

To,
The Member Secretary
Pollution Control Board Assam
Bamunimaidam, Guwahati – 781021

Subject: Submission of the Environmental Statement for the financial year ending 31st March 2022 for "Lokpriya Gopinath Bordoloi International Airport" Guwahati, by M/s Guwahati International Airport Limited (GIAL)

Ref: Consolidated Consent to Operate and Authorization vide letter no. WB/GUW/T-4105/20-21/18/272, dated 06th May 2022

Dear Sir,

With reference to the above subject, GIAL, the operator of Lokpriya Gopinath Bordoloi International Airport, wishes to hereby submit the Environmental Statement in Form V, prescribed under Rule 14 of the Environment (Protection) Rules 1986, for Lokpriya Gopinath Bordoloi International Airport, Guwahati for the financial year 2021-2022 ending on March 31st, 2022.

Kindly consider the above submission and acknowledge it.

Thanking you,

Yours Sincerely



Utpal Baruah
Chief Airport Officer
Guwahati International Airport Limited
LGBI Airport Guwahati.

Encl: As mentioned above.

CC:

1. Regional Officer, Regional Office, Pollution Control Board Assam

Guwahati International Airport Limited
(Formerly known as Adani Guwahati International Airport Ltd.)
GIAL Building
Lokpriya Gopinath Bordoloi International Airport,
(Opposite to Domestic Cargo Terminal)
Guwahati – 781 015
Assam, India
CIN: U6303GJ2019PLC110032

Tel +91 0361 2840009
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Email: cao.guwahatiairport@adani.com
Website: www.adani.com/lgbia-guwahati-airport

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

FORM V
(See Rule 14)

Environmental Statement for the period from OCT 2021 (COD) to 31st March 2022

PART - A

- (i) Name and address of the Owner/
Occupier of the Industry Operation or
Process : Mr. Utpal Baruah
Chief Airport Officer
Guwahati International Airport Ltd(GIAL)
Lokpriya Gopinath Bordoloi International Airport
Borjhar, Guwahati
Kamrup, Assam
781017
- (ii) Industry Category : Red-Large
Primary (STC Code) : NA
Secondary (STC Code) : NA
- (iii) Production Capacity : No production as Airport is Service industry.
- (iv) Year of Establishment : Commercial Date of Operation (COD):
8th Oct 2021
- (v) Date of last Environment Statement
submitted : GIAL has started its operation from 8th October
2021 (COD). This is the first Environment
Statement being submitted by GIAL.

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

PART - B

Water and Raw Material Consumption

(i) Water Consumption*

Water Consumption Cu. Mtr./Day	210 m3/day
Process	Nil
Domestic & cooling	210 m3/day

Details	Process Water Consumption per unit of products	
	During the current financial year (2020-21)	During the current financial year (2021-22)
Water consumption per Passenger Handled*	NA	NA

* Lokpriya Gopinath Bordoloi International Airport is an Airport service industry and does not carry out any manufacturing process. The water consumed was mainly in Domestic Purpose & Horticulture etc.

(ii) Raw Material Consumption

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of output	
		During the current financial year (2020-21)	During the current financial year (2021-22)
Not applicable	Not applicable	Not applicable	Not applicable

* Lokpriya Gopinath Bordoloi International Airport is an Airport service industry and does not undergo any manufacturing or production.

* The water consumed was mainly in Domestic Purpose & Horticulture etc.

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

PART - C

Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)		Concentrations of pollutants in discharges		Percentage of variation from prescribed standards with reasons
	Parameters	Avg. Mass Kg/Day	Parameters	Avg.	
(a) Waste Water	pH	--	pH	--	<ul style="list-style-type: none"> 100 KLD of STP (MBBR) is being under commissioning
	Total Suspended Solids	10.40	Total Suspended Solids (mg/l)	---	
	BOD (5 Days @ 20 °C)	2.77	BOD (5 Days @ 20°C) (mg/l)	---	
	Oil & Grease	<1.0	Oil & Grease (mg/l)	---	
	COD	18.09	COD (mg/l)	---	
(b) Air	Parameters	Avg. Mass Kg/Day	Parameters	Avg.	<ol 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 matters value within the prescribed limits stipulated by concerned regulatory authorities. As a part of Environment Monitoring programme, DG set flue gas monitoring is being carried out half yearly. The Analysis of the D.G Set Stack Monitoring has been done in the month of February 2022. DG Sets Stack Emission Results is enclosed as <i>Annexure-1</i> <p>There is no variation from prescribed standards in terms of Air quality</p>
	Particulate Matter (PM)	--	Particulate Matter (mg/Nm ³)	--	
	Sulphur Dioxide (SO ₂)	--	Sulphur Dioxide (PPM)	--	
	Nitrogen Oxide (NO _x)	--	Nitrogen Oxide (NO _x) (PPM)	--	

