

To,

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Subject: Six monthly compliance report (October, 2022 to March, 2023) of Environment Clearance (EC) for the project activities "VCM-2002 KTPA, PVC-2000 KTPA, Ethylene Glycol- 400 KTPA near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat" by M/s Mundra Petrochem Limited.

Reference : 1). EC Identification No. - EC22A020GJ133762, File No. - IA-J-11011/149/2021-IA II(I) dated 31/08/2022.
2). F.No.J-11011/149/2021 – IA – II(I) Dated 27/12/2022.

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 "VCM-2002 KTPA, PVC-2000 KTPA, Ethylene Glycol- 400 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 27/12/2022 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

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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-II- Proposed VCM–2002 KTPA, PVC–2000 KTPA, Ethylene Glycol– 400 KTPA vide EC Identification No: EC22A020GJ133762 File No: IA-J-11011/149/2021-IA-II(I) Date: 31/08/2022 & subsequent EC Transfer vide File no. J-11011/149/2021-IA-II(I) Dated 27/12/2022

S. No	Conditions	Status
A	Specific Condition	
(i)	The project proponent shall abide by all orders and judicial pronouncements made from time to time in the case related to public hearing and land which is pending with Gujarat High court	Agreed with requirements
(ii)	3D studies of risk assessment shall be carried out for all hazardous chemicals and submitted to MoEF&CC within three (03) months. Recommendations of mitigation measures from possible accident shall be implemented based on advanced risk Assessment studies conducted for worst case scenarios using latest techniques.	<p>Noted and shall be complied with. Remark: Presently, Coal to PVC project various process units under development of basic & detail design and engineering stage. HAZOP review for the process plants is being carried out for all process units under Coal to PVC complex for identifying all potential hazard and operability Presently, Coal to PVC project various process units under development of basic & detail design and engineering stage. HAZOP review for the process units under Coal to PVC complex for identifying all potential hazard and operability problems and access the associated risks and safeguards along with risk reduction measures with help of guide words by structured review.</p> <p>Moreover, Quantitative Risk Assessment & 3D (Three-dimensional) Risk Assessment study for entire Green PVC Complex will also be carried out considering all scenarios for all hazardous chemicals using latest advance risk assessment techniques/tools to access the risk and associated mitigation measures and report will be submitted to MoEF&CC.</p>

S. No	Conditions	Status
(iii)	PP shall conduct monitoring of site specific meteorological data & air quality modelling for winter season after commissioning of plant and submit the report to the Regional Office of MoEF&CC.	Noted and shall be complied with the requirements. Remark: The project is under detailed design stage. Site specific meteorological data & air quality modelling for winter season will be conducted after commissioning of plant and same will be submitted to regional office of MoEF&CC.
(iv)	SO ₂ emission standard from coal fired steam boilers within the projects is proposed to be within 100 mg/Nm ³ that shall be achieved by installing suitable APCD such as Flue Gas Desulphurization for reduction of SO _x emissions. The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November 2012 as amended time to time shall be followed.	Noted and shall be complied with the requirements. Remark: The project is under detailed design stage. However, suitable APCD will be installed to control the SO _x emission level within the stipulated norms.
(v)	Incinerator of VCM Plant shall be constructed as per regulatory requirements under The Environment (Protection) Rules, 1986 for incinerator facility. VCM monitoring in ambient air shall be conducted online at 4-5 locations within plant and at AAQM monitoring locations within the study area also. Dioxins and furan emissions shall be controlled by providing proper control systems including chillers, carbon and lime dosing and running the process as per the CPCB guidelines. Monthly VOC monitoring shall be done at vulnerable points.	Noted and shall be complied with Remark: The project is under detailed design stage. However, Necessary arrangement will be done as per stipulated norms to construct the incinerator of VCM and controlling the Dioxins and furan emissions. The engineering design of VCM incinerator will be carried out in compliance with the applicable rules as amended in the Environment (Protection) Rules, 2010 (G.S.R.608 (E), 21st July 2010). Further, During operations, monitoring of VCM and Volatile organic compounds (VOCs) i.e. benzene and benzo(a)pyrene (BaP) will also be carried out. AAQM carried out through NABL Lab & report enclosed as Annexure -II .

