

o/c  
adani

Ref No.: EHS/GPCB/HO/Env. St/17-18

Date: 25<sup>th</sup> May, 2018

XGN ID: - 31664

To,  
Member Secretary,  
Gujarat Pollution Control Board,  
Paryavaran Bhavan,  
Sector 10-A, Gandhinagar - 382010

Dear Sir,

Kind Attn. - Sh. K.C. Mistry

**Sub:** Environment Statement for the financial year ending 31<sup>st</sup> March, 2018 for M/s **Adani Petronet (Dahej) Port Pvt. Ltd.**


**Ref: PCB ID: - 31664, Consent Order No. AWH - 73359.**

With reference to the above mentioned subject and reference, Please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for M/s Adani Petronet (Dahej) Port Pvt. Ltd., At & Post Lakhigam, Taluka Vagra, District Bharuch for the financial year ending 31<sup>st</sup> March 2018.

Thank you,

Yours faithfully,

For Adani Petronet (Dahej) Port Pvt. Ltd.

  
(Authorized Signatory)

Copy to:

✓ The Regional Officer, Gujarat Pollution Control Board, Bharuch.

Encl: As above.

Adani Petronet (Dahej) Port Pvt Ltd  
At & PO Lakhigam  
Taluka Vagra, Via Dahej  
Bharuch 392 130  
Gujarat, India  
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30/05/18  
Bharuch  
Gujarat Pollution Control Board  
Bharuch

**FORM V**  
(See Rule 14)

**Environmental Statement for the Financial Year ending 31<sup>st</sup> March 2018**

**PART - A**

- (i) Name and address of the Owner/  
Occupier of the Industry Operation  
or Process : Mr. B.G. Gandhi  
Chief Operation Officer  
Adani Petronet (Dahej) Port Pvt. Ltd.  
At & Post Lakhigam, Taluka: Vagra,  
Dist.: Bharuch (Gujarat)
- (ii) Industry Category : Red - Large  
Primary (STC Code) NA  
Secondary (STC Code) NA
- (iii) Production Capacity : 0.99 MMT/ Month
- (iv) Year of Establishment : September 2011.
- (v) Date of last Environment  
Statement submitted : 9<sup>th</sup> May, 2017

**PART – B**

**Water and Raw Material Consumption**

**(i) Water Consumption**

Water Consumption Cu. Mtr./Day	
Process	Nil
Cooling	494.39 m <sup>3</sup> /day
Domestic	76.60 m <sup>3</sup> /day

Name of Products	Process Water Consumption per unit of Product Output	
	During the previous financial year (2016-17)	During the current financial year (2017-18)
Handling of Storage of Solid cargo	No process water consumption. <b>218476 m<sup>3</sup></b> of water consumption for dust suppression, firefighting & cooling ( <b>0.03 M<sup>3</sup>/MT</b> )	No process water consumption. <b>207686 m<sup>3</sup></b> of water consumption for dust suppression, firefighting & cooling ( <b>0.029 M<sup>3</sup>/MT</b> )

\* Unit does not go under any manufacturing process. The water consumed was mainly in firefighting, dust suppression, sprinkling and washing activities.

**(ii) Raw Material Consumption**

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of Output	
		During the previous financial year (2016-17)	During the current financial year (2017-18)
NIL*	Not Applicable	Nil	Nil

\* Unit does not go under any manufacturing process. The water consumed was mainly in firefighting, dust suppression, sprinkling and washing activities.

PART - C

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

Pollutant	Quantity of pollutants discharged (Mass/day)	Concentration of pollutant in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil*		
(b) Air	<ul style="list-style-type: none"> <li>• DG Sets are provided as standby power sources and used during power failure.</li> <li>• The Height of DG Stacks as per CPCB/GPCB Standards. All the Monitored parameters are within Standards.</li> </ul>		
Particulate Matter (mg/Nm <sup>3</sup> )	Enclosed as Annexure 1		Nil
Sulphur Dioxide (PPM)			Nil
Nitrogen Oxide (PPM)			Nil

\* Unit does not go under any manufacturing process, as it is service industry (Port) engaged in Handling & Storage of general dry cargo. There is no effluent generation & disposal.