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

PART - D

Hazardous Wastes

(As specified under Hazardous & Other waste Wastes Management 2016)

Hazardous Wastes	Total Quantity (MT)	
	During the current financial year (2020-21)	During the current financial year (October-21 (COD) to March 2022)
(a) From Process	NA	Lokpriya Gopinath Bordoloi International Airport is an Airport service industry and does not undergo any manufacturing or production. There is no process hazardous waste generation & disposal. However Hazardous Waste is being generated through DG Set, vehicle & equipment maintenance. Details given Annexure-2
(b) From Pollution Control facilities	Not applicable	Not applicable

PART - E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the current financial year (2020-21)	During the current financial year (2021-22)
(a) From Process	NA	Refer Annexure - 3
(b) From Pollution Control facilities	Not applicable	Not applicable

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

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:

- As a part of GIAL operation, an effective Solid Waste Management plan has been implemented at site, which includes:
 - ✓ Collection & Segregation of waste from the source,
 - ✓ Providing separate waste bins (for dry & wet waste) at all the locations including Airside , Landside & within the Terminals
 - ✓ Well demarcated four waste collection points nearby terminals, where the segregated waste are collected and from there, shifted to Waste yard situated at backend of the Airport.
 - ✓ Waste Yard with proper spacing has been provided for further segregation of Mixed Waste.
 - ✓ New Waste yard is under construction for enhance the facility.
 - ✓ COVID-waste is being proper managed inline to the regulatory requirements.
 - ✓ All the waste after proper segregation is being sent to the recognized agency M/s Minakshi das enterprise for further handling.
 - ✓ Hazardous Waste at GIAL is being managed inline to the Hazardous Waste Management Rules 2016.
- As part of way forward Guwahati International Airport Ltd has their future plans for managing it's wastes under 5 R principal and step ahead with a vision of Zero Waste to Landfill.

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

PART – G

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

- A sewage treatment plant (STP) (**Moving Bed Biofilm Reactor**), under development at GIAL for treating and handling the domestic sewage generated from airport premises.
- The treated waste water generated from the STP will be utilized for gardening and horticulture activity within GIAL premises to conserve the fresh water consumption.

Energy Savings

- Installed **300 KWP** of solar capacity as utilization of renewable source of energy for captive use which reduce the emission of CO₂.
- The conventional lights have been replaced with LED lights in all the possible locations at GIAL area which has reduced the total energy consumption.
- The temperature of the Chillers are increased from 7°C to 9°C as part of maintaining & controlling the temperature inside the Terminal.
- The number of chillers at airport premises has been reduced by combining the chiller lines of Arrival & Departure areas as part of energy conservation.
- Proactively controlled lighting systems are provided. The landside street lights are operating on timer basis according to the daylights.
- Sensitization of the team & continuous follow up is done for further improvising the Airport environmental & sustainability aspects.
- Timely maintenance of AHU's filters & coil, chillers, cooling towers is being carried out at GIAL. Regular monitoring is being carried out for the same.

Water Conservation:

- As part of water conservation, sensor based water taps has been under installation in all the washrooms of the Terminal building at GIAL
- For treatment of waste water 100 KLD STP under development & treated water from the STP will be utilized for gardening & horticulture purpose.
- Following safeguard measures are taken for abatement of dust and noise emissions:
 - ✓ Regular cleaning of roads
 - ✓ D.G. Set having acoustic enclosures
 - ✓ Adequate green cover of about 2 Acres has been developed

Air Management:

- Ambient Air Quality Monitoring is being carried out by MoEF&CC & NABL accredited laboratory and all the results are observed to be within Stipulated Standards
- Environment Monitoring for D.G Stack Flue Gas Emissions will be carried out by MoEF&CC and NABL accredited laboratory
- 10000 saplings have been put in the terminal to improve the indoor Air quality.

Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

Soil Management

- Environment Monitoring for Soil Analysis is being carried out by MoEF&CC and NABL accredited laboratory and all the results are under the norms inline to stipulated standards.

