



Ports and
Logistics

Ref No: AMPTPL/2020/445

Date: 21.09.2020

To,

Member Secretary

Goa State Pollution Control Board

Nr. Pilerne Industrial Estate

✓ Opp. Saligao Seminary

Saligao – Bardez

Goa - 403511

Kind Attn: Dr. Shamila Monteiro

Sub: Submission of Environmental Statement (Form-V) for the FY 2019-20.

Ref: Consent Order No. 12/2019-PCB/347405/R0002737 dated 24.03.2020

Respected Madam,

With reference to the captioned subject and cited references above, we submit herewith the Environmental Statement of **M/s Adani Mormugao Port Terminal Private Limited**, in Form-V prescribed under Rule 14 of the Environment (Protection) Rules 1986 for the financial year ending 31st March 2020.

Submitted for your kind information and records.

Thanking You

For Adani Mormugao Port Terminal Private Limited,


Authorized Signatory

CC: Environment Cell, Mormugao Port Trust.

Adani Mormugao Port Terminal Pvt. Ltd.
Sub Station Building
Near Gate No.2 of MPT
Mormugao, Goa-403803, India
CIN No. U61100GJ2009PTC057727

Tel +91 832 2579200
Fax +91 832 2579299
info@adani.com
www.adani.com

Registered Office: Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382421, Gujarat

Vibhor Srivastava

From: Vibhor Srivastava
Sent: 23 September 2020 14:17
To: 'rosz.bng-mefcc@gov.in'
Subject: Form V_AMPTPL_Goa_FY 19-20
Attachments: Form V - 2019_20_AMPTPL_MoEF&CC.pdf

Respected Sir,

With reference to the captioned subject and cited references above, we submit herewith the Environmental Statement of **M/s Adani Mormugao Port Terminal Private Limited (attached)**, in Form-V prescribed under Rule 14 of the Environment (Protection) Rules 1986 for the financial year ending 31st March 2020.

Submitted for your kind information and records.

Regards,

Vibhor Srivastava

Assistant Manager – Environment,

Address : Adani Mormugao Port Terminal Pvt. Ltd. Sub Station Building

Near Gate No. 2 of Mormugao Port Trust, Mormugao, Goa, 403803, India

Office: **+91 832 25 79326** | or Mob: **+916359897585** | Email: Vibhor.Srivastava@adani.com

adani

Growth
with
Goodness

Our Values: Courage | Trust | Commitment



/AdaniOnline



Ports and
Logistics

सी. एम. ई.	एम. पी. टी.
पंजी सं:	देनांक:
C.M.E.	M.P.T.
REG. NO.	DATE
1995	22/9/20

Ref No: AMPTPL/2020/445

Date: 21.09.2020

To,

Member Secretary

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

Kind Attn: Dr. Shamila Monteiro

Sub: Submission of Environmental Statement (Form-V) for the FY 2019-20.

Ref: Consent Order No. 12/2019-PCB/347405/R0002737 dated 24.03.2020

Respected Madam,

With reference to the captioned subject and cited references above, we submit herewith the Environmental Statement of **M/s Adani Mormugao Port Terminal Private Limited**, in Form-V prescribed under Rule 14 of the Environment (Protection) Rules 1986 for the financial year ending 31st March 2020.

Submitted for your kind information and records.

Thanking You

For Adani Mormugao Port Terminal Private Limited,

Authorized Signatory

CC: Environment Cell, Mormugao Port Trust.

Acknowledgment copy received from G.S.P.C.B. portal is attached for Ref.

Adani Mormugao Port Terminal Pvt. Ltd.
Sub Station Building
Near Gate No.2 of MPT
Mormugao, Goa-403803, India
CIN No. U61100GJ2009PTC057727

Tel +91 832 2579200
Fax +91 832 2579299
info@adani.com
www.adani.com

Registered Office: Adani Corporate House*, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382421, Gujarat

o/c



GOA
State Pollution Control Board

Online Consent Management & Monitoring System

Ministry of Environment, Forest and Climate Change
Government of India



Home

Consent Management

BANK GURANTIEE

Environmental Statement

Monitoring Report

Logout

➤ Add Environment Statement

➤ Delete In-Progress
Environment Statement

Send us your feedback
and suggestions



click here for any kind
complaints or query



Welcome ADANI MURMUGAO PORT TERMINAL PVT. LTD

Date : 21-9-2020

Application No : **673452**

You have successfully submitted Environmental Statement for this duration 2019-2020.
[View Environment Statement](#)



GOA STATE POLLUTION CONTROL BOARD

FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process : ADANI MURMUGAO PORT TERMINAL PVT. LTD
- (ii) Industry category Primary-(STC Code) : RED, Ports and harbour, jetties and Secondary-(STC Code) dredging operations
- (iii) Production capacity : 4.8 Million Tonnes

Production Name	Production Capacity	Production Unit
Handling of Coal	4.8	Metric Tonnes/Year

- (iv) Year of establishment : 2013
- (v) Date of the last environment statement submitted : 25/09/2019

PART B

1. Water consumption m³/ d

Process : Nil

Cooling : 263.88

Domestic : 38.51

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
Handling of Coal	0.030 m ³ /MT	0.027 m ³ /MT

2. Raw material consumption

Name of raw materials	Name of products	Consumption of raw material per unit	
		During the previous financial year	During the current financial year
NIL	NIL	NIL /	NIL

