



Ports and
Logistics

Ref No.: EHS/GPCB/HO/Env. St/2019-20

19th May, 2020
XGN ID: - 31664

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

Subject: Environment Statement for the financial year ending 31st March, 2020 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

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

Dear Sir,

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 2020.

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.

Adani Petronet (Dahej) Port Pvt Ltd
At & PO Lakhigam
Taluka Vagra, Via Dahej
Bharuch 392 130
Gujarat, India
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26/5/20
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Gujarat Pollution Control Board
BHARUCH

Environment Statement for 2019-20 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

FORM V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March 2020

PART – A

- (i) Name and address of the Owner/ : Mr. Pranav Choudhary
Occupier of the Industry Operation or Chief Executive Officer
Process Adani Petronet (Dahej) Port Pvt. Ltd.
At & Post Lakhigam, Taluka: Vagra,
District: 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 : 1st June, 2019
submitted

Environment Statement for 2019-20 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	593.73 m ³ /day
Domestic	131.66 m ³ /day

Name of Products	Process Water Consumption per unit of Product Output	
	During the previous financial year (2018-19)	During the current financial year (2019 – 20)
Handling of Storage of Solid cargo	No process water consumption. 210859 m³ of water consumption for dust suppression, firefighting & cooling (0.023 M³/MT)	No process water consumption. 216715 m³ of water consumption for dust suppression, firefighting & cooling (0.034 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 (2018-19)	During the current financial year (2019-20)
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 2019-20 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

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">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.		
Particulate Matter (mg/Nm ³)	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. 14.26 KI/day sewage water generation. The sewage water was treated in the Sewage treatment plant (STP) and treated water confirming to prescribed standards reused in gardening and plantation activities.

Environment Statement for 2019-20 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 (2018 – 19)	During the current financial year (2019 – 20)
(a) From Process	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.	1). Sludge and Filter Contaminated with oil (Cat. 3.3) – Nil. 2). Used Oil (Cat. 5.1) – 17.420MT. 3). Wastes/ Residues containing Oil (Cat. 5.2) – 3.560 MT. 4). Process Waste, Residues & Sludge (Paint) (Cat. – 21.1) – Nil. 5). Discarded Barrels (Cat. 33.1) – 1.65 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 (2018-2019)	During the current financial year (2019-20)
(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 2019-20 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 19.3894 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 2019-20 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.
- Awareness drive on World Wetland day celebration at APDPPL.
- Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.

Date: 19-05-2020

(Authorized Signature)

Name: Mr. Manoj Katar

Designation: Chief Operating Officer

At & Post Lakhigam, Taluka Vagra, District: Bharuch

Annexure – 1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING

1. MRSS (SS 5) 125 KVA

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 1 MRSS (SS 5) 125 KVA			
			28-05-19	29-08-19	29.11.19	11.02.20
1	Particulate Matter	mg/Nm ³	20.83	16.84	24.86	18.76
2	Sulphur Dioxide	ppm	7.92	5.80	8.12	7.85
3	Oxide of Nitrogen	ppm	28.63	36.77	40.31	32.73
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m ³	3.96	3.82	3.44	9.64
DG NOISE Leq dB (A)			70.6	71.2	70.20	68.4

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

2. SS7B 125 KVA

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 2 SS7B 125 KVA			
			28-05-19	29-08-19	29.11.19	11.02.20
1	Particulate Matter	mg/Nm ³	23.46	19.58	22.36	20.82
2	Sulphur Dioxide	ppm	6.22	7.60	6.29	5.20
3	Oxide of Nitrogen	ppm	34.57	31.47	34.60	32.83
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m ³	6.74	5.82	6.03	6.87
DG NOISE Leq dB (A)			68.3	67.52	69.60	67.5

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

3. MARINE (SS8) 125 KVA

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 3 MARINE (SS8) 125 KVA			
			28-05-19	29-08-19	29.11.19	11.02.20
1	Particulate Matter	mg/Nm ³	26.37	23.41	18.61	22.65
2	Sulphur Dioxide	ppm	8.66	6.46	7.73	8.57
3	Oxide of Nitrogen	ppm	31.83	38.53	31.82	35.44
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m ³	4.91	5.00	4.74	8.44
DG NOISE Leq dB (A)			71.5	72.6	71.80	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 2019-20 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

4. SILO (SS11) 125 KVA

SR. NO.	TEST PARAMETERS	UNIT	DG SET # 4 SILO (SS11) 125 KVA			
			28-05-19	29-08-19	29.11.19	11.02.20
1	Particulate Matter	mg/Nm ³	18.61	26.33	20.76	15.37
2	Sulphur Dioxide	ppm	5.57	8.57	5.25	4.77
3	Oxide of Nitrogen	ppm	36.47	40.22	37.48	30.62
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m ³	2.54	2.41	2.33	6.13
DG NOISE Leq dB (A)			72.8	71.5	72.70	73.4

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 2019-20 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

Annexure – 2

Expenditure for Environmental Protection Activities during FY 2019-20

S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	EHS Manpower	7.12	6.85
2.	Legal & Statutory Expenses	2.00	0.20
3.	Environmental Monitoring Services	23.10	20.28
4.	Cost for Water Consumption and use dust suppression	61.20	71.69
5.	Hazardous Waste Management & Disposal	3.00	2.12
6.	Greenbelt Development and Plantation	50.59	40.00
7.	O&M of Sewage Treatment Plant	7.05	6.70
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	45.66	35.95
11.	Operation and Maintenance of Fire staff engage in water sprinkling activity	83.98	65.62
12.	Marine Ecology / Shoreline Monitoring	15.0	10.35
13.	Ergonomics and Health-hygiene Survey	1.50	0.0
14.	Environmental Study / Audit and Consultancy (Biodiversity – First Season Study)	15.0	9.18
15.	Bio Shield Project at village malpur & Jambusar, Bharuch 1000m x 200m(1.0km)	27.14	13.57
TOTAL AMOUNT (IN LACS)		344.76	284.93
CAPITAL EXPENDITURE			
S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	Horticulture Development	22.50	8.0
2.	EHS Display Board	5.0	5.0
3.	Sewage Treatment Plant (STP -50KL (Membrane Biological Reactor (MBR) Technology)	35.0	20.50
TOTAL AMOUNT (IN LACS)		62.5	33.5
TOTAL AMOUNT (IN LACS)		407.26	318.43

