O/C

adani

Ref No: AIAL/ESG/GPCB/280 Date: 29/09/2025

PCB ID: 10150

To,
The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan
Sector 10 – A, Gandhinagar- 382 043

Kind Attn. : Unit head, Ahmedabad City

Subject : Environmental Statement for the financial year ending 31st March 2025 for "Sardar Vallabhbhai Patel International Airport" Ahmedabad by Ahmedabad International Airport Limited (AIAL)

Reference : AWH-145126 issue dated 25.06.2025, validity up to 15.05.2030

Respected Sir/Madam

With reference to the above-mentioned subject, we are enclosing herewith the duly filled **Form-V [Environmental Statement]** for Ahmedabad International Airport Limited located at Sardar Vallabhbhai Patel International Airport, Ahmedabad for the financial **year April 2024 to March 2025.**

The data covered under this environment statement **(Form V)** is for the period **1st April 2024 to 31st March 2025**.

Kindly acknowledge receipt for the same.
Thanking you,

Yours faithfully,

For, **Ahmedabad International Airport Limited**.

Nirav Shah

Ahmedabad International Airport Ltd. Ahmedabad

Nirav Shah
(Chief Airport Officer)

Encl.: Environmental Statement (Form-V)
CC: The Regional Officer- Ahmedabad city
Gujarat Pollution Control Board
Gandhinagar- 382 043

Ahmedabad International Airport Ltd
(Formerly known as Adani Ahmedabad International Airport Ltd)
Terminal-1 Building, 1st Floor
Sardar Vallabhbhai Patel International Airport
Ahmedabad 382 475
Gujarat, India
CIN: U63030GJ2019PLC110076

Tel. +91 79 2555 4700
Fax +91 79 2555 4700
adaniairports@adani.com

www.ahmedabad.adaniairports.com

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

30/09/25

Gujarat Pollution Control Board
Head Office
Sector No.-10-A
Gandhinagar-382010

30/09/25

Gujarat Pollution Control Board
Regional Office, Ahmedabad (City)
Sector-10-A, Old Building,
Gandhinagar-382010.

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

FORM V
(See Rule 14)

Environmental Statement for the period from 1st April 2024 to 31st March 2025

PART – A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Mr. Nirav Shah Chief Airport Officer M/s. Ahmedabad International Airport Ltd (AIAL) (New Name) M/s. Adani Ahmedabad International airport Limited) (Former Name) Aviation Fueling Station, SVP International Airport Ahmedabad- 380004
(ii)	Industry Category	:	Orange-Large
	Primary (STC Code)	:	NA
	Secondary (STC Code)	:	NA
(iii)	Production Capacity	:	**AIAL is an Airport Operator and do not involve in any manufacturing.** 31st July 2006 - Environment Clearance (EC), obtained for Sardar Vallabhbhai Patel International Airport (SVPIA) by Airport Authority of India (AAI). 14th Feb 2020 - Ahmedabad International Airport Ltd (AIAL) has entered into the Concession Agreement with AAI. 7th Nov 2020 – AIAL commenced operation of SVPIA In compliance with this concession agreement, [Commercial Operation Date (COD)]. 17th June 2021 - Environment Clearance (EC), which was granted vide dtd. 31st July 2006 was transferred from AAI to AIAL. 12th October 2022 – ToR to Consent to Establish (CTE) vide order no. 58203 for Master Plan Development has been obtained by AIAL. 11th November 2022 - Environment Clearance (EC)

for Master Plan development of Sardar Vallabhbha Patel International Airport (SVPIA) was obtained by AIAL.

27.09.2023 - CCA amendment order released as AWH 129314 dated validity up to 20.10.2025.
24.01.2025 – Name change obtained from Adan Ahmedabad International Airport Limited to M/s. Ahmedabad International Airport Limited approval.

25.06.2025 - The renewal and amendment in consolidated consent and authorization for raw water consumption, wastewater generation, new STP capacity and technology upgradation, and hazardous waste category regularization, and now CCA is valid up to 15.05.2030.

