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

To, **PCB ID:86184**
The Unit Head, (Kutch District)
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10A,
Gandhinagar – 382 010
E-mail : uh-gpcb-kute@gujarat.gov.in

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

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

Respected Sir,

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

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

We hope you will find the above in order.

Thanking you,

Vinay Kumar Singh
CSO & BU Environment Head

Encl: As Above

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

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

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

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FORM – V
(See Rule 14)

From:
M/s Mundra Petrochem Limited,
Survey no.180/Part (Unsurveyed Land),
Mundra Forest (Diverted for SEZ),
Vill: Tunda, Ta: Mundra, Dist: Kutch 370 421

To,
Gujarat Pollution Control Board,
Sector 10 – A,
Gandhinagar 382 043
Environmental Statement for the financial year ending the 31st March 2026.

PART – A

i	Name and address of the owner / occupier of the industry operation or process	Mr. Rajesh Jagannathan (Factory Manager), Adani Corporate House, Shantigram, Near Vaishnodevi Circle, S.G.Highway, Ahmedabad – 382 421
ii	Industry Category – Primary – STC Code Secondary – STC Code	Red (Large Scale)
iii	Production Capacity Units	As per Annexure – I
iv	Year of establishment	Under Construction Stage - The PVC project is nearing completion of detailed engineering and procurement, with construction underway on site.
v	Date of the last Environmental Statement Submitted	12/05/2025

PART – B

Water and Raw material Consumption

i	Water Consumption M^3/day		513.41 M^3/day
	Process (Construction Activities)		501. 91 M^3/day
	Cooling		0
	Domestic		11.50 M^3/day
	Name of Product	Process water consumption per unit of product output*	
		During the previous financial year (2024–25)	During the current financial year (2025–26)
	As per Annexure – I	NIL	NIL
ii	Raw Material Consumption*		
			Consumption of raw material per unit of output

	Name of raw materials	Name of products	During the previous financial year (2024–25).	During the current financial year (2025–26).
	NIL	NIL	NIL	NIL

* Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Thus, water consumption is mainly for domestic & construction activities.

PART – C

Pollution Discharged to environment / unit of output (Parameter as specified in the consent issued)

Pollutant	Quantity of Pollutants discharged (Mass / day)	Concentration of pollutants in discharges (Mass/Volume)	Percentage of variation from prescribed standards with reasons
(a) Water	NIL*	NIL*	NIL*
(b) Air	NIL*	NIL*	NIL*

* Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. However, necessary environment management measures being taken during construction activities are mentioned as **annexure – II**.

Part – D

Hazardous Wastes

[As specified under the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016]

Hazardous Wastes	Total Quantity (MT)	
	During the Previous Financial Year (2024–25)	During the Current Financial Year (2025–26)
(a) From Process	NIL	23.583*
(b) From pollution control facilities.	NIL	NIL

* Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Thus, Hazardous waste generation is mainly from construction activities.

Part – E

Solid waste

	Total Quantity (MT)*	
	During the Previous Financial Year (2024 – 25)	During the Current Financial Year (2025 – 26)
(a) From Process	825.6	90909.107
(b) From pollution control facilities.	NIL	1.196
(c) 1 – Quantity recycled OR re-utilized within the unit.	825.6	88720.296
2 – Sold	NIL	2190.00
3 – Disposed	NIL	NIL

* Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Thus, Solid waste generation is mainly from construction activities.

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Part – F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of wastes.

Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. The anticipated waste generation during operations and the disposal practices adopted for Hazardous & Other Solid waste are detailed below:

Hazardous Waste:
M/s Mundra Petrochem Limited has taken membership of Common TSDF site operated by M/s Saurashtra Enviro Projects Private Limited, Kutch for safe disposal of following hazardous waste during construction and/or operation phase.

Name of Hazardous Waste	Category and schedule as per HWMR,2016 & amended	Authorized total generation Quantity (MT / year)	Generated Quantity for the year 2025 – 26 (MT / Year)	Mode of Disposal
Used OR Spent Oil	5.1 (Schedule–I)	300	1.139	Collection, storage and transported to Authorized recycler i.e M/s Jawrawala Petroleum. Ahmedabad.
Spent Catalyst and Molecular Sieves	22.1 (Schedule–I)	1565	Nil	Co-processing with cement plant or incineration and / or landfill disposal through common hazardous waste treatment, storage and disposal facilities (TSDF).
Process residues – Heavy ends.	22.2 (Schedule–I)	8008	Nil	Collection, Storage, Transportation, Disposal by selling to registered recycler OR treated at inhouse VCM Incinerator.
Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1 (Schedule–I)	50	22.444	Collection, Storage and transported to authorized recycler i.e M/s K. Nisha Trading Company. Ahmedabad
Spent ion exchange resin containing toxic metals	35.2 (Schedule–I)	50	Nil	Co-Processing with cement plant OR Incineration and / OR landfill disposal through common hazardous

