



Ports and
Logistics

AHPPL/GPCB/2019-20/0

Date: 15.07.2019
GPCB ID: 35352

To

The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10A,
Gandhinagar-382 010 (Gujarat)

Dear Sir,

Sub.: Environmental Statement in Form-V for the financial year ending 31st March, 2019 of **M/s. Adani Hazira Port Pvt. Ltd.**

Ref.: Consolidated consent and authorization wide consent order no. AWH-87176 dated 17.07.2017

With reference to the above subject and reference, please find enclosed herewith **Environmental Statement in Form-V** prescribed under Rule, 14 of the Environment (Protection) Rules, 1986 for **M/s. Adani Hazira Port Pvt. Ltd., At & PO: Hazira, Taluka: Choryashi, District: Surat (Gujarat)** for the financial year ending **31st March'2019**.

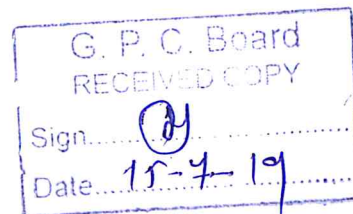
This is for your kind reference and record please.

Thanking You,

Yours faithfully,

For **Adani Hazira Port Pvt. Ltd.,**

(Pranav Choudhary)
Authorised Signatory



Encl.: - Environmental Statement in Form-V for the Financial Year: 2018-19.

Cc to: - The Regional Officer, Gujarat Pollution Control Board, 338, Belgium Square, Opp. Linear Bus Stand, Ring Road, Surat-364 002 (Gujarat)

Adani Hazira Port Pvt Ltd
At & PO Hazira
Choryashi
Surat 394 270
Gujarat, India
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Environment Statement In (Form-V) For The FY: 2018-19 Of
M/s. Adani Hazira Port Pvt. Ltd.

FORM - V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March, 2019

PART - A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Pranav Choudhary, Chief Executive Officer, M/s. Adani Hazira Port Pvt. Ltd., At & Post: Hazira, Taluka: Choryashi, District: Surat (Gujarat)
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	:	Red - Large Not Applicable Not Applicable
(iii)	Production Capacity	:	36.1 MMTPA (Total Cargo Handling Capacity)
(iv)	Year of Establishment	:	2010
(v)	Date of Last Environment Statement Submitted	:	31 st May, 2018

PART - B

Water and Raw Material Consumption

(i) Water Consumption:

Water Consumption Cu. Mtr./Day	
Process	Approx. 1394.071 m ³ /day in Firefighting, Dust Suppression, Sprinkling and Washing Activities etc.
Cooling	
Domestic	Approx. 441.04 m ³ /day in Horticulture & Domestic Purpose

Name of Products	Process Water Consumption Per Unit Of Product Output	
	During the Previous Financial Year	During the Current Financial Year
Handling and Storage of General Dry Cargo, Liquid Cargo and Containers*	Total Water Consumption during the FY: 2017-18 is 591308 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and Domestic purpose etc. Water consumption is 0.0350 M ³ /MT.	Total Water Consumption during the FY: 2018-19 is 669819 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and Domestic purpose etc. Water consumption is 0.0346 M ³ /MT.

* Unit does not carry out any manufacturing process. The water consumed was mainly in Firefighting, Dust Suppression, Water Sprinkling, Washing Activities and Horticulture & Domestic Purpose etc.

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(ii) Raw Material Consumption:

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of output	
		During the previous Financial Year	During the current Financial Year
Not Applicable	Not Applicable	Not Applicable	Not Applicable

* Unit does not carry out any manufacturing process.

PART - C

Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)	Concentrations of pollutants in discharges (Mass/Volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil*		
(b) Air	<ul style="list-style-type: none"> • DG sets are provided as standby power source and used during power failure. • The height of DG stacks as per CPCB/GPCB standards. All the monitored parameters are found within prescribed limits. 		
Particulate Matter (mg/Nm ³)	DG set emission report is enclosed as Annexure-1 .		Nil
Sulphur Dioxide (ppm)			Nil
Nitrogen Oxide (ppm)			Nil

* Unit does not carry out any manufacturing process, as it is service industry (Port) engaged in Handling and Storage of General Dry Cargo, Liquid Cargo and Containers. The source of effluent/ waste water generation is washing activities of liquid tanks, pipelines and floor washing during any spillage and/or leakage of liquid cargo. During the Financial Year: 2018-19 there is no any treated effluent / water discharged to the environment.

There was approx. 60.22 KL/Day Sewage Generation. The sewage was treated in the Sewage Treatment Plants (STP's) and treated water confirming to prescribe standards was reused in gardening and plantation activities.