PART - H

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

- Non-destructive Wildlife Hazard Management techniques are being practiced at GIAL as part such as organic chemical spray to control weeds & grass.
- Airside inspection is practiced at regular intervals and accordingly the wild animals such as Jackals etc. are relocated to the safer areas (forest areas) to protect them from any accidents.
- GIAL has developing & maintaining an adequate Green Belt Area and also developed a closed nursery at airport site.

PART - I

Any other particulars for improving the quality of environment:

- Monitoring of environmental parameters such as Air, Noise, waste water and soil quality being done regular basis through MoEF & NABL recognized laboratory.
- GIAL Budget for environmental management measures for the FY 2021-22 of **INR 80 lakhs** was spent. Enclosed as **Annexure-4**



Date : 29/9/2022

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

Designation : **Chief Airport Officer**

Mr. Utpal Baruah

Address: Lokpriya Gopinath Bordoloi International Airport
Borjhar, Guwahati

TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/743
	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-2(200 KVA)
	Sample Drawn On	: 31.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02478
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

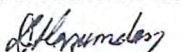
ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	: Hanger DG-2(200 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 200 KVA		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 5.0 m		
2.	Diameter of the stack at sampling point	: 0.20 m		
3.	Area of Stack	: 0.0314 m ²		
C.	Analysis/Characteristic of stack:			
	8. Fuel used	: Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	54	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	19.4	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	2628	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.2	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.110	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	6.0	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	17.5	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.248	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.052	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



 Authorized Signatory

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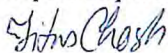
TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/742
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-1(200 KVA)
	Sample Drawn On	: 31.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02477
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

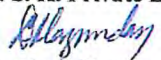
ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	: Hanger DG-1(200 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 200 KVA		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 5.0 m		
2.	Diameter of the stack at sampling point	: 0.20 m		
3.	Area of Stack	: 0.0314 m ²		
C.	Analysis/Characteristic of stack:			
	7. Fuel used : Diesel			
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	62	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	17.5	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1730	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.4	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.118	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	6.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	19.3	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.268	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.056	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/741
	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-2(320 KVA)
	Sample Drawn On	: 31.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02476
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	<u>General information about stack :</u>		
1.	Stack connected to	: Radar DG-2(320 KVA)	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack : MS		
4.	Shape of Stack : Circular		
5.	Whether stack is provided with permanent platform & ladder : Yes		
6.	DG capacity	: 320 KVA	
B.	<u>Physical characteristics of stack :</u>		
1.	Height of the stack from ground level	: 12.0 m	
2.	Diameter of the stack at sampling point	: 0.2032 m	
3.	Area of Stack	: 0.0324 m ²	
C.	<u>Analysis/Characteristic of stack:</u>		
	6. Fuel used : Diesel		
D.	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>
			<u>Method</u>
1.	Temperature of emission (0C)	69	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	20.3	...
4.	Quantity of Gas Flow (Nm ³ /hr)	2031	...
5.	Concentration of Oxygen (%v/v)	13.2	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.178	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	6.0	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	24.7	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.276	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.088	≤ 0.2
E.	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :

Jitendra Choudhary

For Mitra S. K. Private Limited

Bhaskar Choudhary
 Authorized Signatory

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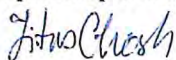
TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/740
	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-1(320 KVA)
	Sample Drawn On	: 31.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02475
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: Radar DG-1(320 KVA)	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack : MS		
4.	Shape of Stack : Circular		
5.	Whether stack is provided with permanent platform & ladder : Yes		
6.	DG capacity	: 320 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 12.0 m	
2.	Diameter of the stack at sampling point	: 0.2032 m	
3.	Area of Stack	: 0.0324 m ²	
C.	Analysis/Characteristic of stack:		
	5. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	73	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	18.6	...
4.	Quantity of Gas Flow (Nm ³ /hr)	1838	...
5.	Concentration of Oxygen (%v/v)	13.4	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.182	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	6.2	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	25.3	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.286	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.098	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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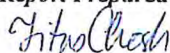
TEST REPORT

Name & Address of the Customer "ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/739
	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-4(750 KVA)
	Sample Drawn On	: 30.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02474
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