Name of Hazardous Waste	Category and schedule as per HWMR,2016 & amended	Authorized total generation Quantity (MT / year)	Generated Quantity for the year 2025 – 26 (MT / Year)	Mode of Disposal
				waste treatment, storage and disposal facilities (TSDF).
Chemical Sludge from Wastewater treatment	35.3 (Schedule–I)	138601	Nil	Collection, Storage, Transportation, Disposal at authorized TSDF site OR Co-processing with Cement Plant.

Solid Waste:

Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Moreover, the following practices are being adopted during construction phase of the project.

Type of Solid waste	Composition of Waste	Quantity (MT/Annum)	Generation Quantity for the year 2025-2026 (MT/Annum)	Mode of Treatment / Disposal
Biomedical Waste	Waste generated from Hospital activities.	1.200	0.007155	Bio medical waste have been collected, transported and disposed off by authorized agency M/s Distromed Kutchh Service Pvt. Ltd.
Municipal Solid waste & Iron Scarp	Canteen waste, scraped office stuff	~1270	2193.1	The composting of organic waste and its subsequent use as manure, sale of segregated recyclable waste to recyclers or disposal at authorized landfill sites.
Construction and Demolition waste	Sand, cement, aggregates etc.	As & when generated	88,716	Used for leveling of low laying area and low-grade construction activities within the project site.
Sewage Treatment Plant Sludge	Biological Sludges	602	1.196	Used as manure for gardening.
Brine Sludge	Brine Sludge	17030	Nil	Disposal to authorized TSDF / Sanitary Landfill site / Sale to authorized brick manufacturers.

Type of Solid waste	Composition of Waste	Quantity (MT/Annum)	Generation Quantity for the year 2025-2026 (MT/Annum)	Mode of Treatment / Disposal
Carbon from coke drying tail gas dust removal system	Coke / Carbon fine particles	120000	Nil	To be Used in in-house cement plant as fuel along with coal OR Sent to TSDF if found hazardous after characterization.
Residues from Lime kiln cinder and shaker gravel	Limestone, Lime and dust	108000	Nil	To be Used in in-house Cement plant / offsite cement plant as fuel along with coal OR sent to TSDF if found hazardous after characterization.
Residues from furnace gas purifies dust of dust collector	Carbon Fines	215000	Nil	To be Use in in-house Cement plant / offsite cement plant as fuel along with coal OR Sent to TSDF if found hazardous after characterization.
Calcium Carbide furnace slag	SiO2, MgO etc.	400	Nil	To be Used in in-house cement plant / offsite cement plant as fuel along with coal OR sent to TSDF if found Hazardous after characterization.
Coke fine from sieve and dust collector	Coke	100000	Nil	To be Used in in-house cement plant / offsite cement plant as fuel along with Coal OR sent to TSDF if found hazardous after characterization.
Lime fines from sieve and dust collector	Lime	120000	Nil	To be Used in in-house cement plant / offsite cement plant as fuel along with coal OR sent to TSDF if found hazardous after characterization.
Used lead acid batteries	Acid and other chemicals	As & when generated	Nil	100 % buy - back policy implemented at site for collection and disposal of such type of waste.
Electronic waste	Damaged / obsolescence Electronic items	As & when generated	Nil	To be sent to authorized recycler.

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Part – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Necessary environment management measures are being implemented during construction.

Aspect	Mitigation Measures
Air	• Only PUC certified vehicles are being deployed / used. • Use of dust covers / tarpaulins for loose construction material during transportation. • Sprinkling of water through tankers has been carried out to stabilized dust prone areas. • Preventive maintenance of transport, heavy equipment and construction equipment are being carried out at site. • Use of low Sulphur fuel i.e diesel. • Use of personal protective equipment's (PPEs) / mask at high dust generation areas. • Defensive driving / awareness training have been provided to drivers on regular interval. • Batching units are being operated within plant premises to reduce the transportation of constriction materials. • Internal roads have been paved so that minimum generation of air born through transportation. • Regular monitoring of ambient air quality at construction sites as well in surrounding villages. • Periodic checking of vehicles and construction machinery to ensure compliance with emission standards.
Noise	• Regular preventive maintenance of vehicles and equipment for construction have been carried out. • workers are wearing earmuffs / ear plugs at high noise area. • Noise protecting structure / cabins are always in attached at noise generating machinery & earth moving equipment to protect from the high noise. • Defensive driving / awareness training have been provided to drivers on regular interval. • Provision of sign board & temporary barricading system around the construction activities to prevent high noise. • Using of well – maintained equipment for construction, transportation activities. • All D.G. sets have acoustic enclosures / noise mufflers as per the norms. • Monitoring of ambient noise quality has been carried out at construction sites as well in surrounding villages.
Water	• Only desalinated sea water supplied by APSEZL is being used for PVC project.

