

# adani<sup>®</sup>

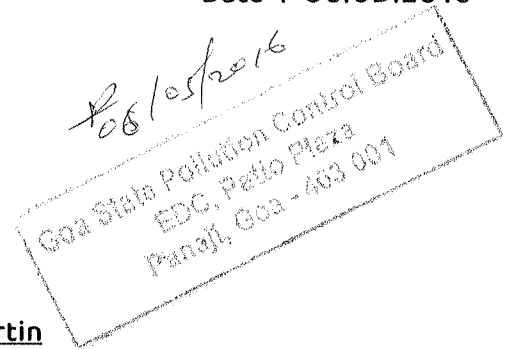
Date : 06.05.2016

To,

Goa State Pollution Control Board,  
1<sup>st</sup> Floor, Dempo Towers, EDC Patto Plaza, Panaji,  
Goa - 403 001

Dear Sir,

**Kind Attn: Mr. Levinson J. Martin**



**Sub:** Environmental Statement for the financial year ending 31<sup>st</sup> March, 2016 for M/s  
**Adani Mormugao Port Terminal Pvt. Ltd**

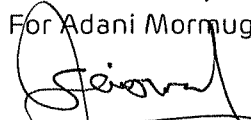
**Ref:** Consent order No. 5/356/10-PCB/CT-1597

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) Rule 1986, for M/s **Adani Mormugao Port Terminal Pvt. Ltd, Berth No-7 Of MoPT, Mormugao Harbour, Goa** for the financial year ending 31<sup>st</sup> March 2016.

Thanking You,

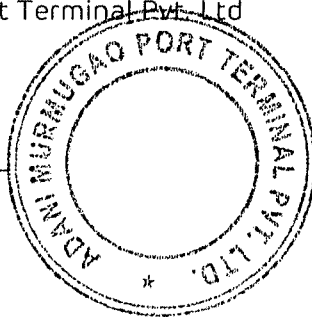
Yours Faithfully,

For Adani Mormugao Port Terminal Pvt. Ltd



(Sandeep Jaiswal)

G.M - Operation, AMPTPL



Encl: As above.

Adani Mormugao Port Terminal Pvt Ltd. Tel: - +91 832 2594253  
Ground Floor Fax: - +91 832 2594253  
Port Users Complex info @adani.com  
Mormugao Harbour 403 803 [www.adani.com](http://www.adani.com)  
Goa , India

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

**Environment Statement for FY 2015-16 for Adani Mormugoa Port Private Limited**

**FORM V  
(See Rule 14)**

**PART- A**

- (i) Name and address of the owner/ Occupier of the Industry, operation or process : H.R Venkatesh  
Business Head  
Adani Mormugoa Port Private Limited  
Berth No 7, Mormugoa Harbour,  
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 : 28.09.2015

**PART- B**

**WATER AND RAW MATERIAL CONSUMPTION**

**(i) Water consumption**

Water Consumption Cu.Mtr./Day	
Process	Nil
Cooling:	130 m3/day
Domestic	26 m3/day

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year ( 2014-15)	During the Current Financial Year (2015-16)
Handling of Coal.	0.036 m3/ MT	0.02 m3/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 (2014-15)	During the current financial year (2015-16)
Nil	NA	Nil	Nil

- Unit does not go under any manufacturing process. The water consumed is mainly in Firefighting ,Dust suppression system, Road spraying, 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)**

Pollutants	Quality of Pollutants Discharged (Mass/day)	Concentration of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standards
a) Water	There is no any 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/GPCB Standards. All the monitored parameters are within standards		
Particulate Matter (mg/Nm <sup>3</sup> )	DG set emission report is enclosed as Annexure 1		
Sulphur Dioxide (PPM)			
Nitrogen Oxide (PPM)			

**PART- D**

**HAZARDOUS WASTES**

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

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year ( 2014-15)	During the current financial year ( 2015-16)
(a)From Process	0.27 MT used oil	0.820 MT used oil
(b)From pollution Control facilities	NA	NA

**PART- E**

**SOLID WASTES**

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the Previous Financial Year (2014-15)	During the Current Financial Year ( 2015-16)
(a) From Pollution Control Equipment	Nil	Nil
(b) From Process	0.27 MT used oil	0.820 MT used oil
(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.

- Used oil was generated from various maintenance activities which was collected in barrels kept in covered hazardous waste storage area & will 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.