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PART - D

Hazardous Wastes

(as specified under Hazardous waste (Management and Handling) Rules, 1989

Hazardous Wastes	Total Quantity (Kg. or KL)	
	During the Previous Financial Year	During the Current Financial Year
a) From Process	Quantity of Hazardous Waste generated is given below: Cat.-3.3: Approx. 958 Kg. of Used Oil Filters. Cat.-5.1: Approx. 38980 Kg. of Used/Spent Oil/Bilge. Cat.-5.2: Approx. 54807 Kg. of Oily Contaminated Cotton & Foam Pigs. Cat.-21.1: Approx. 3850 Kg. of Empty Paint Drums/ Tins. Cat.-33.1: Approx. 1390 Kg. of Empty Barrels.	Quantity of Hazardous Waste generated is given below: Cat.-3.3: Approx. 1010 Kg. of Used Oil Filters. Cat.-5.1: Approx. 41890 Kg. of Used/Spent Oil/Bilge. Cat.-5.2: Approx. 63830 Kg. of Oily Contaminated Cotton & Foam Pigs. Cat.-21.1: Approx. 2350 Kg. of Empty Paint Drums/ Tins. Cat.-33.1: Approx. 560 Kg. of Empty Barrels.
b) From Pollution Control facilities	Nil	Nil

PART - E

Solid Waste

Solid Waste	Total Quantity (MT/Annum)	
	During the Previous Financial Year	During the Current Financial Year
(a) From Process (Ash)	Nil	Nil
(b) From Pollution Control facilities	Nil	Nil
(C-1) Quantity recycled or reutilized within the unit	11.01 MT (Kitchen & Food Waste Convert in to Manure in OWC)	3.5 MT (Kitchen & Food Waste Convert in to Manure in OWC)
(C-2) Sold	Nil	
(C-3) Disposed	Approx. 114.815 MT (Garbage, Kitchen & Food Wastes)	Approx. 118.815 MT (Garbage, Kitchen & Food Wastes)

Note: Scrap is collected in designated scrap yard at Central Store and sold to scrap vendor.

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PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

- Total hazardous waste disposed off during the financial year: 2018-19 is approx. 90.849 MT. Out of which approx. 41.20 MT of hazardous waste disposed off at GPCB registered Co-processor at Recycling Solution Pvt. Ltd. (RSPL), Panoli Bharuch and RPCB registered Co-processor Green Gene Enviro Protection and Infrastructure Limited Chhitorgadh, Rajasthan. Approx. 6.379 MT of hazardous waste sent to GPCB registered recycler at J.S Enterprises, Ahmedabad.
- Approx. 53.18 MT Used/Spent Oil/Bilge Water were generated (including opening stock) from various maintenance activities, which were kept in covered hazardous waste storage area. Out of which 43.270 MT Used/Spent Oil/Bilge Water were sold out to GPCB registered recycler/refiner at M/s. Unity Petroleum Co., Ahmedabad.
- Approx. 5.254 MT - Empty Paint Drums/Tins were generated (including opening stock) from various maintenance activities, which were kept in covered hazardous waste storage area. Out of which approx. 4.419 MT - Empty Paint Drums/Tins were sold out to GPCB registered recycler/refiner at M/s. J.S Enterprises, Ahmedabad.
- Approx. 1.591 MT - Empty Barrels were generated (including opening stock) from various maintenance activities, which were kept in covered hazardous waste storage area. Out of which approx. 1.960 MT - Empty Barrels were sold out to GPCB registered recycler/refiner at M/s. J.S Enterprises, Ahmedabad.
- Approx. 78.03 MT of Contaminated Cotton & Foam Pig Wastes were generated (including opening stock) from various maintenance and operation activities, which were kept in covered hazardous waste storage area. Out of which approx. 41.20 MT of Contaminated Cotton & Foam Pig Wastes were disposed off through GPCB registered Co-processor at Recycling Solution Pvt. Ltd. (RSPL), Panoli, Bharuch and RPCB authorized coprocessor Green Gene Enviro Protection & Infrastructure Limited, Chittorgadh Rajasthan.

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PART - G

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

- Unit has installed **Sewage Treatment Plants and Effluent Treatment Plant (ETP)** for treatment of the Sewage water and Effluent being generated at site. The treated water is being reused within port premises.
- Unit has installed **Organic Waste Converter (OWC)** to convert the organic wastes into organic manure i.e.: Kitchen/Food Waste and Horticultural Waste being generated at site. The manure is being reused within port premises.
- M/s. AHPPL has developed mangrove afforestation on an area 200 hectares i.e.: 20 hectares near Village: Kantiyajal, Sea coast area and 180 hectares near Village: Nada-Devla, District: Bharuch (Gujarat).
- M/s. AHPPL has developed a Bio-Shield Pilot Project on an area of 18 hectares at near Village: Tankari Bandar, Taluka: Jambusar, District: Bharuch (Gujarat).
- During the financial year: 2018-19, the total cost incurred on environmental protection measures is enclosed as **Annexure-2**.

