

Ref No. ALIAL/CAO/ES/21-22/0537

Date: 23.09.2021

To,
Member Secretary,
Uttar Pollution Control Board
Building.No. TC-12V Vibhuti Khand,
Gomti Nagar Lucknow-226 010

Sub: Environmental Statement for the financial year ending 31st March, 2021 for "Chaudhary Charan Singh International Airport" Lucknow, by M/s Adani Lucknow International Airport Limited (ALIAL)

Ref:

- i. Consent to Operate- Renewal issued under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 to Adani Lucknow International Airport on 14th May 2021 with order no. 122245 / UPPCB / Lucknow (UPPCBRO) / CTO /air / LUCKNOW/ 2021.
- ii. Consent to Operate- Renewal issued under section 25/26 of the Water (Prevention and control of Pollution) Act, 1974 to Adani Lucknow International Airport on 14th May 2021 with order no. 122221 / UPPCB / Lucknow (UPPCBRO) /CTO /water / LUCKNOW / 2021.

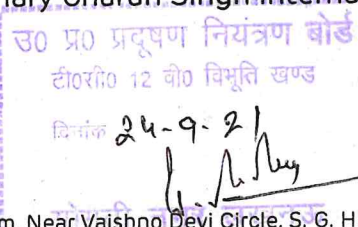
Dear Sir,

Chaudhary Charan Singh International (CCSI) Airport, Lucknow has been granted Environmental Clearance for "Construction of Terminal Building" Lucknow, Uttar Pradesh vide dated 23rd May 2012. Application for EC transfer in the name of Adani Lucknow International Airport Ltd. (ALIAL) has been submitted vide dtd. 23rd August 2021

The Concession Agreement for Operation, Maintenance, Management & Development of Chaudhary Charan Singh International Airport, Lucknow between Airports Authority of India (AAI) and Adani Lucknow International Airport Limited (ALIAL) was signed on 14th February 2020. As per the above said Concession Agreement, with effect from the Commercial Operation Date (COD) i.e. 2nd November 2020, ALIAL is responsible to comply with all the applicable conditions, as stipulated under the issued Clearances

With reference to the above mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for Chaudhary Charan Singh International (CCSI) Airport, Lucknow

Adani Lucknow International Airport Limited
First Floor Terminal-1,
CCS International Airport Lucknow,
Lucknow-226009
Uttar Pradesh
CIN: U63030GJ2019PLC109814



Tel +91 79 2656 5555
Fax +91 79 2555 5500
Email: info@adani.com
Website: www.adani.com



for the financial year ending 31st March 2021. Since ALIAL has started its operation, with effect from the Commercial Operation Date (COD) i.e. 2nd November 2020, the Environment Statement (Form V) is being submitted for the period November 2020 – March 2021.

Kindly consider above submission and acknowledge.

Thank you,

Yours Sincerely,

For, M/s Adani Lucknow International Airport Limited

Suresh Chandra Hota
Chief Airport Officer

Encl: As above.

Copy to: Regional Officer, Regional Office Lucknow - Picup Bhawan B-Block, 4th Floor,
Vibhuti Khand, Gomti Nagar, Lucknow-226010

Adani Lucknow International Airport Limited
First Floor Terminal-1,
CCS International Airport Lucknow,
Lucknow-226009
Uttar Pradesh
CIN: U63030GJ2019PLC109814

Tel +91 79 2656 5555
Fax +91 79 2555 5500
Email: info@adani.com
Website: www.adani.com

Registered Office: Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad – 382 421

Environment Statement for 2020-21 for M/s Adani Lucknow International Airport Ltd.

FORM V
(See Rule 14)

Environmental Statement for the period from Nov 2020 (COD) to 31st March 2021

PART - A

- (i) Name and address of the Owner/ Occupier of the Industry Operation or Process : Mr. Suresh Chandra Hota
Chief Airport Officer
Adani Lucknow International Airport Ltd. (ALIAL)
First Floor Terminal 1, CCS International Airport
Lucknow, Lucknow-226009, Uttar Pradesh, India
- (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):
2nd Nov 2020
- (v) Date of last Environment Statement submitted : ALIAL has started its operation from 2nd November 2020 (COD). This is the first Environment Statement being submitted by ALIAL for the period November 2020 (COD) - March 2021.

