D/C

adani

Ports and Logistics

Ref No.: EHS/GPCB/HO/Env. St/18-19

29th May, 2019
XGN ID: - 31664

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

Dear Sir,

Kind Atten. Sh. K.C. Mistry

Sub: Environment Statement for the financial year ending 31st March, 2019 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 2019.

Thank you,

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

(Authorized Signatory)

Encl: As above.

Copy to:
1. The Regional Officer, Gujarat Pollution Control Board, Bharuch.

Post Received
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

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Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) 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	:	Mr. Pranav Choudhary 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	:	30th May, 2018

Environment Statement for 2018-19 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	577.69 m3/day
Domestic	99.94 m3/day

Name of Products	**Process Water Consumption per unit of Product Output**	
	During the previous financial year (2017 – 18)	**During the current financial year (2018 – 19)**
Handling of Storage of Solid cargo	No process water consumption. **207686 m3** of water consumption for dust suppression, firefighting & cooling (**0.029 M3/MT**)	No process water consumption. **207686 m3** of water consumption for dust suppression, firefighting & cooling (**0.027 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 (2017– 18)	**During the current financial year (2018 – 19)**
NIL*	Not Applicable	Nil	Nil

Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

*** 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)

<table>
<tr><th>Pollutant</th><th>Quantity of pollutants discharged (Mass/day)</th><th>Concentration of pollutant 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 sources and used during power failure.
• The Height of DG 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. 8.71 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 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – D

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

Hazardous Wastes	Total Quantity	
	During the previous financial year (2017 – 18)	**During the current financial year (2018 – 19)**
(a) From Process	1). Used Oil (Cat. 5.1) – 1.760 MT 2). Oily cotton waste (Cat. 5.2) – 100 Kg 3). Discarded barrels (Cat. 33.1) – 97 Nos.	1). Sludge and Filter Contaminated with oil (Cat. 3.3) – Nil. 2). Used Oil (Cat. 5.1) – 16.632 MT. 3). Wastes/ Residues containing Oil (Cat. 5.2) – 6.770 MT. 4). Process Waste, Residues & Sludge (Paint) (Cat. – 21.1) – Nil. 5). Discarded Barrels (Cat. 33.1) – 2.580 MT. 6). Contaminated Cotton rags or other cleaning materials (Cat. 33.2) - Nil.
(b) From Pollution Control facilities	Nil	Nil

PART – E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the previous financial year (2017-18)	**During the current financial year (2018-19)**
(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

Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

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 the same was packed in HDPE bags and stored in Hazardous waste storage area. This waste are dispose at GPCB authorized CHWIF/ Co-processing 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 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. Total 18.0 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.

- Unit has procured and using 02 nos. of high capacity vacuum type road sweeping machine used 24X7.

Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

- 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.
- Tree Plantation drive held on World Forest Day.
- Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.

Date: 29-05-2019

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

Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

Annexure – 1
DG SETS STACK EMISSION AND NOISE LEVEL MONITORING

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 1 MRSS (SS 5) 125 KVA	
			29-05-18	21-08-18
1	Particulate Matter	mg/Nm3	18.64	12.38
2	Sulphur Dioxide	ppm	5.48	8.49
3	Oxide of Nitrogen	ppm	32.76	38.88
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	5.53	7.16
DG NOISE Leq dB (A)			**68.4**	**70.2**

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 1 MRSS (SS 5) 125 KVA	
			26-11-18	21-02-19
1	Particulate Matter	mg/Nm3	18.34	24.37
2	Sulphur Dioxide	ppm	5.92	6.84
3	Oxide of Nitrogen	ppm	32.02	36.96
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	3.82	3.89
DG NOISE Leq dB (A)			69.3	71.5

BDL*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m3, Result on 15% O2 Correction when oxygen is greater than 15%

