



AHPPL/GPCB/2017-18/008

Date: 31/05/2017

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, 2017 of **M/s. Adani Hazira Port Pvt. Ltd.**

Ref.: 1. CC&A granted vide Order No.: 47069, Ref. No.: GPCB/CCA-SRT-1314/ID_35352/112716 dated 21-05-2012.
2. Amended CC&A granted vide Order No.: WH-58163, Ref. No.: GPCB: SRT- CCA-1314/ID-35352/166547 dated 27-11-2013.
3. Amended CC&A granted vide Order No.: A-71817, Ref. No.: GPCB/CCA-SRT-1314(6)/ID_35352/323067 dated 02-08-2015.
4. Amended CC&A granted vide Order No.: AWH-77379, Ref. No.: GPCB/CCA-SRT-1314(6)/ID_35352/352538 dated 16-04-2016.

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'2017**. This is for your kind reference and record please.

Thanking You,

Yours faithfully,

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

(Capt. Anil Kishore Singh)
Chief Executive Officer

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

Encl.: - Environmental Statement in Form-V for the Financial Year: 2016-17.

Adani Hazira Port Pvt Ltd
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Choryashi
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Gujarat, India
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Environment Statement In Form-V) For The FY: 2016-17 Of
M/s. Adani Hazira Port Pvt. Ltd.

FORM - V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March, 2017

PART - A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Capt. Anil Kishore Singh, 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	:	27 th May, 2016

PART - B

Water and Raw Material Consumption

(i) Water Consumption:

Water Consumption Cu. Mtr./Day	
Process	Approx. 1085.070 m ³ /day in Firefighting, Dust Suppression, Sprinkling and Washing Activities etc.
Cooling	
Domestic	Approx. 391.48 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: 2015-16 is 425638 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT-Washing Activities, Horticulture and Domestic purpose etc. Water Consumption is 0.0347 M ³ /MT#.	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.

* 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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- # Due to the calculation mistake in the previous year's Environment Statement the figure was reported as 28.82 M³/MT whereas the correct figure was as 0.0347 M³/MT.

(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. The water consumed was mainly in firefighting, dust suppression, water sprinkling and washing activities.

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 Sets Stack Emission Results 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: 2016-17 there is no any treated effluent / water discharged to the environment.

There was approx. 32.92 KL/Day Sewage Generation. The sewage was treated in the Sewage Treatment Plants (STP's) and treated water conforming to prescribe standards was reused in gardening and plantation activities.

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PART - D

Hazardous Wastes

Hazardous Wastes	Total Quantity (Kg. or KL)	
	During the Previous Financial Year	During the Current Financial Year
a) From Process	Cat.-5.1: Approx. 35.300 KL of Used/ Spent Oil Cat.-5.2: Approx. 26.555 MT of Oily Contaminated Cotton & Foam Pig Waste, Barrels etc.	Cat.-3.3: Approx. 1.800 MT of Used Oil Filters. Cat.-5.1: Approx. 38.087 MT of Used/Spent Oil/Bilge. Cat.-5.2: Approx. 55.200 MT of Oily Contaminated Cotton & Foam Pigs. Cat.-21.1: Approx. 1.570 MT of Empty Paint Drums/ Tins. Cat.-33.3: Approx. 0.630 MT of Empty Barrels.
b) From Pollution Control facilities	Nil	Nil

PART - E

Solid Waste

Solid Waste	Total Quantity Generated (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	Nil	7.858 MT (Kitchen & Food Waste Convert in to Manure in OWC)
(C-2) Sold	Nil	Nil
(C-3) Disposed	Approx. 9.904 Metric Tons (Food waste)	Approx. 125.780 MT (Garbage, Kitchen & Food Wastes)*

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

* During the FY: 2016-17 a mechanism for weighing of Kitchen waste and garbage was established that is the reason for increase in the quantity.