Environment Statement for 2020-21 for M/s Adani Lucknow International Airport Ltd.**PART – B****Water and Raw Material Consumption****(i) Water Consumption**

Water Consumption	Average Cu. Mtr./Day
Domestic	185
Industrial	46

Details of Water Consumption for the period of Nov 2020 (COD)-Mar21 is enclosed as **Annexure – 1.**

Details	Process Water Consumption per unit of Passenger*	
	During the current financial year (2019-20)	During the current financial year (2020-21)
Water consumption per passenger handled*	NA	0.02KL

* ALIAL being an Airport Operator does not comprises of manufacturing unit. However, the water consumption per passenger for the period of Nov-20(COD) – Mar21 is mentioned above.

(ii) Raw Material Consumption

Name of Raw Material	Name of Products/Types of Cargos and passenger handled	Consumption of Raw Material per Unit of output/Numbers of Cargos & Passenger Handled	
		During the current financial year (2019-20)	During the current financial year (2020-21)
Passenger Handled*		NA	1627603

* ALIAL being an Airport Operator does not undergo any manufacturing or production. However the passengers handled in the period of Nov20 (COD)-Mar21 is mentioned above.

Environment Statement for 2020-21 for M/s Adani Lucknow 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	7.5	<p>There is no variation from prescribed standards in terms of quality of wastewater discharge.</p> <p>1. Waste Water generated is being treated in STP</p> <p>2. Treated water during Nov 2020 – March 2021. was utilized for horticulture / greenbelt purpose within premises. Analysis reports of treated water are enclosed as Annexure-4</p>
	Total Suspended Solids	5.25	Total Suspended Solids (mg/l)	35	
	BOD (5 Days @ 20 °C)	3.06	BOD (5 Days @ 20°C) (mg/l)	20.40	
	Oil & Grease	<1.0	Oil & Grease (mg/l)	<1.0	
	COD	17.76	COD (mg/l)	118.40	
(b) Air	Parameters	Avg. Mass Kg/Day	Parameters	Avg.	<p>As a part of Environment Monitoring programme, DG set flue gas monitoring is being carried out (Half monthly / quarterly).</p> <p>The Analysis of the D.G Set Stack Monitoring has been done in the month of June 2021. The reports will be considered in the next cycle for FY2021-22 statement.</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 2020-21 for M/s Adani Lucknow 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 (2019-20)	During the current financial year (2020-21)
(a) From Process	NA	NIL
(b) From Pollution Control facilities		

PART - E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the current financial year (2019-20)	During the current financial year (2020-21)
(a) From Process (Ash)		
(b) From Pollution Control facilities	Refer Annexure -2	

Environment Statement for 2020-21 for M/s Adani Lucknow 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 ALIAL 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
 - ✓ The segregated waste are collected and from there, shifted to Waste yard situated at backend of the Airport.
 - ✓ 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 Sharda Enterprises for further handling.
 - ✓ Hazardous Waste, generated at ALIAL are being managed inline to the Hazardous Waste Management Rules 2016, amended till date.
 - ✓ Battery Waste, generated at ALIAL are managed inline to the Battery Waste Management Rules 2010, amended till date
 - ✓ E-Waste, generated at ALIAL are being managed inline to the E-Waste Management Rules 2016, amended till date
- As part of way forward Adani Lucknow 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 2020-21 for M/s Adani Lucknow 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) (CAMUS – Soil Biotechnology) has been installed for treating and handling the domestic sewage generated from airport premises.
- The treated waste water generated from the STP is utilized for gardening and horticulture activity within ALIAL premises to conserve the fresh water consumption.