#### 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 started developing green belt within port premises.

#### PART- H

Additional measures/investment proposal for environmental protection including statement of pollution, prevention of pollution.

- Unit is doing Regular Environmental Monitoring of port & surrounding area through recognized Laboratory certified by MoEF. All the required environmental parameters are well within specified limit & the details of monitored data is regularly submitting to GSPCB, CPCB, MoEF & other concerned authorities.
- 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: 5/5/16

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

Name : Sandeep Jaiswal

Designation : G M Operation

Address : Port User Complex, Ground floor, Mormugoa Harbour.



**TEST CERTIFICATE**

Customer's Name and Address :

QR/5.10/01

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M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL) GROUND FLOOR, PORT USERS COMPLEX, NEAR STATE BANK OF INDIA, MORMUGAO HARBOUR, GOA – 403 803, INDIA TEL NO. 832-2594253	Test Report No. : PL/AG 0100A Issue Date : 30/04/2015 Customer's Ref. : As per W.O.
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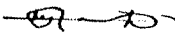
**STACK DETAILS**

Location of Sampling : DG Set (380 KVA)	Sampling Procedure : As per table
Date of Sampling : 26/04/2015	Protocol (purpose) : DG Stack Gas Monitoring
Sampling By : Pollucon Laboratories Pvt. Ltd.	Lab ID : AGA/1504/32A [A - E]
Sample Receipt Date : 28/04/2015	Date of Completion : 30/04/2015
Date of Starting of Test : 28/04/2015	Fuel Used** : High Speed Diesel

**RESULT TABLE**

SR. NO.	TEST PARAMETER	UNIT	RESULTS	LIMIT <sup>#</sup>	TEST/SAMPLING METHOD
1	Particulate Matter	g/kw-hr	0.0111	0.3	IS:11255 (Part-I):1985
2	Sulphur Dioxide	Kg/Hr	0.0013	1.8	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	g/kw-hr	0.0082	9.2	IS:11255 (Part-VII):2005
4	Hydro Carbon	g/kw-hr	BDL*	1.3	Digital Gas Analyzer
5	Carbon Monoxide	g/kw-hr	0.0025	3.5	Digital Gas Analyzer

BDL\*: Below Detection Limit \*\*Details provided by customer. Results on 11 % O<sub>2</sub> Correction when Oxygen is greater than 11 %  
# as per consent order no. 5/356/10-PCB/11877, date:08/01/2014

  
H. T. Shah  
Lab Manager

  
Dr. Arun Bajpai  
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

**POLLUGON**

**TEST CERTIFICATE**

Customer's Name and Address :

QR/5.10/01

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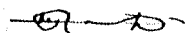
<b>M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL)</b> <b>GROUND FLOOR, PORT USERS COMPLEX,</b> <b>NEAR STATE BANK OF INDIA,</b> <b>MORMUGAO HARBOUR, GOA – 403 803, INDIA</b> <b>TEL NO. 832-2594253</b>	<b>Test Report No. : PL/AG 0100B</b>  <b>Issue Date : 30/04/2015</b>  <b>Customer's Ref. : As per W.O.</b>
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**NOISE LEVEL MONITORING REPORT**

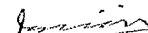
Type of Sample	: DG Set Noise Monitoring	Test Method	: IS:11702
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**RESULT TABLE**

SR. NO.	SAMPLING LOCATION	DATE OF SAMPLING	Noise Level Average Leq dB(A)
			Outside DG Room 1 m distance
1	DG Set (380 KVA)	26/04/2015	72.7



**H. T. Shah**  
Lab Manager



**Dr. Arun Bajpai**  
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

# POLLUCON LABORATORIES PVT. LTD.

## TEST CERTIFICATE

Customer's Name and Address :

QR/5.10/01  
Page: 1 of 1

<b>M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL)</b> <b>GROUND FLOOR, PORT USERS COMPLEX,</b> <b>NEAR STATE BANK OF INDIA,</b> <b>MORMUGAO HARBOUR, GOA – 403 803, INDIA</b> <b>TEL NO. 832-2594253</b>	Test Report No. : <b>PL/AG 0106A</b> Issue Date : <b>31/07/2015</b> Customer's Ref. : <b>As per W.O.</b>
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### STACK DETAILS