Aspect	Mitigation Measures
	• No abstraction and/or use of ground water during construction and/or operation phase for PVC project. • No adverse impacts on surface water, ground water or soil as there is no discharge of contaminated water into nearby water body and/or land area. • Proper sheds have been provided for storage of hazardous materials, so that no any water contamination take place. • STPs with adequate capacity have been installed and treated water is being reused for development of greenbelt and water sprinkling. i.e reducing the overall freshwater demand.
Soil	• Project site is already identified as industrial area of APSEZ, • Necessary measures, i.e. strengthening slopes are provided to control soil erosion. • Internal roads have been paved to control the material spillages so that no contamination take place. • Adequate storage facilities along with safe handling practices have been provided to stored and handled hazardous and non – hazardous materials, so that, soil contamination to be prevented. • Waste construction material like bricks, cement etc. have been reused as filling material within plant premises. • Non-hazardous recyclable wastes (wooden, plastic, metal scrap etc.) have been segregated and sent for reuse & remaining materials have been sell to scrap vendors for further recycling. • The Solid waste generated i.e Bio sludge from STP is being utilized as manure in greenbelt

Part – H

Additional measures / investment proposal for environmental protection including abatement of pollution / prevention of pollution.

Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Moreover, the following measures / activities have been carried out for the betterment of the environment.

- Fruit bearing & Bird friendly native tree species have been planted (i.e till date, more than 2.40 lakhs of trees) at nearby villages as part of social forestry initiative. This plantation includes trees like ficus benghalensis (Vad), ficus religiosa (Pipal), mangos, dates, etc. which are fostering the ecosystem of surrounding area.
- Providing rooftop rainwater harvesting structures, construction along with cleaning of percolation wells, support through drip irrigation system for users in line with company's water stewardship plan and promoting UN' Sustainable Development Goal (SDG) no.6 i.e "Clean water and sanitation" and SDG no.13 "Climate action".
- Conducted Awareness program at nearby villages for "Ban on Single Use plastic" and "Wildlife conservation and it's benefit".
- Biodiversity Conservation, Go Green Initiatives and water stewardship for fostering the sustainable environment through preserving species diversity, restoring water, promoting sustainable use of resources, safeguarding essential ecological processes, Expanding green cover and minimization of plastic pollution.

Part – I

Any other particulars for improving the quality of the environment.

Presently, the PVC project is nearing completion of detailed engineering and procurement, with construction underway on site. Moreover, the following measures / activities have been initiated for the betterment of environment.

- Elaborating the scope for use of renewable energy for the PVC project.
- Rooftop Solar Systems to nearby villagers in line with company's Environmental policy and UN's SDG no. 7 i.e "Affordable and Clean Energy" to promote the usage of renewable, green and clean energy sources by Adani Foundation.
- To mitigate environmental degradation by advancing sustainable interventions, including water conservation, terrestrial and coastal plantation programs, and Go Green initiatives, in nearby villages and/or the surrounding community.
- Cleaning of rivers, deepening and repairing of check dams, rivers etc. at nearby villages resulting in improving water level as well as water quality at nearby area.
- Mundra Petrochem Limited (MPL) has also organized "Agri Fare" and more than 2000 farmers across the Kutch district had participated and made aware about latest best available techniques, equipment, systematic and scientific way for effective Natural farming practices, etc.