Energy Savings

- Installed roof top solar panel of **515 KV** 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 ALIAL area which has reduced the total energy consumption.
- Proactively controlled lighting systems are provided. The landside street lights are operating timer basis according to the daylight.
- 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 ALIAL. Regular monitoring is being carried out for the same.

Water Conservation:

- Treated Water from the STP is utilized for gardening & horticulture purpose.
- Rain water harvesting is being carried out at ALIAL as part of water conservation measure.
- As part of water conservation ALIAL has installed sensor based water taps most of the area in the Terminal building.
- Following safeguard measures are taken for abatement of dust and noise emissions:
 - ✓ Regular cleaning of roads
 - ✓ D.G. Set having acoustic enclosures
 - ✓ Green cover of ~14 Ha 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.
- Green cover of ~14 Ha has been developed

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.

Environment Statement for 2020-21 for M/s Adani Lucknow International Airport Ltd.

PART - H

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

- ALIAL has developed an adequate Green Belt Area and is properly maintained by the Horticulture Team at the Airport.

PART - I

Any other particulars for improving the quality of environment:

- Monitoring of environmental parameters such as Air, Noise, wastewater and soil quality being done regular basis through MoEF & NABL recognized laboratory.
- AAIAL Budget for environmental management measures for the FY 2020-21 of about **INR 20 lakhs** was spent. Details enclosed as **Annexure - 3**

Date : 23.09.2021



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

Suresh Chandra Hota

Designation : **Chief Airport Officer**

Address: **Adani Lucknow International Airport Ltd.**

First Floor Terminal 1, CCS International Airport
Lucknow Lucknow-226009 Uttar Pradesh, India

Environment Statement for 2020-21 for M/s Adani Lucknow International Airport Ltd.**Annexure – 1****Details of Water Consumption and Treated Water Discharge
Nov-20(COD) to Mar-21**

Month	Category-1 (Domestic), KL	Category-2 (Industrial), KL	Total, KL	Treated water, KL
Nov-20	5437	1359	6796	4350
Dec-20	5696	1424	7120	4557
Jan-21	5773	1443	7217	4619
Feb-21	5320	1330	6650	4256
Mar-21	5597	1399	6996	4478
Total	27824	6956	34780	22260
Per Month	5564	1391	6956	4452
Per Day	185	46	230	148

ANNEXURE – 2**Details of Waste Management of ALIAL, Lucknow
Nov 2020(COD)-Mar21**

Sr. No.	Waste Description	Disposal Method	Unit	Quantity 2019-20	Quantity 2020-21
Non Hazardous					
1.	Dry Waste	As per Solid Waste Management Rules-2016	Kg	NA	52655
2.	RDF (Non-Recyclable)				
3.	Organic Waste				
4.	E-Waste	--	MT	NA	NIL
Others					
1.	Battery Waste	--	MT	NA	NIL

ANNEXURE – 3**Cost of Environmental Protection Measures of ALIAL, Lucknow
Nov 2020(COD)-Mar21**

Sr. No.	Activity	Cost incurred (INR in Lacs)
1.	Legal & Statutory Expenses	350000
2.	Environmental Monitoring Services	290060
3.	Hazardous / Non Hazardous Waste Management & Disposal	380000
4.	Treatment and Disposal of Bio-Medical Waste	341600
5.	Other Horticulture Expenses	441451
6.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	240000
Total		2043111

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657

**ISSUED TO:**

**M/S.ADANI LUCKNOW INTERNATIONAL AIRPORT LIMITED.,
(CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT),
AMAUSI, LUCKNOW,
UTTAR PRADESH-226009**

Report Number : VLL/VLS/20/10238/003
Issued Date : 2021.01.20
P. Order Ref : 5700291869
P.O. Date : 13.10.2020