There was approx. 8.90 Kl/day treated sewage water generation. This treated water confirming to prescribed standards is being used in gardening and plantation activities.

**PART - D**

**Hazardous Wastes**

**(As specified under Hazardous Wastes Management and Handling Rules 1989)**

<b>Hazardous Wastes</b>	<b>Total Quantity Generated</b>	
	<b>During the previous financial year (2016-17)</b>	<b>During the current financial year (2017-18)</b>
(a) From Process	Cat. 5.1 – 1.950 MT of Used Oil Cat. 33.1 – 14 Nos discarded barrels Cat. 5.2 – 1550 Kg of oily cotton waste	Cat. 5.1 – 1.760 MT of Used Oil Cat. 33.1 – 97 Nos discarded barrels Cat. 5.2 – 100 Kg of oily cotton waste
(b) From Pollution Control facilities	Nil	Nil

**PART - E**

**Solid Waste**

<b>Solid Waste</b>	<b>Total Quantity Generated (MT/Annum)</b>	
	<b>During the previous financial year (2016-17)</b>	<b>During the current financial year (2017-18)</b>
(a) From Process (Ash)	Nil	Nil
(b) From Pollution Control facilities	Nil	Nil
(C-1) Quantity recycled or reutilized within the unit	Nil	Nil
(C-2) Sold	Nil	Nil
(C-3) Disposed	Nil	Nil

**PART - F**

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

- Oil was generated from various maintenance activities which was collected in Barrels kept in covered hazardous waste storage area. These waste are sold to GPCB authorized registered recyclers.
- Cotton waste (Oily rugs) generated from site was packed in HDPE bags and stored in Hazardous waste storage area. These wastes were disposed at GPCB authorized CHWIF site.

**PART - G**

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

Unit has installed 25 M<sup>3</sup>/Day capacities Sewage Treatment Plant for treatment of the Sewage water generated at site. The treated water is being reused within port premises. Unit has formed dedicated Horticulture department & developing green belt within port premises. Total 8.0 ha of green belt development is carried out till date.

**PART - H**

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

- Unit is doing Regular Environmental Monitoring of Port & surrounding area through reputed NABL certified Laboratory. All the required environmental parameters are well within specified limit and the details of monitored data is regularly submitting to GPCB.
- Unit has installed STP for the treatment of the Sewage water the treated water is reusing for plantation & gardening activities. Unit has also provided dump pond and conveyance channel for collection of runoff generated from Coal Yard.
- Unit has provided Dust Suppression System and Dry Fog Dust Suppression System at coal yard & conveyer system and carrying out regular water spreading to control the dust exposure. Wind breaking wall has provided around the periphery of Coal Yard.
- Unit has formed dedicated Horticulture department & developing green belt within port premises.

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- Unit has procured and using 02 nos. of high capacity vacuum type road sweeping machine used 24X7
- Tire washing system has installed at to restrict the dust carry over through cargo vehicles.

**PART - I**

**Any other particulars for improving the quality of environment.**

- Environmental awareness programs have been conducted during the year for employees at port.
- Community awareness drive on World Forest Day Celebration at Jolva School.
- Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.
- Unit has certified with ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007.

**Date: 25-05-2018**



**(Authorized Signature)**

**Name: Mr. B. G. Gandhi**

**Designation: COO**

**Address: At & Post Lakhigam,  
TalukaVagra, District: Bharuch**

Annexure - 1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 1 MRSS (SS 5) 125 KVA	
			28-04-17	30-08-17
1	Particulate Matter	mg/Nm <sup>3</sup>	24.57	28.21
2	Sulphur Dioxide	ppm	8.41	7.37
3	Oxide of Nitrogen	ppm	42.23	41.20
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	5.15	3.44
DG NOISE Leq dB (A)			71.4	70.4

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 1 MRSS (SS 5) 125 KVA	
			29-11-17	28-02-18
1	Particulate Matter	mg/Nm <sup>3</sup>	17.55	24.84
2	Sulphur Dioxide	ppm	7.27	7.49
3	Oxide of Nitrogen	ppm	35.57	39.56
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	3.44	5.27
DG NOISE Leq dB (A)			68.9	67.8