Signature:
Name: Mr. Vinay Kumar Singh
Designation: CSO & BU Environment Head

Address: M/s Mundra Petrochem Limited,
"Adani Corporate House",
Shantigram, Near Vaishno Devi Circle,
S. G. Highway, Khodiyar
Ahmedabad – 382 421
Gujarat, India

Annexure – I

List of Product

Plant	Product Details	Capacity
Industry Project – 1		
Semi-Coke Plant	Coke	2030 KTPA
	Tar	370 KTPA
	Crude Benzene	26 KTPA
	Ammonium Sulphate	18 KTPA
	Sulphur	5 KTPA
	Coking Gas	1360 MNm^3/A
Cement Plant	Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement, Portland Composite Cement	6000 KTPA
	Clinker	4000 KTPA
Calcium Carbide	Calcium Carbide	2900 KTPA
	Lime fines and lime residues	2870 KTPA
Industry Project – 2		
PVC Plant	Polyvinyl Chloride (PVC Grades: Suspension, Mass Emulsions, Chlorinated PVC etc.)	2000 KTPA
VCM Plant	Vinyl Chloride Monomer	2002 KTPA
Ethylene Glycol Plant	Ethylene Glycol (EG) (Superior Grade EG, Qualified Grade EG, MEG, DEG, TEG)	400 KTPA
	Dimethyl Carbonate	13 KTPA
	Crude Ethanol	10 KTPA
	Alkanol	7 KTPA
Industry Project – 3		
Caustic Soda Plant (Chlor-Alkali Process)	Caustic Soda	1310 KTPA
	Caustic Soda (50% wt)	810 KTPA
	Hydrochloric Acid	1232 KTPA
	Sodium Hypochlorite	16 KTPA
	Caustic Potash	130 KTPA
	Potassium Carbonate	33 KTPA
	Sodium bi-carbonate	66 KTPA
	Caustic Soda flakes	600 KTPA
	Liquid Chlorine	60 KTPA
	Sodium Sulphate	75 KTPA
Acetylene Plant	Acetylene	860 KTPA
	Carbide Lime Sludge	5700 KTPA

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Annexure – II.

Environmental Management & Monitoring Plan During Construction Phase.

Mundra Petrochem Limited has prepared and implemented an Environmental Management Plan for construction phase vide internal documentation no. MG000-HSE-000-BD-7002 Dated 21.03.2024 with incorporating the Air Pollution Controlling Measures during construction activities. Presently, the PVC project is under simultaneous procurement cum construction stage. The following APC measures have been taken for the activities during construction phase.

Sr. No.	Affected Environmental component	Likely Impacts in absence of mitigation measures	Mitigation measures have been taken	Remark
1	Air Quality	• Traffic congestion. • Increase in ambient air pollution (Increase in levels of NOx, SPM, Dust Hazards. Etc.) • Risk Accidents.	• On site use of concreate batching plant. • Only PUC certified vehicles are allowed to enter the premises. • Water sprinkling have been carried out to stabilize the dust prone areas. • Preventive maintenance of transport, heavy equipment and construction equipment have been carried out on regular intervals. • Low Sulphur fuel i.e Diesel are being used. • PPEs / masks have been used at high dust generating area. • AAQM have been carried out at construction site as well as at surrounding villages. • DG sets having complied with GPCB/CPCB norms are in used.	• Impacts are temporary and short distances, as coarse particles are settling within the short distance from the activities during the construction phase. • Water sprinkling details have been recorded. • Monthly Monitoring has been carried out through a recognized laboratory. • Record for the DG sets with complying GPCB/CPCB norms have been maintained with respective units / user.
2	Road Traffic due to vehicle movement for transportation of manpower, materials and equipment.	• Vehicular exhaust and dust emissions on the road. • Noise generation • Risk involved in transportation activity such as accidents damage to properties etc.	• Only PUC certified vehicles are allowed to enter the premises. • The speed of vehicles has been restricted to certain speed limits to control the spillage, emissions OR air born generation. • Idling trucks and dumper on the roads are not allowed. • Construction materials are brought in batches	• Entry and exit of vehicles' registration / records have been maintained. • Vehicle movement security systems have been in service so that Photographs / video of each vehicle have been

Sr. No.	Affected Environmental component	Likely Impacts in absence of mitigation measures	Mitigation measures have been taken	Remark
			with covered with tarpaulin sheets. • Defensive driving / awareness training has been provided to drivers on regular interval.	recorded during entry of vehicles.

