



AHPPL/GPCB/2018-19/003

Date: 23.05.2018

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, 2018 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'2018.

This is for your kind reference and record please.

Thanking You,

Yours faithfully,

For Adani Hazira Port Pvt. Ltd.,


(Capt. Unmesh Abhyankar)
Authorised Signatory

Encl.: - Environmental Statement in Form-V for the Financial Year: 2017-18.

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
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Environment Statement In (Form-V) For The FY: 2017-18 Of
M/s. Adani Hazira Port Pvt. Ltd.

FORM - V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March, 2018

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, 2017

PART - B

Water and Raw Material Consumption

(i) Water Consumption:

Water Consumption Cu. Mtr./Day	
Process	Approx. 1208.090 m ³ /day in Firefighting, Dust Suppression, Sprinkling and Washing Activities etc.
Cooling	
Domestic	Approx. 411.93 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: 2016-17 is 538940 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and Domestic purpose etc. Water consumption is 0.0352 M ³ /MT.	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.

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- * 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.

(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: 2017-18 there is no any treated effluent / water discharged to the environment.

There was approx. 55.06 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	Cat.-3.3: Approx. 1800 Kg. of Used Oil Filters. Cat.-5.1: Approx. 38087 Kg. of Used/Spent Oil/Bilge. Cat.-5.2: Approx. 55200 Kg. of Oily Contaminated Cotton & Foam Pigs. Cat.-21.1: Approx. 1570 Kg. of Empty Paint Drums/ Tins. Cat.-33.3: Approx. 630 Kg. of Empty Barrels.	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.
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)	
(C-2) Sold	Nil	
(C-3) Disposed	Approx. 114,815 MT (Garbage, Kitchen & Food Wastes)	

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

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: 2017-18 is approx. 79.770 MT. Out of which approx. 27.770 MT of hazardous waste disposed off at CHWI Facility at M/s. Saurashtra Enviro Projects Pvt. Ltd., (SEPPL), Bhachau, Kutch (Gujarat), M/s. Geohybrid Solution Private Limited (GSPL), Palsana, Surat and Recycling Solution Pvt. Ltd. (RSPL), Panoli Bharuch. Approx. 21.1 MT of hazardous waste sent to GPCB registered Co-processor at Recycling Solution Pvt. Ltd. (RSPL), Panoli Bharuch. Approx. 30.9 MT of hazardous waste sent to GPCB registered recycler at Jawrawala Petroleum Co., Ahmedabad.
- Approx. 39.980 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 approx. 28.690 MT - Used/Spent Oil/Bilge Water were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum Co., Ahmedabad.
- Approx. 4.664 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. 1.730 MT - Empty Paint Drums/Tins were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum Co., Ahmedabad.
- Approx. 1.511 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. 0.480 MT - Empty Barrels were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum Co., Ahmedabad.
- Approx. 62.770 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. 27.47 MT of Contaminated Cotton & Foam Pig Wastes were disposed off at GPCB authorized CHWIF/TSDF site of M/s. Saurashtra Enviro Projects Pvt. Ltd., (SEPPL), Bhachau, Kutch (Gujarat) and M/s. Geohybrid Solution Private Limited (GSPL), Palsana, Surat and approx. 21.1 MT of hazardous waste sent to GPCB registered Co-processor at Recycling Solution Pvt. Ltd. (RSPL), Panoli, Bharuch.
- Approx. 1,162 MT of Used Oil Filters were generated (including opening stock) from various maintenance activities, which were kept in covered hazardous waste storage area. Out of which approx. 0.300 MT of Used Oil Filters were disposed of at

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GPCB Authorized CHWIF/TSDf site of M/s. Saurashtra Enviro Projects Pvt. Ltd., (SEPPL), Bhachau, Kutch (Gujarat).

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: 2017-18, 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.

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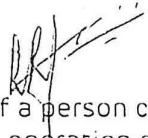
- Unit has provided sprinklers at coal yard & conveyer system and carrying out regular water spreading to control the dust exposure. Wind breaking wall is provided around the periphery of Coal Yard.
- Unit has formed dedicated horticulture department & developing green belt within port premises.
- Unit 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 65.15 hectare till March, 2018.

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: 23.05.2018


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

Name: Capt. Unmesh Abhyankar

Designation: Chief Executive Officer (CEO)

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

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ANNEXURE-1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table No.:1.1 - DG Sets Stack Emission Monitoring Results for the period: Apr,17 - Sep.,17

S. No.	Parameters	Unit	DG SET TOYO DENKI-1		DG SET TOYO DENKI-2		DG SET TOYO DENKI-3	
			MAY-17	AUG-17	MAY-17	AUG-17	MAY-17	AUG-17
1	Particulate Matter	mg/Nm ³	19.81	28.69	15.69	21.83	24.54	23.40
2	Sulphur Dioxide	ppm	8.55	5.7	6.61	8.58	7.52	4.66
3	Oxide of Nitrogen	ppm	35.63	38.57	32.57	30.57	29.79	35.68
4	Carbon Monoxide (CO)	mg/m ³	8.38	9.54	7.43	7.05	8.81	9.04
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

Table No.:1.2 - DG Sets Stack Emission Monitoring Results for the period: Oct., 17 - Mar.,18

S. No.	Parameters	Unit	DG SET TOYO DENKI-1		DG SET TOYO DENKI-2		DG SET TOYO DENKI-3	
			NOV-17	FEB-18	NOV-17	FEB-18	NOV-17	FEB-18
1	Particulate Matter	mg/Nm ³	17.33	13.36	24.79	17.83	15.55	19.83
2	Sulphur Dioxide	ppm	7.57	4.49	4.7	7.5	5.52	3.59
3	Oxide of Nitrogen	ppm	40.17	32.73	35.12	38.82	31.92	35.85
4	Carbon Monoxide (CO)	mg/m ³	7.05	4.91	3.27	7.23	5.15	3.35
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

Table No.:1.2 - DG Sets Noise Level Monitoring Results for the period: Apr, 17 - Mar,18

S. No.	DG Set Average Noise Level In Leq. dB(A)				
	Sampling Location	At 1 M Distance From The Enclosure			
		MAY-17	AUG-17	NOV-17	FEB-18
1.	DG SET TOYO DENKI -1	69.4	71.5	71.6	69.9
2.	DG SET TOYO DENKI -2	67.2	70.1	72.8	70.1
3.	DG SET TOYO DENKI -3	68.1	72.4	70.8	68.5

Note: DG sets are provided as standby power source and used during power failure.

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ANNEXURE - 2

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

Details Of Budget For The FY: 2017-18			
S. No.	Activities	Budget Amount (In Lacs)	Expenditure (In Lacs)
1	Salary of Environmental Professionals	15.20	13.01
2	Environmental Study / Audit and Consultancy Services	15.00	1.91
3	Legal & Statutory Expenses	7.00	3.07
4	Environmental Monitoring Services	17.82	15.14
5	Mangrove Afforestation/Plantation & Bio-Shielding Pilot Project	12.50	2.02
6	Hazardous Waste Management & Disposal	5.00	7.85
7	Horticulture Development - Greenery and Plantation	160.00	139.64
8	O&M of Sewage Treatment Plants and Effluent Treatment Plant	38.29	20.93
9	Environment Day Celebration	2.50	1.44
10	Treatment and Disposal of Bio-Medical Waste	0.82	0.58
11	Environmental Initiatives & Others Miscellaneous	2.50	32.80
Total Amount (INR In Lacs)		276.62	238.40