Page 1 of 1


SAMPLE PARTICULARS : STP OUTLET WASTEWATER

Frequency Of Sampling : One Grab sample in a Month
Month of Sampling : **NOVEMBER 2020 & DECEMBER 2020**
Quantity Collected for Analysis : 5 Liter
Type of Container used for sampling : HDPE Plastic Container-3 L
Amberlite Glass Container-2 L
Test Required : pH; Total Suspended Solids; Total Dissolved Solids; Total Nitrogen; Chemical Oxygen Demand; Biological Oxygen Demand; Oil and Grease; and Ammonical Nitrogen

Sample collected by Vimta labs ltd

TEST REPORT

Sr.No	Parameters	Method Adopted	UoM	November 2020	December 2020	CPCB Standard
	Date Sampling			26.11.2020	24.12.2020	
	Date of Analysis Start Date			28.11.2020	26.11.2020	
	Analysis of Completion			04.12.2020	05.11.2020	
1	pH	IS:3025 P-11	--	7.17	7.21	5.5 - 9.0
2	Total Suspended Solids	IS:3025 P-16	mg/L	23	27	100
3	Total Dissolved Solids	IS:3025 P-16	mg/L	289	316	2100
4	Total Nitrogen	APHA 4500-B	mg/L	1.2	1.7	10
5	Chemical Oxygen Demand	APHA 5220B	mg/L	80	110	250
6	Biological Oxygen Demand at 27°C, 3 days	IS:3025 P-44	mg/L	16	18	30
7	Oil and Grease	APHA 5520-C	mg/L	<1.0	<1.0	10
8	Ammonical Nitrogen	APHA 4500-F	mg/L	<0.1	<0.1	5


Dr. SubbaReddy Mallampati
Group Leader-Environment

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657



Driven by Quality. Inspired by Science.

ISSUED TO:

**M/S.ADANI LUCKNOW INTERNATIONAL AIRPORT
LIMITED.,
(CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT),
AMAUSI, LUCKNOW,
UTTARPRADESH-226009**

Report Number : VLL/VLS/20/11078/004
Issued Date : 2021.02.04
P. Order Ref : 5700291869
P.O. Date : 13.10.2020

Page 1 of 1

SAMPLE PARTICULARS : STP OUTLET WASTEWATER

Frequency Of Sampling : One Grab sample in a Month
Month of Sampling : JANUARY 2021
Quantity Collected for Analysis : 1 Liter
Type of Container used for sampling : HDPE Plastic Can
Test Required : pH; Total Suspended Solids; Total Dissolved Solids; Total Nitrogen; Chemical Oxygen Demand; Biological Oxygen Demand; Oil and Grease; and Ammonical Nitrogen
Sample Collected On : 20.01.2021
Analysis Start Date : 24.01.2021
Analysis Completion Date : 28.01.2021
Sample collected by Vimta Labs Ltd.,

TEST REPORT

Sr.No	Parameters	Method Adopted	UoM	Results	CPCB Standard
1	pH	IS:3025 P-11	--	7.8	5.5 - 9.0
2	Total Suspended Solids	IS:3025 P-16	mg/L	36	100
3	Total Dissolved Solids	IS:3025 P-16	mg/L	416	2100
4	Total Nitrogen	APHA 4500-B	mg/L	2.1	10
5	Chemical Oxygen Demand	APHA 5220B	mg/L	128	250
6	Biological Oxygen Demand at 27°C, 3 days	IS:3025 P-44	mg/L	21	30
7	Oil and Grease	APHA 5520-C	mg/L	<1.0	10
8	Ammonical Nitrogen	APHA 4500-F	mg/L	<0.1	5

Dr. SubbaReddy Mallampati
Group Leader-Environment

Vimta Labs Limited,
Registered office
142, IDA, Phase-II, Cherlapally,
Hyderabad-500051, Telangana, India.
T: + 91 40-2726 4141
F: + 91 40-2726 3657



ISSUED TO:

**M/S.ADANI LUCKNOW INTERNATIONAL AIRPORT
LIMITED.,
(CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT),
AMAUSI, LUCKNOW,
UTTARPRADESH-226009**

Report Number : VLL/VLS/20/12067/006
Issued Date : 2021.03.06
P. Order Ref : 5700291869
P.O. Date : 13.10.2020