Location of Sampling	: <b>DG Set (380 KVA)</b>	Sampling Procedure	: <b>As per table</b>
Date of Sampling	: <b>27/07/2015</b>	Protocol (purpose)	: <b>DG Stack Gas Monitoring</b>
Sampling By	: <b>Pollucon Laboratories Pvt. Ltd.</b>	Lab ID	: <b>AGA/1507/24A [A - E]</b>
Sample Receipt Date	: <b>29/07/2015</b>	Date of Completion	: <b>31/07/2015</b>
Date of Starting of Test	: <b>29/07/2015</b>	Fuel Used**	: <b>High Speed Diesel</b>

### RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	g/kw-hr	0.0095	0.3	IS:11255 (Part-I):1985
2	Sulphur Dioxide	Kg/Hr	0.0013	1.8	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	g/kw-hr	0.0108	9.2	IS:11255 (Part-VII):2005
4	Hydro Carbon	g/kw-hr	BDL*	1.3	Digital Gas Analyzer
5	Carbon Monoxide	g/kw-hr	0.0027	3.5	Digital Gas Analyzer

BDL\*: Below Detection Limit \*\*Details provided by customer. Results on 11 % O<sub>2</sub> Correction when Oxygen is greater than 11 %  
 # as per consent order no. 5/356/10-PCB/11877, date:08/01/2014

  
**H. T. Shah**  
**Lab Manager**

  
**Dr. Arun Bajpai**  
**Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

**TEST CERTIFICATE**

Customer's Name and Address :

QR/5.10/01

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M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL) GROUND FLOOR, PORT USERS COMPLEX, NEAR STATE BANK OF INDIA, MORMUGAO HARBOUR, GOA – 403 803, INDIA TEL NO. 832-2594253	Test Report No. : PL/AG 0106B Issue Date : 31/07/2015 Customer's Ref. : As per W.O.
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**NOISE LEVEL MONITORING REPORT**

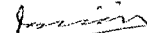
Type of Sample : DG Set Noise Monitoring	Test Method : IS:11702
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**RESULT TABLE**

SR. NO.	SAMPLING LOCATION	DATE OF SAMPLING	Noise Level Average Leq dB(A)
			Outside DG Room 1 m distance
1	DG Set (380 KVA)	27/07/2015	70.4



**H. T. Shah**  
Lab Manager



**Dr. Arun Bajpai**  
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.



POLLUCON LABORATORIES

**TEST CERTIFICATE**

Customer's Name and Address :

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<b>M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL)</b> GROUND FLOOR, PORT USERS COMPLEX, NEAR STATE BANK OF INDIA, MORMUGAO HARBOUR, GOA – 403 803, INDIA TEL NO. 832-2594253	Test Report No. : <b>PL/AG 0107</b>
	Issue Date : <b>21/12/2015</b>
	Customer's Ref. : <b>As per W.O.</b>

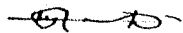
**STACK DETAILS**

Location of Sampling : <b>DG Set (380 KVA)</b>	Sampling Procedure : <b>As per table</b>
Date of Sampling : <b>17/12/2015</b>	Protocol (purpose) : <b>DG Stack Gas Monitoring</b>
Sampling By : <b>Pollucon Laboratories Pvt. Ltd.</b>	Lab ID : <b>AGA/1512/15A [A - E]</b>
Sample Receipt Date : <b>19/12/2015</b>	Date of Completion : <b>21/12/2015</b>
Date of Starting of Test : <b>19/12/2015</b>	Fuel Used** : <b>High Speed Diesel</b>

**RESULT TABLE**

Sr. No.	TEST PARAMETER	UNIT	RESULTS	LIMIT <sup>#</sup>	TEST/SAMPLING METHOD
1	Particulate Matter	g/kw-hr	0.0123	0.3	IS:11255 (Part-I):1985
2	Sulphur Dioxide	Kg/Hr	0.0010	1.8	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	g/kw-hr	0.0144	9.2	IS:11255 (Part-VII):2005
4	Hydro Carbon	g/kw-hr	BDL*	1.3	Digital Gas Analyzer
5	Carbon Monoxide	g/kw-hr	0.0023	3.5	Digital Gas Analyzer

BDL\*: Below Detection Limit \*\*Details provided by customer. Results on 11 % O<sub>2</sub> Correction when Oxygen is greater than 11 %  
 # as per consent order no. 5/356/10-PCB/11877, date:08/01/2014