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 2 SS7B 125 KVA	
			29-05-18	21-08-18
1	Particulate Matter	mg/Nm3	13.37	19.61
2	Sulphur Dioxide	ppm	7.95	6.15
3	Oxide of Nitrogen	ppm	39.39	32.68
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	3.66	6.54
DG NOISE Leq dB (A)			**67.6**	**66.8**

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 2 SS7B 125 KVA	
			26-11-17	21-02-19
1	Particulate Matter	mg/Nm3	24.38	21.84
2	Sulphur Dioxide	ppm	8.6	5.44
3	Oxide of Nitrogen	ppm	37.67	31.65
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	5.92	6.61
DG NOISE Leq dB (A)			**71.5**	**72.6**

BDL*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m3, Result on 15% O2 Correction when oxygen is greater than 15%

Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 3 MARINE (SS8) 125 KVA	
			29-05-18	21-08-18
1	Particulate Matter	mg/Nm3	20.75	17.83
2	Sulphur Dioxide	ppm	4.38	5.63
3	Oxide of Nitrogen	ppm	35.34	38.75
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	2.63	2.99
DG NOISE Leq dB (A)			**67.2**	**71.5**

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 3 MARINE (SS8) 125 KVA	
			26-11-18	21-02-19
1	Particulate Matter	mg/Nm3	29.63	17.65
2	Sulphur Dioxide	ppm	4.33	7.8
3	Oxide of Nitrogen	ppm	28.26	39.11
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	4.91	5.09
DG NOISE Leq dB (A)			**70.7**	**69.4**

BDL*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m3, Result on 15% O2 Correction when oxygen is greater than 15%

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 4 SILO (SS11) 125 KVA	
			29-05-18	21-08-18
1	Particulate Matter	mg/Nm3	15.41	10.23
2	Sulphur Dioxide	ppm	5.62	3.97
3	Oxide of Nitrogen	ppm	37.81	29.07
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	4.22	5.03
DG NOISE Leq dB (A)			**66.8**	**68.3**

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 4 SILO (SS11) 125 KVA	
			26-11-18	21-02-19
1	Particulate Matter	mg/Nm3	20.37	26.75
2	Sulphur Dioxide	ppm	6.43	4.44
3	Oxide of Nitrogen	ppm	35.42	29.2
4	Non Methyl Hydro Carbon (NMHC)	mg/m3	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m3	2.41	2.69
DG NOISE Leq dB (A)			**72.4**	**73.8**

BDL*: Below Detection Limit: Non Methyl Hydro Carbon 5 mg/m3, Result on 15% O2 Correction when oxygen is greater than 15%

Environment Statement for 2018-19 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

Annexure – 2

Expenditure for Environmental Protection Activities during FY 2018 – 19

Environment Expenditure & Budget for F.Y. 2018 – 19

S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	EHS Manpower	5.54	5.54
2.	Legal & Statutory Expenses	1.50	0.34
3.	Environmental Monitoring Services	20.90	18.30
4.	Water Consumption	56.38	55.64
5.	Hazardous Waste Management & Disposal	1.05	2.07
6.	Greenbelt Development and Plantation	47.02	45.00
7.	O&M of Pollution control measures	6.40	5.30
8.	Environment Day Celebration	0.50	0.50
9.	Treatment and Disposal of Bio-Medical Waste	1.92	1.92
10.	Operation and Maintenance of Road Cleaning equipment and manpower	10.93	10.27
11.	Operation and Maintenance of Fire staff	73.74	73.74
12.	Shoreline Monitoring	15.0	10.35
13.	Ergonomics and Health-hygiene Survey	2.0	1.25
	TOTAL AMOUNT (IN LACS)	**242.88**	**230.22**
CAPITAL EXPENDITURE			
S. NO.	**ACTIVITY/ CATEGORY**	**BUDGET (IN LAC)**	**EXPENDITURE (IN LAC)**
1.	Horticulture Development	35.0	22.57
2.	EHS Display Board	5.0	5.0
3.	Bio Diversity	7.0	7.0
	TOTAL AMOUNT (IN LACS)	**47.0**	**34.57**