



Ref No: AMPTPL/2018/100

Date: 24/09/2018

To,

**Member Secretary**

Goa State Pollution Control Board  
Nr. Pilerne Industrial Estate  
Opp. Saligao Seminary  
Saligao – Bardez  
Goa - 403511



**Kind Atten: Smt. Shamila Monteiro**

**Sub: Submission of Environmental Statement (Form –V) for year 2017-18.**

Dear Sir,

With reference to the above subject, please find the enclosed here with Environmental Statement (Form –V) for year 2017-18.

This is for your information and records please.

Thanking You

Yours Sincerely

**For Adani Murmugao Port Terminal Private Limited.**

*[Signature]*



Debasish Neogi

Business Head

AMPTPL, Goa

**CC to:** Environment Cell, Murmugao Port Trust.

# Environment Statement for FY 2017-18 for Adani Murmugao Port Private Limited

## FORM V (See Rule 14)

### PART- A

- (i) Name and address of the owner/ : Debasish Neogi  
Occupier of the Industry, operation : Business Head  
Or process : Adani Murmugao Port Private Limited  
Berth No 7, Murmugao Harbor,  
Dist. South Goa.
- (ii) Industry Category : Red - Large  
Primary (STC Code) : NA  
Secondary (STC Code) : NA
- (iii) Production Capacity : 5.2 Million Tons / Annum
- (iv) Year of Establishment : 2012
- (v) Last Environment Statement Submitted : 17.07.2017

### PART- B

#### WATER AND RAW MATERIAL CONSUMPTION

##### (i) Water consumption

Water Consumption Cu.Mtr./Day	268 m <sup>3</sup> /day
Process	Nil
Cooling:	234 m <sup>3</sup> /day
Domestic	34 m <sup>3</sup> /day

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year ( 2016-17)	During the Current Financial Year (2017-18)
Handling of Coal.	0.029 m <sup>3</sup> /MT	0.086 M <sup>3</sup> /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 (2016-17)	During the current financial year (2017-18)
Nil	NA	Nil	Nil

- Unit does not go under any manufacturing process. The water consumed is mainly in Fire-fighting, Dust suppression system, spraying on roads for dust suppression, Truck Wheel washing, Nevis dust suppression system, Conveyor water curtains, Hopper spraying etc.

**PART- C**

**Pollution discharges to environment/unit of output  
(Parameter as specified in the consent issued)**

<b>Pollutants</b>	<b>Quality of Pollutants Discharged (Mass/day)</b>	<b>Concentration of Pollutants discharges (mass/volume)</b>	<b>Percentage of variation from prescribed standards</b>
a) Water	No effluent water discharged to the environment		
b) Air	DG sets are provided as standby power source and used during power failure. The Height of DG stacks as per CPCB/GSPCB Standards. All the monitored parameters are within standards.		
Particulate Matter (mg/Nm <sup>3</sup> )	DG stack emission report is enclosed as <b>Annexure 1</b>		
Sulphur Dioxide (PPM)			
Nitrogen Oxide (PPM)			

**PART- D**

**HAZARDOUS WASTES**

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

<b>Hazardous Wastes</b>	<b>Total Quantity (Kg)</b>	
	<b>During the previous financial year ( 2016-17)</b>	<b>During the current financial year ( 2017-18)</b>
(a) From Process	3 MT used oil	2 MT used oil
(b) From pollution Control facilities	NA	NA

**PART- E**

**SOLID WASTES**

<b>Total Quantity Generated (MT/Annum)</b>		
<b>Solid Waste</b>	<b>During the Previous Financial Year (2016-17)</b>	<b>During the Current Financial Year ( 2017-18)</b>
(a) From Pollution Control Equipment	Nil	Nil
(b) From Process	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 characterizations (in terms of composition of quantum) of Hazardous as well solid water and indicate disposal practice adopted for both these categories of wastes.**

- Hazardous waste includes used oil only. Used oil generated from various maintenance activities are collected in barrels kept in covered hazardous waste storage area & is disposed of through GSPCB authorized – registered recycler.
- The used batteries and E waste also stored in Hazardous waste storage area and will be disposed of through approved vendor.
- E-waste return in Form 3 was submitted in line to E-waste Management Rules 2016
- Solid Waste includes mainly domestic waste (office & kitchen waste) which is disposed through authorized vendor.

#### **PART- G**

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

All the domestic waste water generated at site is treated at existing sewage treatment plant located at Headland Sada. The treated water is being reused within port premises. Unit has developed green belt within port premises.

#### **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 recognized Laboratory certified by MoEF&CC. All the required environmental parameters are well within specified limit & the details of monitored data is regularly submitting to GSPCB, CPCB, MoEF&CC and other concerned authorities.
- Unit has also installed Continuous Ambient Air Quality Monitoring System (CAAQMS) and data is transferred to GSPCB on real time basis
- Unit has installed multimedia filter system which receives the treated water from MPT Sewage tank. The filtered water is used for plantation & gardening activities. Unit has also provided dump pond and conveyance channel for collection of runoff generated from coal yard.
- Unit has provided Sprinklers at coal yard & conveyor system and carrying out regular water spreading to control the dust exposure. Wind screen is provided around the periphery of coal yard.
- Unit has taken steps for developing green belt within port premises.

#### **PART- I**

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

- Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.

Date: 24/09/2018

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

Name : Debasish Neogi  
Designation : Business Head  
Address : Sub Station Building, Near Gate No. 2 of Mormugao  
Port Trust, Mormugao, 403 803, Goa.

**DG Stack Emission Monitoring Results (2017-18)****DG Stack 1 (2000 KVA)**

Month	PM mg/Nm <sup>3</sup>	NOx ppm	CO mg/Nm <sup>3</sup>	NMHC mg/Nm <sup>3</sup>	Sulphur Content in Fuel (%)
June-17	17.64	37.71	4.01	BDL	0.022
Sep-17	23.39	34.60	4.81	BDL	0.013
Dec-17	12.41	39.45	3.66	BDL	0.024
Mar-18	19.41	36.71	5.96	BDL	0.015

**DG Stack 2 (2000 KVA)**

Month	PM mg/Nm <sup>3</sup>	NOx ppm	CO mg/Nm <sup>3</sup>	NMHC mg/Nm <sup>3</sup>	Sulphur Content in Fuel
June-17	19.62	31.62	5.50	BDL	0.026
Sep-17	28.47	37.43	4.35	BDL	0.018
Dec-17	18.59	33.56	3.32	BDL	0.022
Mar-18	24.54	33.60	4.92	BDL	0.013

**DG Stack 3 (380 KVA)**

Month	PM g/kw-hr	NOx g/kw-hr	HC g/kw-hr	CO g/kw-hr	SO <sub>2</sub> Kg/hr
June-17	0.002	0.003	BDL	0.0003	0.0006
Sep-17	0.0013	0.0037	BDL	0.0004	0.0004
Dec-17	0.0014	0.0025	BDL	0.0002	0.0005
Mar-18	0.0009	0.0022	BDL	0.0002	0.0006

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