S. No	Conditions	Status
(vi)	Properly designed and appropriate air pollution control equipment shall be attached to flue gas stacks of PVC plant, VCM plant and Ethylene Glycol Unit and flare stacks as mentioned in the environment management plan. Emission control measures shall be taken to ensure air emission standards and norms as prescribed by CPCB and SPCB are strictly followed.	Noted and shall be complied with. Remark: Presently, Coal to PVC project various process units under development of basic & detail design and engineering stage. Necessary APC equipment will be installed to flue gas stacks of PVC plant, VCM plant and Ethylene Glycol Unit and flare stacks as mentioned in the environment management plan for ensuring the emission level within the stipulated norms.
(vii)	The company/PP shall ensure that there will be no impact on mangroves plantation present in study area due to the construction and operation phase of the project activities.	Noted and shall be complied with. Remark: The project is under detailed design stage. However, It will be ensure that there will be no impact on mangroves plantation present in study area due to the construction and operation phase of the project activities.
(viii)	Conservation plan as submitted and approved by Chief Wildlife Warden, Gandhinagar vide letter no. WLP/32/C/297-298/2022-2023 dated 18/06/2022 shall be followed and budget earmarked shall be invested within the given time frame.	Noted and shall be complied with. Remark: The project is under detailed design stage. Consultation process with the Forest Department, Kachchh, Bhuj, is also initiated for implementation of wildlife conservation plan. Activities as proposed in the wildlife conservation plan have been initiated. Earmarked budget investment shall be aligned with project progress. Detail of the activities performed as part of "Wildlife Conservation Plan" is attached as Annexure-I .
(ix)	10% of total power requirement with respect to PVC, VCM, & Ethylene glycol process in overall PVC project will be met by purchasing renewable energy through DISCOM from suitable renewable energy generator or alternate sources.	Noted and shall be complied with. Remark: The project is under detailed design stage. However, requisite arrangement shall be executed by purchasing renewable energy through DISCOM from suitable renewable energy generator or alternate sources.

S. No	Conditions	Status
(x)	<p>There will be no groundwater extraction for this project. The total water requirement for PVC, VCM, Ethylene Glycol process will be 29,040 m³/day and for other common utilities will be 65,948 m³/day and will be met from APSEZL Seawater Desalination plant. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. Also, company shall explore possibility of optimizing and reducing the water consumption during detailed engineering and operational stage to reduce the OPEX for De-saline water.</p>	<p>There will be no groundwater extraction for this project. Remark: The total water requirement will be fulfilled through 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 feasibilities. Also, water conservation initiatives will further be explored during operational stage to reduce the OPEX for De-saline water.</p>
(xi)	<p>Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MOEF&CC. Outcome from the report to be implemented for conservation scheme. Performance assessment of pollution control systems/ devices shall be done annually.</p>	<p>Noted and shall be complied with. Remark: Comprehensive water audit will be conducted on annual basis during the plant operation phase and report for the same will be furnished to Regional Office, MoEF&CC. Further, outcomes of the water audit will be implemented for conservation scheme and also performance assessment of pollution control systems/ devices will be done annually during operation phase.</p>
(xii)	<p>Industrial waste water shall be treated in ETP followed by RO and MEE. Treated water shall be reused back as cooling tower make up water and boiler feed water. Domestic sewage shall be treated in STP, and treated water shall be reused in gardening. No any untreated water shall be disposed of outside the plant area to avoid impact on surface water quality and Zero effluent Discharge concept shall be followed. Online flow meters shall be installed at inlet and outlet of the ETPs. Use of PPE's shall be mandatory while handling the chemicals in ETP to avoid spillage</p>	<p>Noted and shall be complied with. Remark: This project is based on "Zero Liquid (Effluent) Discharge" Concept and there will be no untreated water discharge at outside the plant premises. Further, adequate capacity of ETP followed by RO- MEE. Treated water will be reuse for cooling tower make up water and/or for other suitable activities inside the plant premises. Moreover, required online flow meters will be installed to measure the ETPs flow and adequate measures will be ensured while handling the chemicals and to avoid spillages. In addition to this, STP has been set up for necessary treatment of domestic wastewater during site preparation phase.</p>