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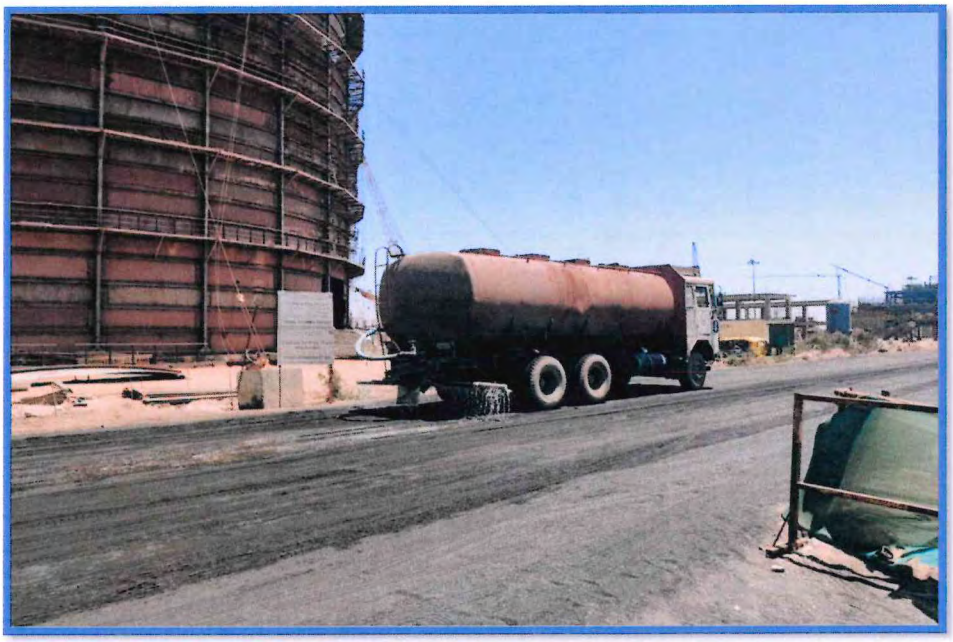
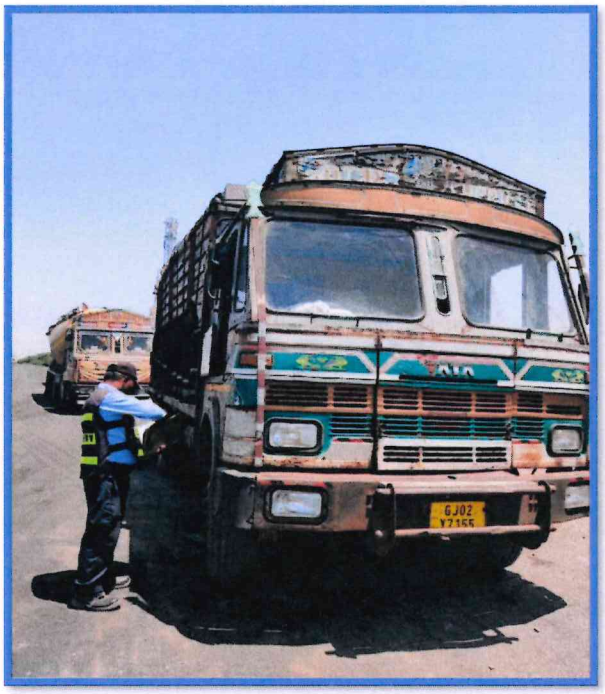
Photographs (Environment):



Water Sprinkling on Internal Roads

Material Covered with Sheet during transportation

Tree plantation Activities at Project Site and near by villages – community area



Form 59

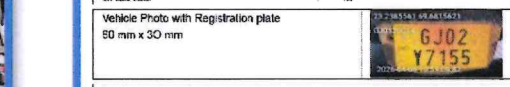
[See rules 115 (2)]

Pollution Under Control Certificate
Authorised By :
Gujarat Motor Vehicle Department

Date	:	06/04/2026
Time	:	10:59:38 AM
Validity upto	:	05/10/2026

Certificate Sl. No.	:	GJ0120014150633
Registration No.	:	GJ02Y7155
Date of Registration	:	01/Feb/2006
Month & Year of Manufacturing	:	January-2026
Valid Mobile Number	:	******336
Emission Norms	:	BHARAT STAGE II
Fuel	:	DIESEL
PUC Code	:	G10120014
CSI No	:	
Fees	:	Rs.150.00
MII Observation	:	No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High Idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.26

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to https://puc.parivahan.gov.in

Authorised Signature with stamp of PUC Operator
60mm x 20 mm

SHREE AVAD PUC

Checking Vehicle's documents like PUC, etc. at Entry Gate

Batching Units / Facilities have been set up inside the premises to avoid fugitive emission due to long distance transportation.

Awareness on "No to Singe use plastic" at Project site as well as at nearby villages

Training on Defensive Driving

D.G. Sets having adequate stake height and Acoustic system covered on it.