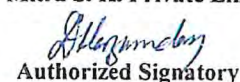
ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: Power House DG-4(750 KVA)	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	4. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	148	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	20.6	...
4.	Quantity of Gas Flow (Nm ³ /hr)	5138	...
5.	Concentration of Oxygen (%v/v)	14.0	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.226	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.2	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	32.7	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.539	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.137	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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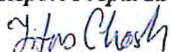
TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/738
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-3(750 KVA)
	Sample Drawn On	: 30.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02473
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: Power House DG-3(750 KVA)	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	3. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	143	... USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	... USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	21.6	... USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5391	... USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.6	... IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.232	≤ 3.5 IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.4	... IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	36.2	... USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.552	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.142	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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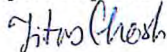
TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/737
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-2(750 KVA)
	Sample Drawn On	: 30.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02472
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	<u>General information about stack :</u>			
1.	Stack connected to	: Power House DG-2(750 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 750 KVA		
B.	<u>Physical characteristics of stack :</u>			
1.	Height of the stack from ground level	: 15.0 m		
2.	Diameter of the stack at sampling point	: 0.3556 m		
3.	Area of Stack	: 0.0994 m ²		
C.	<u>Analysis/Characteristic of stack:</u>			
	2. Fuel used : Diesel			
D.	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>	<u>Method</u>
1.	Temperature of emission (0C)	136	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.9	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5356	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	14.0	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.228	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.0	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	31.7	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.546	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.132	≤ 0.2	USEPA Part-17, 16/08/1996
E.	<u>Pollution control device</u>			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



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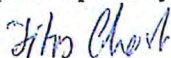
TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/736
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 24.01.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-1(750 KVA)
	Sample Drawn On	: 30.12.2021
	Sample Number	: MSKGL/ED/2021-22/01/02471
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	<u>General information about stack :</u>			
1.	Stack connected to	: Power House DG-1(750 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 750 KVA		
B.	<u>Physical characteristics of stack :</u>			
1.	Height of the stack from ground level	: 15.0 m		
2.	Diameter of the stack at sampling point	: 0.3556 m		
3.	Area of Stack	: 0.0994 m ²		
C.	<u>Analysis/Characteristic of stack:</u>			
	1. Fuel used : Diesel			
D.	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>	<u>Method</u>
1.	Temperature of emission (0C)	154	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.5	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5051	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.8	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.224	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	32.7	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.534	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.136	≤ 0.2	USEPA Part-17, 16/08/1996
E.	<u>Pollution control device</u>			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



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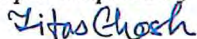
TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/860
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-4(750 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01483
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	:	Power House DG-4(750 KVA)	
2.	Emission due to	:	Diesel Burning	
3.	Material of construction of Stack	:	MS	
4.	Shape of Stack	:	Circular	
5.	Whether stack is provided with permanent platform & ladder	:	Yes	
6.	DG capacity	:	750 KVA	
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	:	15.0 m	
2.	Diameter of the stack at sampling point	:	0.3556 m	
3.	Area of Stack	:	0.0994 m ²	
C.	Analysis/Characteristic of stack:			
	4.	Fuel used	:	Diesel
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	162	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.7	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	4996	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	14.2	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.224	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.0	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	31.8	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.541	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.135	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/861
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-1(320 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01484
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A. General information about stack :			
1. Stack connected to	: Radar DG-1(320 KVA)		
2. Emission due to	: Diesel Burning		
3. Material of construction of Stack :	MS		
4. Shape of Stack :	Circular		
5. Whether stack is provided with permanent platform & ladder :	Yes		
6. DG capacity	: 320 KVA		
B. Physical characteristics of stack :			
1. Height of the stack from ground level	: 12.0 m		
2. Diameter of the stack at sampling point	: 0.2032 m		
3. Area of Stack	: 0.0324 m ²		
C. Analysis/Characteristic of stack:			
5. Fuel used :	Diesel		
D. Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1. Temperature of emission (0C)	71	...	USEPA Part 2, 25.09.1996
2. Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3. Velocity of gas (m/sec.)	18.4	...	USEPA Part 2, 25.09.1996
4. Quantity of Gas Flow (Nm ³ /hr)	1828	...	USEPA Part 2, 25.09.1996
5. Concentration of Oxygen (%v/v)	13.2	...	IS:13270 :1992 Reaff, 2014
6. Concentration of Carbon Monoxide (g/kW-hr)	0.178	≤ 3.5	IS:13270 :1992 Reaff, 2014
7. Concentration of Carbon Dioxide (%v/v)	6.0	...	IS:13270 :1992 Reaff, 2014
8. Concentration of Sulphur Dioxide (mg/Nm ³)	23.8	...	USEPA Part-6, 25/09/1996
9. Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.282	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10. Concentration of Particulate matter (g/kW-hr)	0.092	≤ 0.2	USEPA Part-17, 16/08/1996
E. Pollution control device	Details of pollution control devices attached with the stack : Nil		
F. Remarks :	Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/863
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-1(200 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01486
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		