S. No	Conditions	Status
(xiii)	Company shall provide extended aeration system in the ETP scheme for removal of total Ammonical nitrogen. The existing ammonia tower in ETP scheme shall be used only for removal of free ammonia from incoming effluent.	Noted and shall be complied with. Remark: requisite arrangement will be done in the ETP to control the Ammonical Nitrogen as well as free Ammonia in the effluent.
(xiv)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond. Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises	Noted and shall be complied with. Remark: Project is under detailed desining stage. However, separate storm water drainage system will be provided to ensure the no mixing of wastewater with storm water. Adequate guard pond shall be provided for initial storm passing during rains. Further, Oil catchers / Oil traps will be provided at all possible locations in rain/ storm water drainage system inside the factory premises.
(xv)	For safety and control of risk of any leakage from Anhydrous HCl pipeline, the pipeline shall be built using a seamless pipe with no flanges in between. Periodic Leak check with ammonia torch shall be carried out to detect the leak point along the pipeline. Toxic Leak detectors shall be installed and regularly tested at appropriate detection levels as per industry norms. Regular pipeline thickness measurements and maintenance shall be ensured. Continuous monitoring of pressure of HCl pipeline with high priority alarms, Pressure drop detection shall be monitored for promptly addressing of any leak. SCADA system shall be installed for the pipelines and interlocking shall be done. Chlorine storage tank shall be provided with safety measures such as level indicators with alarm, chlorine gas detector, chlorine sensors and emergency blower suction hoods with storage tank, rupture disc and remotely operated auto valves.	Noted and shall be complied with. Remark: mandatory sensors / leak detectors shall be installed as per stipulated norms for safety and control of risk of leakages from anhydrous HCl Pipeline. Further, Continuous monitoring of pressure of HCl pipeline with high priority alarms, Pressure drop detection shall be installed and monitored for promptly addressing of any leak. SCADA system shall be installed for the pipelines and interlocking shall be done. Moreover, Chlorine storage tank will be provided with adequate safety measures including level indicators with alarm, chlorine gas detector, chlorine sensors and emergency blower suction hoods with storage tank, rupture disc and remotely operated auto valves.
(xvi)	The total ash generated from the coal fired boilers shall be utilized in proposed inhouse cement manufacturing unit.	Noted and shall be complied with. Remark: Project is under detailed designing stage. Total ash generated from the coal fired boilers will be utilized in proposed inhouse cement manufacturing unit during operation phase.

S. No	Conditions	Status
(xvii)	Public Hearing issues raised by the local people shall be addressed as per the budget and timeline submitted.	Public Hearing issues raised by the local people have been addressed as per the budget aligned with the project progress and time line. CER activities have been initiated and status of the same is enclosed as Annexure - III .
(xviii)	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.	Noted and shall be complied with. Remark: 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.
(xix)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.	Noted and shall be complied with. Remark: Project is under detailed desining stage. Safe storage practices will be adopted to store the Hazardous chemicals. Further, considering risk management, flame arresters shall be provided on tank farm, and solvent transfer will be done through adequate equipment's/pumps.
(xx)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted and shall be complied with. Remark: Project is under detailed desining stage. Disposal of hazardous waste /organic residue and spent carbon etc. will be done through co-processing in cement industries after obtaining necessary authorization. Further, evaporation salt will be disposed off to the TSDF during operation phase.
(xxi)	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio – remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system	Noted and shall be complied with. Remark: adequate arrangement shall be provided for collection, oil recovery and storage of oily sludge.

S. No	Conditions	Status
(xxii)	<p>The company 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 etc. to reduce wastewater generation. 	<p>Noted and shall be complied with the requirements. Remarks- Best available practices including suggested measures will be adopted for waste minimization.</p>
(xxiii)	<p>The green belt of 5-10 m width shall be developed in atleast 33% of the total project area of Pocket 1, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Total 33% of the greenbelt shall be design so that thickness of the greenbelt is increased on downwind side of the project in comparison to other sides. Additionally, 20-meter wide shall be developed in the plant side adjacent to the Mangrove Forest.</p>	<p>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.</p>
(xxiv)	<p>As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed.</p>	<p>Noted and being complied with the requirements. 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.</p>

