adani

O/C

Ref JIAL/Envi/2023-Sept/22

Date: 27 September 2023

To,
Member secretary
Rajasthan State Pollution Control Board **("RSPCB")**
4, Institutional Area, Jhalana Doongri
Jaipur, Rajasthan

Sub: Environmental Statement for the financial year ending 31st March 2023 for M/s **Jaipur International Airport Limited (JIAL)**

Ref: 1. Order No. 2022-2023/HBC/2550 dated 30.06.2022
2. Order No. 2023-2024/HBC/2736 dated 12.07.2023

Dear Sir,

With reference to the above-mentioned subject, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for Jaipur International Airport, Sanganer, Jaipur (Rajasthan) for the financial year ending 31st March 2023.

Kindly consider above submission and acknowledge.

Sincerely
For Jaipur International Airport Limited,

Vishnu Mohan Jha

Vishnu Mohan Jha
Chief Airport Officer

27/9/2023

Copy to:
The Regional Officer, Rajasthan State Pollution Control Board (RSPCB), 8/263, Malviya Nagar, Behind Renault Showroom Near Jawahar Circle, Jaipur Rajasthan.

Jaipur International Airport Limited
(Formerly known as Adani Jaipur International Airport Ltd)
Jaipur International Airport
Terminal 1, First Floor,
Sanganer, Jaipur 302029
Rajasthan, India
CIN: U63033GJ2019PLC110077

Tel. +91 141 2720007
Fax +91 141 2720007
Email: airport.jaipur@adani.com
Website: www.adani.com/jaipur-airport

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

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Rajasthan State Pollution Control Board
Receipt No.
Date 27/9/23

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Environment Statement for 2022-23 for M/s Jaipur International Airport Limited (JIAL).

FORM V

(See Rule 14)

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

PART – A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Mr. Vishnu Mohan Jha Chief Airport Officer Jaipur International Airport Limited Terminal-1, First Floor, Sanganer, Jaipur 302029, Rajasthan
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	:	Red-Large NA NA
(iii)	Production Capacity	:	No production as Airport is Service industry.
(iv)	Year of Establishment	:	11th October 2021 (Commercial Date of Operation (COD)
(v)	Date of last Environment Statement submitted	:	30.09.2022

Jaipur International Airport Limited

PART – B

Water and Raw Material Consumption

(i) Water Consumption*

Water Consumption Cu. Mtr./Day	218m3/day
Process	Nil
Domestic & cooling	218 m3/day

Name of Products	Process water consumption per unit of product output	
	During the previous financial year (2021-2022) -COD	During the current financial year (2022-2023)
No production as Airport is Service industry	No process water consumption. 24464 m3 of water consumption for domestic purpose (0.011 M3/Passengers)	No process water consumption. 79647 m3 of water consumption for domestic purpose (0.016 M3/Passengers)

* Jaipur International Airport Limited (JIAL), being an Airport Operator 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 previous financial year (2021-2022) -COD	During the current financial year (2022-2023)
Not applicable	Not applicable	Not applicable	Not applicable

* Jaipur International Airport Limited (JIAL) being an Airport Operator does not undergo any manufacturing or production.
* The water consumed was mainly in Domestic Purpose & Horticulture etc.

Jaipur International Airport Limited

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
(a) Wastewater	1. There is no variation from prescribed standards in terms of quality of wastewater discharge. 2. Wastewater generated is being treated in STP. 3. Treated water was utilized for horticulture / greenbelt. 4. Treated wastewater analysis reports are enclosed as ***Annexure – 1***		
(b) Air	1. DG Sets are provided as standby power sources and used during power failure. 2. The Height of DG Stacks as per CPCB/GPCB Standards. All the Monitored parameters are within Standards. 3. Particulate matters value within the prescribed limits stipulated by concerned regulatory authorities. 4. As a part of the Environment Monitoring programme, DG set flue gas monitoring is being carried out half yearly. 5. The Analysis of the D.G Set Stack Monitoring has been done in the month of October 2022 and March 2023. 6. There is no variation from prescribed standards in terms of Air quality.		
Particulate Matter (PM) (mg/Nm3)	DG Sets Stack Emission Results is enclosed as ***Annexure – 2.***		
Sulphur Dioxide (SO_2)-PPM			
Nitrogen Oxide (NO_x)-PPM			

- Jaipur International Airport Limited (JIAL) being an Airport Operator does not undergo any manufacturing or production. There is no effluent generation & disposal.
- The sewage water was treated in the 300KLD (180KLD & 120KLD) Sewage treatment plant (STP) based on MBBR technology and treated water confirming to prescribed standards reused in gardening and plantation activities.