ANALYSIS RESULT

A.	<u>General information about stack :</u>			
1.	Stack connected to	:	Hanger DG-1(200 KVA)	
2.	Emission due to	:	Diesel Burning	
3.	Material of construction of Stack : MS			
4.	Shape of Stack : Circular			
5.	Whether stack is provided with permanent platform & ladder : Yes			
6.	DG capacity	:	200 KVA	
B.	<u>Physical characteristics of stack :</u>			
1.	Height of the stack from ground level	:	5.0 m	
2.	Diameter of the stack at sampling point	:	0.20 m	
3.	Area of Stack	:	0.0314 m ²	
C.	<u>Analysis/Characteristic of stack:</u>			
	7. Fuel used : Diesel			
D.	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>	<u>Method</u>
1.	Temperature of emission (0C)	63	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	17.5	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1727	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.2	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.116	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	6.0	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	18.7	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.262	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.052	≤ 0.2	USEPA Part-17, 16/08/1996
E.	<u>Pollution control device</u>			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S.K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/864
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-2(200 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01487
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	: Hanger DG-2(200 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 200 KVA		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 5.0 m		
2.	Diameter of the stack at sampling point	: 0.20 m		
3.	Area of Stack	: 0.0314 m ²		
C.	Analysis/Characteristic of stack:			
	8. Fuel used	: Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	64	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	14.6	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1437	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.0	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.108	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	6.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	17.4	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.242	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.048	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited


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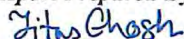
TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/859
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-3(750 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01482
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	: Power House DG-3(750 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack : MS			
4.	Shape of Stack : Circular			
5.	Whether stack is provided with permanent platform & ladder : Yes			
6.	DG capacity	: 750 KVA		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 15.0 m		
2.	Diameter of the stack at sampling point	: 0.3556 m		
3.	Area of Stack	: 0.0994 m ²		
C.	Analysis/Characteristic of stack:			
	3. Fuel used : Diesel			
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	155	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.8	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5088	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.4	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.228	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	37.4	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.556	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.148	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/858
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-2(750 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01481
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	: Power House DG-2(750 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 750 KVA		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 15.0 m		
2.	Diameter of the stack at sampling point	: 0.3556 m		
3.	Area of Stack	: 0.0994 m ²		
C.	Analysis/Characteristic of stack:			
	2.	Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	158	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.8	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5054	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.8	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.226	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	30.8	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.542	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.130	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :

Nitas Ghosh

For Mitra S.K. Private Limited


 Authorized Signatory

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TEST REPORT

Name & Address of the Customer "ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/857
	Report Date	: 23.02.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: DG-1(750 KVA)
	Sample Drawn On	: 31.01.2022
	Sample Number	: MSKGL/ED/2021-22/02/01480
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	: Power House DG-1(750 KVA)		
2.	Emission due to	: Diesel Burning		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: 750 KVA		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 15.0 m		
2.	Diameter of the stack at sampling point	: 0.3556 m		
3.	Area of Stack	: 0.0994 m ²		
C.	Analysis/Characteristic of stack:			
	I. Fuel used : Diesel			
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	161	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.83	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5039	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.6	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.220	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.4	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	33.5	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.541	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.132	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



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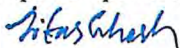
TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/1273
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-2
	Sample Drawn On	: 22.02.2022
	Sample Number	: MSKGL/ED/2021-22/02/02550
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: POWER HOUSE DG-2	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	8. Fuel used	: Diesel	
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	161	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	21.24	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5136	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	14.2	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.270	≤ 3.5 IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.4	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	34.7	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.551	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.139	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/1272
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-3
	Sample Drawn On	: 22.02.2022
	Sample Number	: MSKGL/ED/2021-22/02/02549
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	<u>General information about stack :</u>		
1.	Stack connected to	: POWER HOUSE DG-3	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	<u>Physical characteristics of stack :</u>		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	<u>Analysis/Characteristic of stack:</u>		
	7. Fuel used : Diesel		
D.	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>
			<u>Method</u>
1.	Temperature of emission (0C)	163	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	21.48	...
4.	Quantity of Gas Flow (Nm ³ /hr)	5173	...
5.	Concentration of Oxygen (%v/v)	13.8	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.273	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.6	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	35.4	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.562	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.147	≤ 0.2
E.	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/1271
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-4
	Sample Drawn On	: 22.02.2022
	Sample Number	: MSKGL/ED/2021-22/02/02548
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: POWER HOUSE DG-4	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	6. Fuel used	: Diesel	
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	164	... USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	... USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	21.39	... USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5138	... USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	14.0	... IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.254	≤ 3.5 IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.4	... IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	36.1	... USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.575	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.152	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer "ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/1270
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-1
	Sample Drawn On	: 22.02.2022
	Sample Number	: MSKGL/ED/2021-22/02/02547
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		


ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: POWER HOUSE DG-1	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack : MS		
4.	Shape of Stack : Circular		
5.	Whether stack is provided with permanent platform & ladder : Yes		
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	5. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	156	... USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	... USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	21.35	... USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5525	... USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.4	... IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.218	≤ 3.5 IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.6	... IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	34.7	... USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.552	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.147	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2021-22/1269
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: RADDAR DG-2
	Sample Drawn On	: 09.02.2022
	Sample Number	: MSKGL/ED/2021-22/03/00933
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A. General information about stack :			
1. Stack connected to	: RADDAR DG-2		
2. Emission due to	: Diesel Burning		
3. Material of construction of Stack	: MS		
4. Shape of Stack	: Circular		
5. Whether stack is provided with permanent platform & ladder	: Yes		
6. DG capacity	: 320 KVA		
B. Physical characteristics of stack :			
1. Height of the stack from ground level	: 12.0 m		
2. Diameter of the stack at sampling point	: 0.2023 m		
3. Area of Stack	: 0.0324 m ²		
C. Analysis/Characteristic of stack:			
4. Fuel used	: Diesel		
D. Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1. Temperature of emission (0C)	77	...	USEPA Part 2, 25.09.1996
2. Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3. Velocity of gas (m/sec.)	18.63	...	USEPA Part 2, 25.09.1996
4. Quantity of Gas Flow (Nm ³ /hr)	1821	...	USEPA Part 2, 25.09.1996
5. Concentration of Oxygen (%v/v)	14.0	...	IS:13270 :1992 Reaff, 2014
6. Concentration of Carbon Monoxide (g/kW-hr)	0.356	≤ 3.5	IS:13270 :1992 Reaff, 2014
7. Concentration of Carbon Dioxide (%v/v)	5.4	...	IS:13270 :1992 Reaff, 2014
8. Concentration of Sulphur Dioxide (mg/Nm ³)	27.1	...	USEPA Part-6, 25/09/1996
9. Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.378	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10. Concentration of Particulate matter (g/kW-hr)	0.182	≤ 0.2	USEPA Part-17, 16/08/1996
E. Pollution control device	Details of pollution control devices attached with the stack : Nil		
F. Remarks	: Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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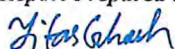
TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/1268
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: RADDAR DG-1
	Sample Drawn On	: 09.02.2022
	Sample Number	: MSKGL/ED/2021-22/03/00932
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: RADDAR DG-1	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 320 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 12.0 m	
2.	Diameter of the stack at sampling point	: 0.2023 m	
3.	Area of Stack	: 0.0324 m ²	
C.	Analysis/Characteristic of stack:		
	3. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (OC)	75	... USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	... USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	18.62	... USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1831	... USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.8	... IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.324	≤ 3.5 IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.6	... IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	23.7	... USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.362	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.178	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/1267
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: HANGER DG-2
	Sample Drawn On	: 09.02.2022
	Sample Number	: MSKGL/ED/2021-22/03/00931
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: Hanger DG-2	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: DG 200 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 5.0 m	
2.	Diameter of the stack at sampling point	: 0.20 m	
3.	Area of Stack	: 0.0314 m ²	
C.	Analysis/Characteristic of stack:		
	2. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	66	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	17.35	...
4.	Quantity of Gas Flow (Nm ³ /hr)	1697	...
5.	Concentration of Oxygen (%v/v)	13.6	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.228	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.4	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	21.5	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.252	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.114	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


