adani™

Ref No. EHS/GPCB/HO/Env. St/16-17 **May 09, 2017**

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

Dear Sir,

Kind Attn. Sh. K C Mistry

Sub: Environmental Statement for the financial year ending 31st March, 2017 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 31st March 2017.

Thank you,

Yours faithfully,
For **Adani Petronet (Dahej) Port Pvt. Ltd**

Mr. B G Gandhi
(Authorized Signatory)

ADANI PETRONET (DAHEJ) PORT PVT. LTD. DAHEJ

Encl: As above.

Copy to:

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

Adani Petronet (Dahej) Port Pvt Ltd
At & PO Lakhigam
Taluka Vagra, Via Dahej
Bharuch 392 130
Gujarat, India
CIN: U63012GJ2003PTC041919

Tel +91 2641 25 3395
Fax +91 2641 25 3398
info@adani.com
www.adani.com

Registered Office: Adani House, Nr Mithakhali Circle, Navrangpura, Ahmedabad 380 009, Gujarat, India

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) 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 Adani Petronet (Dahej) Port Pvt. Ltd. At & Post Lakhigam, Taluka Vagra, Dist. Bharuch(Gujarat)
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	: 	Red-Large NA NA
(iii)	Production Capacity	:	0.99 MMT/Month
(iv)	Year of Establishment	:	September 2011,
(v)	Date of last Environment Statement submitted	:	16th August, 2016

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – B

Water and Raw Material Consumption

(i) Water Consumption

Water Consumption Cu. Mtr./Day	
Process	Nil
Cooling	570.2 m3/day
Domestic	28.33 m3/day

Name of Products	**Process Water Consumption per unit of Product Output**	
	During the previous financial year (2015-16)	**During the current financial year (2016-17)**
Handling of Storage of Solid cargo	No process water consumption. 246860 m^3 of water consumption for dust suppression, firefighting & cooling (0.02 M3/MT)	No process water consumption. 218476 m^3 of water consumption for dust suppression, firefighting & cooling (0.03 M3/MT)

*** 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 (2015-16)	**During the current financial year (2016-17)**
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.**

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – C

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

<table>
<tr><th>Pollutants</th><th>Quantity of pollutants discharged (Mass/day)</th><th>Concentrations of pollutants in discharges (mass/volume)</th><th>Percentage of variation from prescribed standards with reasons</th></tr>
<tr><td>(a) Water</td><td colspan="3">Nil*</td></tr>
<tr><td>(b) Air</td><td colspan="3">• DG sets are provided as standby power source and used during power failure.
• The Height of D G Stacks as per CPCB/GPCB Standards. All the Monitored parameters are within Standards</td></tr>
<tr><td>Particulate Matter (mg/Nm3)</td><td colspan="2" rowspan="3">Enclosed as Annexure 1</td><td>Nil</td></tr>
<tr><td>Sulphur Dioxide (PPM)</td><td>Nil</td></tr>
<tr><td>Nitrogen Oxide (PPM)</td><td>Nil</td></tr>
</table>

*** 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. 19.36 Kl/day sewage generation. The sewage was treated in the Sewage treatment plant (STP) and treated water confirming to prescribed standards reused in gardening and plantation activities.

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – D

Hazardous Wastes	Total Quantity	
	During the previous financial year (2015-16)	During the current financial year (2016-17)
(a) From Process	Cat. 5.1 – 2.170 MT of Used Oil Cat. 33.3 – 50 Nos discarded barrels Cat. Nil – 1050 Kg of oily cotton waste	Cat. 5.1 – 1.950 MT of Used Oil Cat. 33.3 – 14 Nos discarded barrels Cat. Nil – 1550 Kg of oily cotton waste
(b) From Pollution Control facilities	Nil	Nil

PART – E
Solid Waste

Scrap is collected in designated scrap yard & auction 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:

- 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 recycler.
- Cotton waste (Oily rags) generated from site the same was packed in HDPE bags and stored in Hazardous waste Storage area. These waste will be dispose at GPCB Authorized CHWIF site of M/s Bharuch Enviro Infrastructure Ltd. (BEIL), Ankleshwar.

PART – G

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

Unit has installed 25 M3/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. Plantation of 2.554 Ha area carried out during FY 16-17. Total 8.0 ha of green belt development is carried out till date.

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

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 & 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 is provided around the periphery of Coal Yard.
- Unit has formed dedicated Horticulture department & developing green belt within port premises.
- Unit has procured and using 2 nos of high capacity vacuum type road sweeping machine used 24X7.
- Tire washing system is 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 school children in Lakhigam village.
- Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.