PART – D

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

Hazardous Wastes	Total Quantity (MT)	
	During the previous financial year (2021-2022) -COD	**During the current financial year (2022-2023)**
(a) From Process	Jaipur International Airport Limited (JIAL) being an Airport Operator does not undergo any manufacturing or production. There is no process hazardous waste generation & disposal. During DG Set and equipment maintenance hazardous waste generated as mentioned below: - 1. 21.1 Paint residue/sludges-NIL** 2. 3.3 Sludge and filters contaminated with oil-NIL** 3. Cat. I-33.1- Empty barrels-NIL** 4. Cat I-33.2 Contaminated cotton rags or other cleaning materials-NIL** 5. Cat. 5.1- Used /Spent Oil -NIL**	Jaipur International Airport Limited (JIAL) being an Airport Operator does not undergo any manufacturing or production. There is no process hazardous waste generation & disposal. During DG Set and equipment maintenance hazardous waste generated as mentioned below: - 1. 21.1 Paint residue/sludges- NIL 2. 3.3 Sludge and filters contaminated with oil-NIL. 3. Cat. I-33.1- Empty barrels-NIL 4. Cat I-33.2 Contaminated cotton rags or other cleaning materials-NIL 5. Cat. 5.1- Used /Spent Oil -NIL
(b) From Pollution Control facilities	Not applicable	Not applicable

**

- Concession Agreement signed on 19th January 2021 for Operation, Maintenance, Management & Development of Jaipur Airport between Airports Authority of India (AAI) and Jaipur International Airport Limited (JIAL). JIAL has commenced its operation with effect from the Commercial Operation Date (COD), i.e. 11th October 2021.

Jaipur International Airport Limited

PART – E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the previous financial year (2021-2022) -COD	During the current financial year (2022-2023)
(a) From Process	Solid waste (Recyclable waste -metal, wood, paper, plastic and organic waste)- 35.24 MT	Solid waste (Recyclable waste -metal, wood, paper, plastic and organic waste)- 74.71 MT
(b) From Pollution Control facilities	Not applicable	Not applicable

Note: - Scrap is collected in designated scrap yard at Central Store and sold to scrap vendor.

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:

- Used oil and other waste was generated from various maintenance activities which was collected in Barrels kept in covered hazardous waste storage area. These wastes are sold to RSPCB authorized registered recyclers.
- Cotton waste (Oily rugs) generated from site the same was packed in HDPE bags and stored in Hazardous waste storage area. This waste are dispose at RSPCB authorized CHWIF/ Co-processing site.
- Hazardous Waste at JIAL is being managed in line to the Hazardous Waste Management Rules 2016.
- As a part of JIAL 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 waste collection points nearby terminals, where the segregated waste are collected and from there, shifted to Waste yard situated at Near terminal-2 of the Airport.
  - ✓ Recycling of major portion of solid waste generated at site is being practiced.
  - ✓ All the waste after proper segregation is being given to the recognized agency outsourced agency on daily basis for further handling.

- As part of way forward Jaipur International Airport Limited has their future plans for managing it's wastes under 5 R principal and step ahead with a vision of Zero Waste to Landfill.

PART – G

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

1. **Water conservation:**

- As part of water conservation approximately 100 sensor-based water taps has been installed in all the washrooms of the Terminal building at JIAL.
- Approximately 22 Recharging pits are maintained at Jaipur International Airport as part of rainwater harvesting.
- Treated Water from the STP is utilized for gardening & horticulture purpose to conserve freshwater consumption.

2. **Energy Savings**

- Installed 1.8MW of solar capacity as utilization of renewable source of energy for captive use which reduce the emission of CO2.
- 100% conventional lights have been replaced with LED lights in all the possible locations at JIAL area which has reduced the total energy consumption.
- Temperature Controllers are installed for AHU operations.
- Proactively controlled lighting systems are provided. The landside streetlights are made operational on timer basis according to the daylights.
- Energy efficient VRF system installed for localized air conditioning requirement e.g. data centers, server rooms and Terminal 1 offices. 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 JIAL. Regular monitoring is being carried out for the same.
- 12 nos of conventional fuel vehicles replaced with Electrical vehicles (EVs) for commuting within the premises to reduce the GHG emissions.

3. **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.
- Adequate green cover of about 4.60Ha has been developed within the airport area and 10Ha green belt area developed at Bichun forest.

Jaipur International Airport Limited

- Transitioned 12 airport owned fossil fuel vehicles to Electric Vehicles
- Replaced 118 ACs with higher GWP refrigerant (R22 – 1760 GWP) to lower GWP refrigerant (R32- GWP 677)
- Replaced 34Nos CO_2 type fire extinguishers with ABC type fire extinguisher.
- Regular cleaning of roads by Mechanized Sweeping Machines.

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 JIAL as part such as organic chemical spray to control weeds & grass.
- Airside inspection is practiced at regular intervals and accordingly the wild animals are relocated to the safer areas (forest areas) to protect them from any accidents.
- JIAL has developed & maintained an adequate Green Belt Area 4.60Ha within premises and developed a closed nursery at airport site.
- Developed mini forest at forest block Vriksh Kunj Bichun-A, area, 10Ha (4000Nos).

PART – I

Any other particulars for improving the quality of environment:

- Monitoring of environmental parameters such as Air, Noise, wastewater quality being done regular basis through MoEF & NABL recognized laboratory.
- JIAL Budget for environmental management measures for the FY 2022-23 of INR 453.82lakhs was spent.

Date: 27.09.2023

Vishnu Mohan Jha

Jaipur International Airport Limited

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

Name: **Vishnu Mohan Jha**

Designation: **Chief Airport Officer**

Address: Jaipur International Airport Limited, Terminal-1, First Floor, Sanganer, Jaipur 302029,