 Authorized Signatory

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 Tel. : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008
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TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2021-22/1266
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: HANGER DG-1
	Sample Drawn On	: 09.02.2022
	Sample Number	: MSKGL/ED/2021-22/03/00930
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: Hanger DG-1	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack : MS		
4.	Shape of Stack : Circular		
5.	Whether stack is provided with permanent platform & ladder : Yes		
6.	DG capacity	: DG 200 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 5.0 m	
2.	Diameter of the stack at sampling point	: 0.20 m	
3.	Area of Stack	: 0.0314 m ²	
C.	Analysis/Characteristic of stack:		
	1. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	63	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	17.47	...
4.	Quantity of Gas Flow (Nm ³ /hr)	1724	...
5.	Concentration of Oxygen (%v/v)	13.8	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.234	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.6	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	23.5	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.268	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.106	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



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TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2022-23/0050
	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-1
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01217
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	:	POWER HOUSE DG-1	
2.	Emission due to	:	Diesel Burning	
3.	Material of construction of Stack : MS			
4.	Shape of Stack : Circular			
5.	Whether stack is provided with permanent platform & ladder : Yes			
6.	DG capacity	:	750 KVA	
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	:	15.0 m	
2.	Diameter of the stack at sampling point	:	0.3556 m	
3.	Area of Stack	:	0.0994 m ²	
C.	Analysis/Characteristic of stack:			
	5. Fuel used : Diesel			
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	156	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	21.05	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	5153	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.2	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.213	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.8	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	33.5	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.542	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.139	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device			
	Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2022-23/0051
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-2
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01218
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

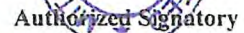
ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: POWER HOUSE DG-2	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	8. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (OC)	158	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	21.27	...
4.	Quantity of Gas Flow (Nm ³ /hr)	5180	...
5.	Concentration of Oxygen (%v/v)	14.0	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.276	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.8	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	36.1	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.562	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.143	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer “ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2022-23/0052
	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-3
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01219
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: POWER HOUSE DG-3	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	7. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (OC)	161	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	21.02	...
4.	Quantity of Gas Flow (Nm ³ /hr)	5086	...
5.	Concentration of Oxygen (%v/v)	13.4	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.278	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	6.0	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	34.7	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.558	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.140	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2022-23/0053
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: POWER HOUSE DG-4
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01220
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		


ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: POWER HOUSE DG-4	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 750 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 15.0 m	
2.	Diameter of the stack at sampling point	: 0.3556 m	
3.	Area of Stack	: 0.0994 m ²	
C.	Analysis/Characteristic of stack:		
	6. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	162	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	21.32	...
4.	Quantity of Gas Flow (Nm ³ /hr)	5144	...
5.	Concentration of Oxygen (%v/v)	14.2	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.251	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.6	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	37.2	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.582	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.156	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2022-23/0054
“ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED” Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: RADDAR DG-1
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01221
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: RADDAR DG-1	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 320 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 12.0 m	
2.	Diameter of the stack at sampling point	: 0.2023 m	
3.	Area of Stack	: 0.0324 m ²	
C.	Analysis/Characteristic of stack:		
	3. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	154	... USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	... USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	20.84	... USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1670	... USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.6	... IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.321	≤ 3.5 IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.8	... IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	23.4	... USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.358	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.172	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2022-23/0055
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: RADDAR DG-2
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01222
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: RADDAR DG-2	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack : MS		
4.	Shape of Stack : Circular		
5.	Whether stack is provided with permanent platform & ladder : Yes		
6.	DG capacity	: 320 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 12.0 m	
2.	Diameter of the stack at sampling point	: 0.2023 m	
3.	Area of Stack	: 0.0324 m ²	
C.	Analysis/Characteristic of stack:		
	4. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (OC)	72	... USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	... USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	18.96	... USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1880	... USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	14.2	... IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.354	≤ 3.5 IS:13270 :1992 Reaff. 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.6	... IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	28.3	... USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.385	≤ 4.0 USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.186	≤ 0.2 USEPA Part-17, 16/08/1996
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer	Report No.	: MSK/GHY/2022-23/0056
"ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report Date	: 18.04.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: HANGER DG-1
	Sample Drawn On	: 25.03.2022
	Sample Number	: MSKGL/ED/2022-23/04/01223
Reference No.& Date: W.O. NO.- As Per Mail Date : 21.12.2021		