BDL\*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m<sup>3</sup>, Result on 15% O<sub>2</sub> Correction when oxygen is greater than 15%

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 2 SS7B 125 KVA	
			28-04-17	30-08-17
1	Particulate Matter	mg/Nm <sup>3</sup>	19.55	21.49
2	Sulphur Dioxide	ppm	5.58	6.63
3	Oxide of Nitrogen	ppm	39.23	44.26
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	3.27	4.58
DG NOISE Leq dB (A)			72.5	69.3

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 2 SS7B 125 KVA	
			29-11-17	28-02-18
1	Particulate Matter	mg/Nm <sup>3</sup>	23.44	20.51
2	Sulphur Dioxide	ppm	5.78	8.68
3	Oxide of Nitrogen	ppm	37.93	35.85
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	5.34	3.37
DG NOISE Leq dB (A)			69.3	68.5

BDL\*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m<sup>3</sup>, Result on 15% O<sub>2</sub> Correction when oxygen is greater than 15%

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SR. NO.	TEST PARAMETERS	UNIT	DG SET # 3 MARINE (SS8) 125 KVA	
			28-04-17	30-08-17
1	Particulate Matter	mg/Nm <sup>3</sup>	21.83	19.83
2	Sulphur Dioxide	ppm	7.54	5.30
3	Oxide of Nitrogen	ppm	34.48	34.98
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	7.63	6.87
DG NOISE Leq dB (A)			70.1	71.2

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 3 MARINE (SS8) 125 KVA	
			29-11-17	28-02-18
1	Particulate Matter	mg/Nm <sup>3</sup>	21.55	26.75
2	Sulphur Dioxide	ppm	5.71	5.64
3	Oxide of Nitrogen	ppm	31.97	37.19
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	4.63	2.75
DG NOISE Leq dB (A)			68.7	67.6

BDL\*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m<sup>3</sup>, Result on 15% O<sub>2</sub> Correction when oxygen is greater than 15%

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 4 SILO (SS11) 125 KVA	
			28-04-17	30-08-17
1	Particulate Matter	mg/Nm <sup>3</sup>	17.55	25.74
2	Sulphur Dioxide	ppm	6.76	7.76
3	Oxide of Nitrogen	ppm	37.88	38.45
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	8.38	8.02
DG NOISE Leq dB (A)			68.4	72.2

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 4 SILO (SS11) 125 KVA	
			29-11-17	28-02-18
1	Particulate Matter	mg/Nm <sup>3</sup>	19.36	21.57
2	Sulphur Dioxide	ppm	4.02	6.50
3	Oxide of Nitrogen	ppm	29.65	32.41
4	Non Methyl Hydro Carbon (NMHC)	mg/m <sup>3</sup>	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m <sup>3</sup>	3.51	4.22
DG NOISE Leq dB (A)			69.4	68.1

BDL\*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m<sup>3</sup>, Result on 15% O<sub>2</sub> Correction when oxygen is greater than 15%

**Annexure - 2**

**Expenditure for Environmental Protection Activities during FY 2017 - 18**

<b>S. NO.</b>	<b>ACTIVITY/ CATEGORY</b>	<b>BUDGET (IN LAC)</b>	<b>EXPENDITURE (IN LAC)</b>
1.	EHS Manpower	15.5	15.5
2.	Legal & Statutory Expenses	1.50	0.22
3.	Environmental Monitoring Services	19.0	18.62
4.	Water Consumption (For Dust Separation, Cooling)	75.5	33.78
5.	Hazardous Waste Management & Disposal	0.80	1.05
6.	Greenbelt Development and Plantation	22.70	22.70
7.	O&M of Pollution control measures	6.40	6.15
8.	Environment Day Celebration	0.25	0.25
9.	Treatment and Disposal of Bio-Medical Waste	2.16	1.92
10.	Operation and Maintenance of Road Cleaning equipment and manpower	17.41	17.41
11.	Operation and Maintenance of Fire staff	49.50	49.50
<b>TOTAL AMOUNT (IN LACS)</b>		<b>210.72</b>	<b>167.10</b>