PART - H

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

- Unit is doing regular environmental monitoring within the Port and surrounding area through reputed MoEF&CC and NABL accredited laboratory. All the environmental parameters are found well within specified limits and the details of monitored data is regularly submitting to GPCB, CPCB, MoEF&CC and other concerned authorities.
- Unit has installed STP's and ETP for the treatment of the domestic waste water and effluent being generated at site and the treated water is being used for horticulture (plantation & gardening) purpose. Unit has also provided dump pond and conveyance channel for collection of runoff generated from Coal Yard.
- Unit has provided sprinklers at coal yard & conveyer system and carrying out regular water spreading to control the dust exposure. Wind breaking wall is provided around the periphery of Coal Yard.

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- Unit has formed dedicated horticulture department & developing green belt within port premises.
- Unit has started use of mist canon to suppress the fugitive coal dust at coal yard.
- Unit has deployed four road sweeping machines to control the fugitive dust emissions.
- Unit has developed greenbelt area on an area of 69.80 hectare till March, 2019.

PART - I

Any other particulars for improving the quality of environment:

- Environmental awareness programs have been conducted during the year for employees, contractual employees, school children and local community of nearby villages.
- Integrated housekeeping management is undertaken on top priority to maintain neat and clean working environment in the port premises.
- Greenbelt is being developed within the port premises.

Date: 15.07.2019



(Signature of a person carrying out an industry,
operation or process)

Name: **Pranav Choudhary**

Designation: **Chief Executive Officer (CEO)**

Address: **At & Post: Hazira, Taluka: Choryashi,
District: Surat (Gujarat)**

**Environment Statement In (Form-V) For The FY: 2018-19 Of
M/s. Adani Hazira Port Pvt. Ltd.**

ANNEXURE-1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -



4G. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table-1.22: DG Sets Stack Monitoring Results for the period: Oct, 2018 to March, 2019

Sr. No.	Parameters	Unit	DG SET TOYO DENKI - 1		DG SET TOYO DENKI - 2		DG SET TOYO DENKI - 3	
			NOV-18	FEB-19	NOV-18	FEB-19	NOV-18	FEB-19
1	Particulate Matter	mg/Nm ³	16.62	20.4	19.35	18.75	22.37	12.38
2	Sulphur Dioxide	ppm	7.10	6.64	8.85	8.62	5.80	4.3
3	Oxide of Nitrogen	ppm	36.44	30.54	39.53	26.47	32.68	32.37
4	Carbon Monoxide (CO)	mg/m ³	14.47	7.63	9.82	9.82	10.57	10.31
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

Table-1.23: DG Sets Noise Level Monitoring Results for the period: Oct, 2018 to March, 2019

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
	Sampling Date	NOV-18	FEB-19
1.	DG SET TOYO DENKI -1	72.4	71.1
2.	DG SET TOYO DENKI -2	71.8	72.5
3.	DG SET TOYO DENKI -3	70.2	69.8

Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● CHINAS 18001 : 2007 ● ISO 9001 : 2008

**"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.**

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

Environment Statement In (Form-V) For The FY: 2018-19 Of
M/s. Adani Hazira Port Pvt. Ltd.

ANNEXURE - 2

Details of Environment Management Budget For The Financial Year 2017-18: -

Sr No	Activities	Budget (In Lacs)	Expenditure (In Lacs)
1	Salary of Environmental Professionals	15.00	6.50
2	Environmental Study/Audit/Survey/Consultancy Services	21.81	23.8
3	Legal and Statutory Charges	3.0	0.01
4	Environmental Monitoring Services	15.37	14.13
5	Mangrove Afforestation/Plantation and Bio-shielding Pilot Project	12.78	4.83
6	Hazardous Waste Management	12.76	6.76
7	Horticulture Development –Greenery and Plantation	139.65	133.42
8	O&M of Sewage Treatment Plant and Effluent Treatment Plant	41.73	11.54
9	Environment Day Celebration	2.00	2.00
10	Treatment & Disposal of Bio medical Waste	1.07	0.72
11	Miscellaneous Environmental Initiatives	5.50	--
	Others	-	---
A	Construction of Water Pipe line for supply of treated Waste Water from KRIBHCO	-	1120
C	Water Sprinkling for dust Suppression in dry cargo area	-	21
Total		270.69	1344.71