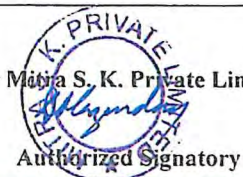
ANALYSIS RESULT

A.	General information about stack :			
1.	Stack connected to	:	Hanger DG-1	
2.	Emission due to	:	Diesel Burning	
3.	Material of construction of Stack : MS			
4.	Shape of Stack : Circular			
5.	Whether stack is provided with permanent platform & ladder : Yes			
6.	DG capacity	:	DG 200 KVA	
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	:	5.0 m	
2.	Diameter of the stack at sampling point	:	0.20 m	
3.	Area of Stack	:	0.0314 m ²	
C.	Analysis/Characteristic of stack:			
	1. Fuel used : Diesel			
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (0C)	63	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	754	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	17.25	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm ³ /hr)	1702	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.6	...	IS:13270 :1992 Reaff. 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.239	≤ 3.5	IS:13270 :1992 Reaff. 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.8	...	IS:13270 :1992 Reaff. 2014
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	24.7	...	USEPA Part-6, 25/09/1996
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.265	≤ 4.0	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996
10.	Concentration of Particulate matter (g/kW-hr)	0.112	≤ 0.2	USEPA Part-17, 16/08/1996
E.	Pollution control device Details of pollution control devices attached with the stack : Nil			
F.	Remarks : Nil			

Report Prepared By :



For Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer "ADANI GUWAHATI INTERNATIONAL AIRPORT LIMITED" Lokpriya Gopinath Bordoloi International Airport, Borjhar, Guwahati, Kamrup Metropolitan, Assam, 781015	Report No.	: MSK/GHY/2022-23/0057
	Report Date	: 28.03.2022
	Nature of Sample	: Stack Emission
	Sample Mark	: HANGER DG-2
	Sample Drawn On	: 09.02.2022
	Sample Number	: MSKGL/ED/2021-22/03/00931
Reference No. & Date: W.O. NO.- As Per Mail Date : 21.12.2021		

ANALYSIS RESULT

A.	General information about stack :		
1.	Stack connected to	: Hanger DG-2	
2.	Emission due to	: Diesel Burning	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: DG 200 KVA	
B.	Physical characteristics of stack :		
1.	Height of the stack from ground level	: 5.0 m	
2.	Diameter of the stack at sampling point	: 0.20 m	
3.	Area of Stack	: 0.0314 m ²	
C.	Analysis/Characteristic of stack:		
	2. Fuel used : Diesel		
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB
			Method
1.	Temperature of emission (0C)	66	...
2.	Barometric Pressure (mm of Hg)	754	...
3.	Velocity of gas (m/sec.)	17.35	...
4.	Quantity of Gas Flow (Nm ³ /hr)	1697	...
5.	Concentration of Oxygen (%v/v)	13.6	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.228	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.4	...
8.	Concentration of Sulphur Dioxide (mg/Nm ³)	21.5	...
9.	Concentration of Nitrogen Oxide & Methane Hydro Carbon (g/kW-hr)	0.252	≤ 4.0
10.	Concentration of Particulate matter (g/kW-hr)	0.114	≤ 0.2
E.	Pollution control device		
	Details of pollution control devices attached with the stack : Nil		
F.	Remarks : Nil		

Report Prepared By :

Randam Pr.

For Mitra S. K. Private Limited



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Environment Statement for 2021-22 for M/s Guwahati International Airport Ltd.

ANNEXURE - 2

**Details of Hazardous Waste Management of GIAL, Guwahati
Oct 2021 (COD)-Mar22**

Hazardous Waste	Unit	Quantity
5.1 Used of Spent oil	Liters	500
5.2 Wastes or residues containing oil	MT	NIL
33.1 Empty Barrels/ containers/ liners contaminated with hazardous chemicals/ waste	Units	15

ANNEXURE - 3

**Details of Waste Management of GIAL, Guwahati
Oct 2021 (COD)-Mar22**

Sr. No.	Waste Description	Disposal Method	Unit	Quantity 2020-21	Quantity 2021-22
Non Hazardous					
1.	Dry Waste (Recyclable waste- Metal, Wood, paper, plastic etc.)	As per Solid Waste Rules, 2016 amended till date	Kg	NA	18510
2.	RDF (Non-Recyclable)				
3.	Organic Waste				
4.	COVID Waste				
Others					
1	Battery waste	Auctioned & then Recycled (send to reg. recycler)	MT	NA	Nil

ANNEXURE - 4

**Cost of Environmental Protection Measures of GIAL, Guwahati
Oct 2021 (COD)-Mar22**

Activity	Cost incurred (INR in Lacs)
Cost incurred for Legal & Statutory Expenses, Environment Monitoring Services, Hazardous / Non Hazardous Waste Management & Disposal, Environment event Celebration , Horticulture Expenses, O&M of Sewage Treatment Plant etc.	80.0