S. No	Conditions	Status
		<p>4.4 Cr aligned with CAPEX incurred till date.</p> <p>The detailed CER activities with expenditures are summarized in Annexure-III.</p>
(xxv)	<p>The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall set up a skill development center/provide skill development training to village people</p>	<p>Noted and shall be complied with the requirements.</p> <p>Remark: priority will be given to local people on skill basis as per the applicable law for employment. Necessary arrangements will be done for set up of skill development center to impart necessary trainings to village people as part of Corporate Environmental Responsibility.</p>
(xxvi)	<p>A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Managing Director/CEO as per company hierarchy</p>	<p>A separate Environmental Management Cell having qualified persons with specialization in Environmental Science / Engineering has been developed in which EMC head is directly reporting to Head of Organization/ CEO as per company hierarchy. Further, full-fledged environment laboratory will be developed at site to carryout environmental monitoring activities during during operational phase.</p>
(xxvii)	<p>The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.</p>	<p>Noted and shall be complied with the requirements.</p> <p>Remark: adequate Firefighting system / arrangement for protection of possible fire hazards during manufacturing process in material handling will be done as per the norms.</p>
(xxviii)	<p>Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet</p>	<p>Noted and shall be complied with the requirements.</p> <p>Remark: Continuous online (24x7) monitoring 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</p>

S. No	Conditions	Status
		Discharge" Concept, real time monitoring system will be installed at the ETP outlet as per CPCB Guideline.
(xxix)	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Noted and shall be complied with the requirements. Remark: mandatory Occupational Health Center will be set up for surveillance of the worker's health within plant premises. Further, it will be ensured that workmen are equipped with all necessary PPEs for Personal protection during construction as well as operation phase.
(xxx)	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	Noted and being complied with the requirements. Remarks: Awareness programme on "Ban on Single use plastic" among the people working within the project area as well as its surrounding villages are being organized in a regular interval. A Summery report along with photographs is enclosed as Annexure - IV .
B	General Conditions	
(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.	Noted and agreed with requirements.
(ii)	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 the requirements. Remark: best available practices will be adopted for energy conservation and environment betterment.
(iii)	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,	Noted and shall be complied with the requirements. Remark: Adequate noise control measures including acoustic hoods,

S. No	Conditions	Status
	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).	silencers, enclosures etc. as applicable will be provided on all sources of noise generation for maintaining the ambient noise levels within the prescribed 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.
(iv)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<p>Noted and shall being complied with the requirements.</p> <p>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.</p> <p>In order to know the present social status and needs of the local community, a "Baseline & Need Assessment Study" is also carried out 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>

S. No	Conditions	Status
(v)	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 shall be complied with the requirements. adequate EMP/environment management / pollution control measures funds toward CAPEX & OPEX have been kept to implement and / OR complying the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the state Government.
(vi)	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.	Environmental Clearance letter has 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. Letters no. are as under and reference Ack. copy of submission is enclosed as Annexure - V . 1). AEL/MPL/ENV/EC/2022-September/01 Dated 02/09/2022. 2). AEL/MPL/ENV/EC/2022-September/03 Dated 02/09/2022. 3). AEL/MPL/ENV/EC/2022-September/06/01 to 15 Dated 02/09/2022.
(vii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e- mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	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 .
(viii)	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	Project is under detailed design 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

S. No	Conditions	Status
	of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Website i.e https://www.adanienterprises.com .
(ix)	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.	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). 1. Kutch Mitra (Gujarati Language) 2. Gujarat Samachar (Gujarati Language) 3. The Times of India (English Language). Copies of the same are enclosed as Annexure - VI . 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/05 dated 06/09/2022. Copy enclosed as Annexure - VII .
(x)	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 shall be complied with the requirements. Remarks: Presently, the Coal to PVC project is under stage of detailed engineering & design and initial construction activities have been started at the project site & 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.
(xi)	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.	Agreed with requirement.

Annexures

Annexure No.	Name
I	Activities as per approved Wild Life Conservation Plan.
II	Analysis Report for AAQM.
III	CER Activities
IV	Awareness Program on "Ban on Single use Plastic"
V	Submission of EC to District Collector
VI	Copy of News Papers
VII	Letter to IRO, MoEF&CC Gandhinagar

Annexure – I 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 II



White House
Near G.I.D.C. Office, Char Rasta,
Vapi - 396 195. Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

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

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Regd. Office : 215, Royal Arcade, Near G.I.D.C., Office, Char Rasta, Vapi-396 195. Gujarat.

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
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Page No.: 1 of 1

Authorized By:



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

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**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
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Page No.: 1 of 1

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**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

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

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**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

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**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 – 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 Agnitra 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, meson, 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 RRWS :- 145
 RRWS 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

Annexure – IV

Awareness Program on “Ban on Single Use Plastic”

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.