Page 1 of 1

SAMPLE PARTICULARS : STP OUTLET WASTEWATER

Frequency Of Sampling : One Grab sample in a Month
Month of Sampling : **FEBRUARY 2021**
Quantity Collected for Analysis : 5 Liter
Type of Container used for sampling : HDPE Plastic Container-3 L
Amberlite Glass Container-2 L
Test Required : pH; Total Suspended Solids; Total Dissolved Solids; Total Nitrogen; Chemical
Oxygen Demand; Biological Oxygen Demand; Oil and Grease; and Ammonical
Nitrogen
Sample Collected On : 08.02.2021
Analysis Start Date : 10.02.2021
Analysis Completion Date : 15.02.2021
Sample collected by Vimta Labs Ltd.,

TEST REPORT

Sr.No	Parameters	Method Adopted	UoM	Results	CPCB Standard
1	pH	IS:3025 P-11	--	7.6	5.5 - 9.0
2	Total Suspended Solids	IS:3025 P-16	mg/L	43	100
3	Total Dissolved Solids	IS:3025 P-16	mg/L	476	2100
4	Total Nitrogen	APHA 4500-B	mg/L	2.9	10
5	Chemical Oxygen Demand	APHA 5220B	mg/L	133	250
6	Biological Oxygen Demand at 27°C, 3 days	IS:3025 P-44	mg/L	23	30
7	Oil and Grease	APHA 5520-C	mg/L	<1.0	10
8	Ammonical Nitrogen	APHA 4500-F	mg/L	<0.1	5

Dr. SubbaReddy Mallampati
Group Leader-Environment

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657



Driven by Quality. Inspired by Science.

ISSUED TO:

M/S.ADANI LUCKNOW INTERNATIONAL AIRPORT
LIMITED.,
(CHAUDHARY CHARAN SINGH INTERNATIONAL AIRPORT),
AMAUSI, LUCKNOW,
UTTARPRADESH-226009

Report Number : VLL/VLS/21/00073/006
Issued Date : 2021.04.05
P. Order Ref : 5700291869
P.O. Date : 13.10.2020

Page 1 of 1

SAMPLE PARTICULARS : STP OUTLET WASTEWATER

Frequency Of Sampling	: One Grab sample in a Month
Month of Sampling	: MARCH 2021
Quantity Collected for Analysis	: 5 Liter
Type of Container used for sampling	: HDPE Plastic Container-3 L Amberlite Glass Container-2 L
Test Required	: pH; Total Suspended Solids; Total Dissolved Solids; Total Nitrogen; Chemical Oxygen Demand; Biological Oxygen Demand; Oil and Grease; and Ammonical Nitrogen
Sample Collected On	: 12.03.2021
Analysis Start Date	: 15.03.2021
Analysis Completion Date	: 20.03.2021
Sample collected by Vimta Labs Ltd.,	

TEST REPORT

Sr.No	Parameters	Method Adopted	UoM	Results	CPCB Standard
1	pH	IS:3025 P-11	--	7.7	5.5 - 9.0
2	Total Suspended Solids	IS:3025 P-16	mg/L	46	100
3	Total Dissolved Solids	IS:3025 P-16	mg/L	481	2100
4	Total Nitrogen	APHA 4500-B	mg/L	2.9	10
5	Chemical Oxygen Demand	APHA 5220B	mg/L	141	250
6	Biological Oxygen Demand at 27°C, 3 days	IS:3025 P-44	mg/L	24	30
7	Oil and Grease	APHA 5520-C	mg/L	<1.0	10
8	Ammonical Nitrogen	APHA 4500-F	mg/L	<0.1	5

Life Sciences Campus, # 5, MN Science & Technology Park, Genome Valley, Shamirpet, Hyderabad - 500 101, Telangana, India
T : +91 40 6740 4040 E : mdoffice@vimta.com URL : www.vimta.com

CIN : L24110TG1990PLC011977

