medical Support and Health Check – up at Nearby villages

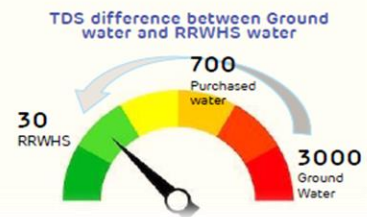
Water conservation and Management

Process Flow for Rooftop Rain Water Harvesting System



- Portable water at door step
- Cost saving for portable water
- Improved water quality with
- Creates water conservation awareness in rural community
- Improves standard of living of rural community

Total RRWHS :- 145
 RRWHS Constructed in 2022-23 :- 40
 Population Impacted :- 500+
 Savings per household :- 10000+



Providing Rooftop Rain Water Harvesting System at nearby villages.



Pond renovation for water harvesting and ground water recharge



Photo: Training programs by Adani Skill Development Centre



Photo: Community Health Care activities

adani

Date: 02/09/2022

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

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

Received
2/9/22



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

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સોમવાર, તા.૫ સપ્ટેમ્બર, ૨૦૨૨

(કચ્છ આવૃત્તિ) ગુજરાત સમાચાર ૯

અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

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

બાહર નોટિસ

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ, APSEZ ઔદ્યોગિક જમીન, વાંટ ૯ 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 - વિનાચલ (પી.વી.સી.) પ્રોજેક્ટ ના ભાગ રૂપે મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ દ્વારા પ્રસ્તાવિત, APSEZ ઔદ્યોગિક જમીન, વાંટ ૯ 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., ઇથીલીન 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 કેલ્સિયમ કાબાઇડ - ૨૮૦૦ કે.ટી.પી.એ. (EIA નોટિફિકેશન માં દર્શાવેલ નથી) ના ભાગ રૂપે સમાવેશ થાય છે.)" માટે ની પર્યાવરણીય મૂલ્યો 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 એન્વિરોમેન્ટ કલેયરન્સ ની કોપી કંપનનીની વેબસાઇટ <https://www.adanienterprises.com/-/media/e1d3761e5b154108947fff67fe6d940c.ashx> પર પણ જોઈ શકાશે.

sd-

પ્રોદ્યુત માણુ (પ્રોજેક્ટ ડેડ)

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ



પત્ર નહીં મિત્ર

કચ્છમિત્ર

બુજ - સોમવાર, તા.૦૫-૦૯-૨૦૨૨

કચ્છ

૫

અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

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

જાહેર નોટિસ

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ, APSEZ ઔદ્યોગિક જમીન, વાંદ 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 મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ દ્વારા પ્રસ્તાવિત, APSEZ ઔદ્યોગિક જમીન, વાંદ ઇ 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 - ૨૮૦૦ કે.ટી.પી.એ. (EIA નોટિફિકેશન માં દર્શાવેલ નથી) ના ભાગ રૂપે સમાવેશ થાય છે.)" માટે ની પર્યાવરણીય મંજૂરી મિનિસ્ટ્રી ઓફ એન્વિરોનમેન્ટ, 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 એન્વિરોનમેન્ટ, ફોરેસ્ટ અને ક્લાઇમેટ ચેન્જ ની વેબ સાઇટ <https://parivesh.nic.in> પરથી પણ જોઈ શકાશે. તદ્ ઉપરાંત એન્વિરોનમેન્ટ કલેયરન્સ ની કોપી કંપનનીની વેબસાઇટ <https://www.adanienterprises.com/-/media/e1d3761e5b154108947fff67fe6d940c.ashx> પર પણ જોઈ શકાશે.

sd-

પ્રોદ્યુત માણુ (પ્રોજેક્ટ હેડ)

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

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



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, गांधीनगर
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
गांधीनगर (गुजरात) / Gandhinagar(Gujarat)

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
Fax + 91 79 2555 5500
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www.adani.com

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



| 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 Secretary,**
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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