એક વખત વપરાશ માં
લેવાતા પ્લાસ્ટિક પર
પ્રતિબંધ



AWARENESS PROGRAMME -
BAN ON SINGLE USE PLASTIC

adani

Ref: AEL/MPL/ENV/EC/2022 -September/01

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 "**VCM-2002 KTPA, PVC-2000 KTPA, Ethylene Glycol- 400 KTPA near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat** by M/s Adani Enterprises Ltd.

Reference: EC Identification No. - EC22A020GJ133762, 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 our project "**Industry-II activity i.e. VCM-2002 KTPA, PVC-2000 KTPA, Ethylene Glycol- 400 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." vide EC Identification No. - EC22A020GJ133762, File No. - IA-J-11011/149/2021-IA-II(I) dated 31/08/2022.

As required under general condition No. **B - (vi)** 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
7/9



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. હાઈવે, 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 - ૨ એકટીવીટી જેવીકે વી.સી.એમ - ૨૦૦૨ કે.ટી.પી.એ., પી.વી.સી. - ૨૦૦૦ કે.ટી.પી.એ., ઇથીલીન ગ્લાયકોલ - ૪૦૦ 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., 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 કેલ્શિયમ કાર્બાઇડ - ૨૯૦૦ 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. - EC22A020GJ133762, 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 કલીયરન્સ ની કોપી કંપનનીની વેબસાઇટ <https://www.adanienterprises.com/-/media/e1f0a2365908404bbf62e8c4d4b83969.ashx> પર પણ જોઈ શકાશે.

sd-

પ્રોદ્યુત માણુ (પ્રોજેક્ટ. ડેડ)

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ



પત્ર નહીં મિત્ર

કચ્છમિત્ર

ભુજ - સોમવાર, તા.૦૫-૦૯-૨૦૨૨

કચ્છ

૫

અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ

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

ખહેર નોટિસ

મેં. અદાણી એન્ટરપ્રાઇઝીસ લિમિટેડ, APSEZ ઔદ્યોગિક જમીન, વાંટ ઇ ટૂંડા ગામ નજીક, તા: મુન્દ્રા, જી: કચ્છ, ગુજરાત ખાતે પ્રસ્તાવિત "ઇન્ડસ્ટ્રી - ૨ એક્ટીવીટી જેવીકે વી.સી.એમ - ૨૦૦૨ કે.ટી.પી.એ., પી.વી.સી. - ૨૦૦૦ કે.ટી.પી.એ., ઇથીલીન ગ્લાયકોલ - ૪૦૦ 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, વાંટ ઇ ટૂંડા ગામ નજીક, તા: મુન્દ્રા, જી: કચ્છ, ગુજરાત, જેમાં ઇન્ડસ્ટ્રી - ૧ પ્રોજેક્ટ - સેમી કોડ - 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 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. - EC22A020GJ133762, 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 ક્લીયરન્સ ની કોપી કંપનનીની વેબસાઇટ <https://www.adanienterprises.com/-/media/e1f0a2365908404bbf62e8c4d4b83969.ashx> પર પણ જોઈ શકાશે.

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 Village Vandh & Tunda, Taluka Mundra, District - Kachchh, Gujarat has been accorded Environmental Clearance (EC) for project "**Industry - II activity i.e. VCM - 2002 KTPA, PVC - 2000 KTPA, Ethylene Glycol - 400 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. - EC22A020GJ133762, 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/e1f0a2365908404bbf62e8c4d4b83969.ashx>

sd-

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

O/C

Annexure-VII



Ref: AEL/MPL/ENV/EC/2022 – September/05

Date: 06/09/2022

To,

Shri Shrawan Kumar Verma, IFS (Addl. Charge)
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

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 (EC) for proposed Project "VCM-2002 KTPA, PVC-2000 KTPA, Ethylene Glycol- 400 KTPA near village Vandh & Tunda, Taluka Mundra, District Kachchh, Gujarat by M/s Adani Enterprises Ltd.

Reference: EC Identification No. - EC22A020GJ133762, File No. - IA-J-11011/149/2021-IA II(I) dated 31/08/202

Respected Sir,

With reference to above subject, this is to inform that Ministry of Environment Forest and Climate Change has granted Environment Clearance for our project "Industry-II activity i.e. VCM-2002 KTPA, PVC-2000 KTPA, Ethylene Glycol- 400 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." vide EC Identification No. - EC22A020GJ133762, 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(ix), 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/e1f0a2365908404bbf62e8c4d4b83969.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
info@adani.com
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,
Gandhidham – Kuchchh, 370 201

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