  
**H. T. Shah**  
 Lab Manager

  
**Dr. Arun Bajpai**  
 Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

### TEST CERTIFICATE

Customer's Name and Address :

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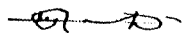
<b>M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL)</b> <b>GROUND FLOOR, PORT USERS COMPLEX,</b> <b>NEAR STATE BANK OF INDIA,</b> <b>MORMUGAO HARBOUR, GOA – 403 803, INDIA</b> <b>TEL NO. 832-2594253</b>	Test Report No. : <b>PL/AG 0108</b>
	Issue Date : <b>21/12/2015</b>
	Customer's Ref. : <b>As per W.O.</b>

### NOISE LEVEL MONITORING REPORT

Type of Sample	: DG Set Noise Monitoring	Test Method	: IS:11702
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#### RESULT TABLE

SR. NO.	SAMPLING LOCATION	DATE OF SAMPLING	Noise Level Average Leq dB(A)
			Outside DG Room 1 m distance
1	DG Set (380 KVA)	17/12/2015	68.9

  
**H. T. Shah**  
**Lab Manager**

  
**Dr. Arun Bajpai**  
**Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

**TEST CERTIFICATE**

Customer's Name and Address :

QR/5.10/01

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M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL) GROUND FLOOR, PORT USERS COMPLEX, NEAR STATE BANK OF INDIA, MORMUGAO HARBOUR, GOA – 403 803, INDIA TEL NO. 832-2594253	Test Report No. : PL/AG 0008
	Issue Date : 25/03/2016
	Customer's Ref. : As per W.O.

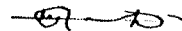
**STACK DETAILS**

Location of Sampling : DG Set (380 KVA)	Sampling Procedure : As per table
Date of Sampling : 19/03/2016	Protocol (purpose) : DG Stack Gas Monitoring
Sampling By : Pollucon Laboratories Pvt. Ltd.	Lab ID : AGA/1603/17A [A - E]
Sample Receipt Date : 22/03/2016	Date of Completion : 24/03/2016
Date of Starting of Test : 22/03/2016	Fuel Used** : High Speed Diesel

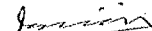
**RESULT TABLE**

SR. NO.	TEST PARAMETER	UNIT	RESULTS	LIMIT <sup>#</sup>	TEST/SAMPLING METHOD
1	Particulate Matter	g/kw-hr	0.0111	0.3	IS:11255 (Part-I):1985
2	Sulphur Dioxide	Kg/Hr	0.0016	1.8	IS:11255 (Part-II):1985
3	Oxide of Nitrogen	g/kw-hr	0.0152	9.2	IS:11255 (Part-VII):2005
4	Hydro Carbon	g/kw-hr	BDL*	1.3	Digital Gas Analyzer
5	Carbon Monoxide	g/kw-hr	0.0020	3.5	Digital Gas Analyzer

BDL\*: Below Detection Limit \*\*Details provided by customer. Results on 11 % O<sub>2</sub> Correction when Oxygen is greater than 11 %  
# as per consent order no. 5/356/10-PCB/11877, date:08/01/2014



H. T. Shah  
Lab Manager



Dr. Arun Bajpai  
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

**TEST CERTIFICATE**

Customer's Name and Address :

QR/5.10/01

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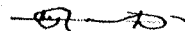
M/s. ADANI MURMUGAO PORT TERMINAL PVT. LTD. (AMPTPL) GROUND FLOOR, PORT USERS COMPLEX, NEAR STATE BANK OF INDIA, MORMUGAO HARBOUR, GOA – 403 803, INDIA TEL NO. 832-2594253	Test Report No. : PL/AG 0009 Issue Date : 25/03/2016 Customer's Ref. : As per W.O.
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**NOISE LEVEL MONITORING REPORT**

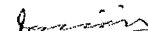
Type of Sample : DG Set Noise Monitoring	Test Method : IS:11702
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**RESULT TABLE**

SR. NO.	SAMPLING LOCATION	DATE OF SAMPLING	Noise Level Average Leq dB(A)
			Outside DG Room 1 m distance
1	DG Set (380 KVA)	19/03/2016	73.2



**H. T. Shah**  
Lab Manager



**Dr. Arun Bajpai**  
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.