ADANI PETRONET (DAHEJ) PORT PVT. LTD. DAHEJ

Date : 09-05-2017

(Authorised Signature)
Name : Mr. B G Gandhi
Designation : COO
Address : At & Post Lakhigam, Taluka Vagra, District Bharuch

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

SR. NO.	TEST PARAMETER	UNIT	DG SET # 1 MRSS (SS5) 125 KVA	
			26-04-16	27-07-16
1	Particulate Matter	mg/Nm^3	13.85	25.66
2	Sulfur Dioxide as SO_2	ppm	6.41	7.11
3	Oxides of Nitrogen as NO_X	ppm	38.54	33.65
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	69.8	67.5

SR. NO.	TEST PARAMETER	UNIT	DG SET # 1 MRSS (SS5) 125 KVA	
			22-10-2016	18-01-17
1	Particulate Matter	mg/Nm^3	28.72	19.41
2	Sulfur Dioxide as SO_2	ppm	6.46	5.84
3	Oxides of Nitrogen as NO_X	ppm	35.51	40.39
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	6.25	5.29
DG Noise Leq dB (A)			69.5	70.2

BDL*: Below Detection Limit, Minimum Detection Limit: Hydro Carbon: 75 mg/m3, Results on 11 % O2 Correction when Oxygen is greater than 11 %

SR. NO.	TEST PARAMETER	UNIT	DG SET # 2 SS7B 125 KVA	
			26-04-16	27-07-16
1	Particulate Matter	mg/Nm^3	26.71	19.44
2	Sulfur Dioxide as SO_2	ppm	5.72	4.41
3	Oxides of Nitrogen as NO_X	ppm	31.38	27.3
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	71.2	72.8

SR. NO.	TEST PARAMETER	UNIT	DG SET # 2 SS7B 125 KVA	
			22-10-2016	18-01-17
1	Particulate Matter	mg/Nm^3	15.86	21.76
2	Sulfur Dioxide as SO_2	ppm	5.49	7.3
3	Oxides of Nitrogen as NO_X	ppm	38.26	35.16
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	9.54	3.35
	DG Noise Leq dB (A)	71.5	70.2	70.4

BDL*: Below Detection Limit, Minimum Detection Limit: Hydro Carbon: 75 mg/m3, Results on 11 % O2 Correction when Oxygen is greater than 11 %

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

SR. NO.	TEST PARAMETER	UNIT	DG SET # 3 Marine (SS8)125 KVA	
			26-04-16	27-07-16
1	Particulate Matter	mg/Nm^3	15.64	16.9
2	Sulfur Dioxide as SO_2	ppm	8.42	6.4
3	Oxides of Nitrogen as NO_X	ppm	35.65	36.78
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	68.5	65.7

SR. NO.	TEST PARAMETER	UNIT	DG SET # 3 Marine (SS8)125 KVA	
			22-10-2016	18-01-17
1	Particulate Matter	mg/Nm^3	29.38	15.8
2	Sulfur Dioxide as SO_2	ppm	8.63	6.5
3	Oxides of Nitrogen as NO_X	ppm	30.66	38.07
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	11.14	7.43
	DG Noise Leq dB (A)		70.2	69.2

B BDL*: Below Detection Limit, Minimum Detection Limit: Hydro Carbon: 75 mg/m3, Results on 11 % O2 Correction when Oxygen is greater than 11 %

SR. NO.	TEST PARAMETER	UNIT	DG SET # 4 Silo (SS11)125 KVA	
			26-04-16	27-07-16
1	Particulate Matter	mg/Nm^3	19.67	28.67
2	Sulfur Dioxide as SO_2	ppm	4.82	5.1
3	Oxides of Nitrogen as NO_X	ppm	35	31.07
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	70.1	71.3

SR. NO.	TEST PARAMETER	UNIT	DG SET # 4 Silo (SS11)125 KVA	
			22-10-2016	18-01-17
1	Particulate Matter	mg/Nm^3	22.75	26.71
2	Sulfur Dioxide as SO_2	ppm	7.51	8.58
3	Oxides of Nitrogen as NO_X	ppm	33.20	36.72
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide	mg/m3	5.29	7.63
	DG Noise Leq dB (A)		68.8	69.6

Environment Statement for 2016-17 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

Annexure – 2 Expenditure for Environmental Protection Activities during FY 2016-17

Environment Expenditure & Budget for F.Y. 2016-17

SN No	Activity/ Category	Budget (INR)	Expenditure (INR)
1	EHS Manpower	8.86	8.86
2	Legal & Statutory Expenses	0.0	0.25
3	Environmental Monitoring Services	20.0	18.5
4	Water Consumption	36.21	36.21
5	Hazardous Waste Management & Disposal	0.80	0.0
6	Greenbelt Development and Plantation	21.62	21.62
7	O&M of Pollution control measures	7.75	7.55
8	Environment Day Celebration	0.50	0.20
9	Treatment and Disposal of Bio-Medical Waste	2.10	1.92
10	Operation and Maintenance of Road Cleaning equipment and manpower	45.42	45.42
11	Operation and Maintenance of Fire staff	36.43	36.43
12	Water cost for dust suppression	74.095	36.21
13	Water Sprinkling cost	92.27	24.07
	Total Amount (INR)	**346.06**	**237.24**
	Capital Expenditure		
1	Horticulture Development	35.0	30.0
2	Canteen Solar project	12.0	0.0
3	Bio diversity study	5.0	0.0
4	EHS Display	5.0	2.0
	Total Amount (INR)	**57.00**	**32.0**