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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: 2016-17 is approx. 97.287 MT. Out of which approx. 57.000 MT of hazardous waste disposed off at CHWI Facility at M/s. Saurashtra Enviro Projects Pvt. Ltd., (SEPPL), Bhachau, Kutch (Gujarat) and M/s. Geohybrid Solution Private Limited (GSPL), Palsana, Surat. Approx. 32.300 MT of hazardous waste sent to GPCB registered recycler at Jawrawala Petroleum Co., Ahmedabad, and Approx. 7.987 MT of hazardous waste self-used, respectively.
- Approx. 39.087 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. 30.100 MT - Used/Spent Oil/Bilge Water were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum Co., Ahmedabad and approx. 7.987 MT - Used Oil was self-used in lubrication.
- Approx. 2.384 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. 1.570 MT - Empty Paint Drums/Tins were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum Co., Ahmedabad.
- Approx. 0.751 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. 0.630 MT - Empty Barrels were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum Co., Ahmedabad.
- Approx. 63.163 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. 55.200 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.
- Approx. 2.004 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. 1.800 MT of Used Oil Filters were disposed off at GPCB Authorized CHWIF/TSDF site of M/s. Saurashtra Enviro Projects Pvt. Ltd., (SEPPL), Bhachau, Kutch (Gujarat).

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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 (STP's) and Effluent Treatment Plant (ETP)** for treatment of the domestic waste water and washing 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.: 50 hectares near Village: Kantiyajal, Sea coast area and 150 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: 2016-17, 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 55.57 hectare till March, 2017.

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.
- Lush greenbelt is being developed within the port premises.

Date: 31-05-2017



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

Name: **Capt. Anil Kishore Singh**

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

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

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M/s. Adani Hazira Port Pvt. Ltd.

ANNEXURE-1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table No.:1.1 - DG Sets Stack Emission Monitoring Results for the period: October, 2016 to March, 2017:

S. No.	Parameters	Unit	DG SET TOYO DENKI -1		DG SET TOYO DENKI -2		DG SET TOYO DENKI -3	
			27/10/16	21/03/17	27/10/16	21/03/17	27/10/16	21/03/17
1.	Particulate Matter	mg/Nm ³	24.75	24.75	21.85	Not in Operation	19.44	19.44
2.	Sulphur Dioxide	ppm	8.84	8.84	5.88	"	6.64	6.64
3.	Oxide of Nitrogen	ppm	38.71	38.71	34.56	"	39.36	39.36
4.	Carbon Monoxide (CO)	mg/m ³	10.46	10.46	13.41	"	9.16	9.16
5.	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	"	BDL*	BDL*

Table No.:1.2 - DG Sets Noise Level Monitoring Results for the period: October, 2016 to March, 2017: -

S. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
		27/10/2016	21/03/2017
1.	DG SET TOYO DENKI -1	70.5	70.5
2.	DG SET TOYO DENKI -2	71.2	--
3.	DG SET TOYO DENKI -3	70.3	70.3

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

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M/s. Adani Hazira Port Pvt. Ltd.

ANNEXURE - 2

Details of Environment Management Budget For The Financial Year 2016-17: -

S. No.	Activity	Budget Amount (INR In Lacs)	Expenditure (INR In Lacs)
1.	Salary of Environmental Professionals	49.44	51.23
2.	Environmental Study / Audit and Consultancy Services	25.5	1.845
3.	Legal & Statutory Expenses	8.0	0.43
4.	Environmental Monitoring Services	18.75	16.23
5.	Mangrove Afforestation/Plantation & Bio-Shielding Pilot Project	10.0	12.53
6.	Hazardous Waste Management & Disposal	15.0	17.70
7.	Horticulture Development - Greenery and Plantation	107.29	110.51
8.	O&M of Sewage Treatment and Effluent Treatment Plants	50.96	14.36
9.	Environment Day Celebration	2.25	2.00
10.	Treatment and Disposal of Bio-Medical Waste	0.7	0.484
11.	Environmental Initiatives	--	4.95995
Total Amount (INR In Lacs)		287.89	232.30