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged(mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
Water	No effluent discharged to environment		
Water	No effluent discharged to the environment	-	-
Air	DG sets are provided as standby power source and were used during power failure. The Height of DG stacks are as per CPCB/GSPCB Standards. All the monitored parameters are within standards.		
Air	DG STACK 1 (2000 KVA)- June-2019	PM-21.33 mg/Nm ³ , NOx- 33.49 ppm, CO- 21.32 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.018%	-
Air	DG STACK 1 (2000 KVA)- Sep-2019	PM-19.41 mg/Nm ³ , NOx- 38.45 ppm, CO- 16.03 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.019%	-
Air	DG STACK 1 (2000 KVA)- Dec-2019	PM-24.81 mg/Nm ³ , NOx- 35.44 ppm, CO- 14.72 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.015%	-
Air	DG STACK 1 (2000 KVA)- Mar-2020	PM-19.38 mg/Nm ³ , NOx- 32.29 ppm, CO- 16.88 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.016%	-
Air	DG STACK 2 (2000 KVA)- June-2019	PM-18.23 mg/Nm ³ , NOx- 29.31 ppm, CO- 19.63 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.015%	-
Air	DG STACK 2 (2000 KVA)- Sep-2019	PM-15.72 mg/Nm ³ , NOx- 35.46 ppm, CO- 13.98 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.017%	-

Air	DG STACK 2 (2000 KVA)- Dec-2019	PM-20.54 mg/Nm ³ , NOx- 32.82 ppm, CO- 15.95 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.018%	-
Air	DG STACK 2 (2000 KVA)- Mar-2020	PM-16.62 mg/Nm ³ , NOx- 28.62 ppm, CO- 14.22 mg/Nm ³ , NMHC- BDL, Sulfur in fuel- 0.013%	-
Air	DG STACK 3 (380 KVA)- June-2019	PM- 0.0015 g/kw-hr, NOx-0.0047 g/kw-hr, CO-0.0014 g/kw-hr, HC- BDL, SO ₂ - 0.0005 Kg/hr	-
Air	DG STACK 3 (380 KVA)- Sep-2019	PM- 0.0011 g/kw-hr, NOx-0.0048 g/kw-hr, CO-0.0009 g/kw-hr, HC- BDL, SO ₂ - 0.0006 Kg/hr	-
Air	DG STACK 3 (380 KVA)- Dec-2019	PM- 0.0022 g/kw-hr, NOx-0.0063 g/kw-hr, CO-0.0014 g/kw-hr, HC- BDL, SO ₂ - 0.0010 Kg/hr	-
Air	DG STACK 3 (380 KVA)- Mar-2020	PM- 0.0015 g/kw-hr, NOx-0.0052 g/kw-hr, CO-0.0012 g/kw-hr, HC- BDL, SO ₂ - 0.0005 Kg/hr	-

PART D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	A). Cat. 5.1 Used Oil - 1.08 MT B). Cat. 5.2 Cotton Waste contaminated with Oil - 0.05 MT	A). Cat. 5.1 Used Oil - 1.62 MT. B). Cat 5.2 Cotton Waste Contaminated with Oil - 0.226 MT
(b) From pollution control facilities	Nil	Nil

PART E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	Nil	Nil
(b) From pollution control facility	Nil	Nil
(c)(1) Quantity recycled or re-utilised within the unit	Nil	Nil
(2) Sold	Nil	Nil
(3) Disposed	Nil	Nil

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 • Hazardous waste includes used oil (Cat 5.1) and cotton waste contaminated with oil (Cat 5.2). Used oil and the oil soaked cotton waste generated during various maintenance activities are collected in barrels kept in earmarked covered hazardous waste storage area & disposed of through GSPCB authorized – registered recycler.

- The used batteries and E -waste also stored in workshop storage area and disposed of through approved vendor.
- Hazardous waste return in Form 4 was submitted in line with the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016.
- E-waste return in Form 3 was submitted in line with the E-waste Management Rules 2016
- Solid Waste includes mainly domestic waste (office & kitchen waste) which is disposed through Mormugao Municipal Council (In FY 19-20 0.029 MT of food waste was disposed).

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 PWD Baina. The treated water is being reused within port premises. Unit has developed adequate green belt within port premises. .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution • Unit is undertaking Regular Environmental Monitoring of port & surrounding area through MoEF&CC recognized laboratory. All the monitored 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) for the parameters SO₂, NO_x, PM₁₀ & PM_{2.5} and the monitored real time data has been connected with GSPCB server.
- Coal Stacks are kept covered with tarpaulin at all time, except during loading and unloading and adequate Sprinkling is carried out continuously during loading and unloading.
- 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 sprinkling to control the dust exposure. Wind screen covered with agronet/ jute cloth is provided around the periphery of coal yard.
- Unit has installed 2 cameras in coal stack yard and its online connectivity has been provided to GSPCB.
- As a precautionary measure an anemometer has been installed along with a hooter on Substation building and three different alert levels have been configured in PLC based on the Wind speed as follows:
 - For 25km/h to 27.99km/h - Hooter blows for 5 Seconds followed by a 1 Second Stop and the same repeats.
 - For 28km/h to 29.99km/h - The Hooter blows for 2 Seconds followed by a 1 second stop and the same repeats.
 - For Above 30km/h - The Hooter continuously blows without any stop.
- Unit has taken continuous steps for developing green belt area within port premises. Vertical garden has also been developed as part of Environment Initiatives.

PART I

Any other particulars for improving the quality of the environment • Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.

- Integrated Management System (ISO 9001:2015, 14001:2015 and 45001:2018) certified Port
- Working towards achieving “Zero Waste Inventory” as per our Group Environment Policy and all wastes are being handled in line with 5R Principle.