	Year of Establishment	:	Commercial Date of Operation (COD): 7th Nov 2020
(v)	Date of last Environment Statement submitted	:	30th Sep 2024

PART – B

Water and Raw Material Consumption

(i) Water Consumption*

Water Consumption	Average Cu. Mtr. /Day
Process	Nil#
Domestic	360
Industrial	240

 # AIAL is an Airport Operator and does not involve in any manufacturing process.

*Details of the Monthly Water Consumption for the period [Apr24 – Mar25] is enclosed as **Annexure – 1**

	Process Water Consumption per Passenger*	
	During the previous financial year (2023-24)	**During the current financial year (2024-25)**
Water consumption per passenger handled*	0.020 KL/ Passenger handled	0.017 KL/ Passenger handled

*** AIAL is an Airport Operator and is not involved in any manufacturing.**

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

(ii) Raw Material Consumption

Name of Raw Material	Name of Products/ passenger handled	Consumption of Raw Material per Unit of output/ Passengers handled	
		During the previous financial year (2023-24)	During the current financial year (2024-25)
Passenger Handled*	Raw material – NA Passenger Handled	Raw Material -NA 11844512	Raw Material -NA 13458584

*** Raw material consumption is not applicable since AIAL is an Airport Operator and does not involve in any manufacturing process so here, however passenger handling details has been provided in above table.**

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

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) Waste Water	**Parameters**	**Avg. Mass Kg/Day**	**Parameters**	**Avg.**	There is no variation from prescribed standards in terms of quality of wastewater discharge. 1. Wastewater generated is treated in existing STP. 2. Treated wastewater during the period April 2024 to March 2025. was utilized for horticulture / landscaping purpose. Summary of Analysis reports of treated water are enclosed as **Annexure – 2**
	pH	--	pH	7.79	
	Total Suspended Solids	4.61	Total Suspended Solids (mg/l)	15.33	
	BOD (5 Days @ 20 °C)	1.99	BOD (5 Days 20°C) (mg/l)	6.62	
	Fecal coliform	--	Fecal coliform (MPN/100ml)	22.98	
(b) Air	**Parameters**	**Avg. Mass Kg/Day**	**Parameters**	**Avg.**	As part of the regular Environment Monitoring , DG set flue gas monitoring is carried out (Half monthly / quarterly). The data of D.G Set Stack Monitoring for FY 2024-25 is enclosed as **Annexure-3** The data of Ambient Air Quality Monitoring(AAQM) is enclosed as **Annexure-4**
	Particulate Matter (PM)	0.036	Particulate Matter (mg/Nm^3)	52.4	
	Sulphur Dioxide (SO_2)	0.06	Sulphur Dioxide (mg/Nm^3)	32.5	
	Nitrogen Oxide (NO_x)	0.05	Nitrogen Oxide (NO_x) (mg/Nm^3)	37.1	

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

PART – D

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

Hazardous Wastes	Category	Disposal Method	Total Quantity (MT)	
			During the previous financial year (2023-24)	During the current financial year (2024-25)
(a) From Process (b) Pollution Control facilities	Used Oil	Recycle (Send to recycler) or reuse	5.76	0.450

*5.67 MT Used Oil generated in FY 2024 was sent to authorized recyclers. Further was also reused for fire drill and machinery lubrication purposes.

**The Used oil generated in FY 2025 is being disposed of by authorized re processor.

PART – E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
(a) From Process (Ash)	Nil	Nil
(b) From Pollution Control facilities	**MSW solid waste management Annexure – 5**	

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

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:

Description of Hazardous /Solid Wastes	Physical Form	Mode of Disposal
Used oil	Liquid hydrocarbon	Collection, Storage, Transportation & Disposal by reuse within premises or selling out to registered recycler/re-processer. As per Hazardous Waste Management Rules 2016.

Hazardous Waste:

- Hazardous Waste at AIAL is managed in accordance with the Hazardous Waste Management Rules, 2016. A dedicated hazardous waste storage facility is maintained for used oil, oil-contaminated filters, and cotton rags prior to disposal.
- All recyclable waste is segregated and recycled, while food waste is composted on-site using an organic waste composter machine.
- AIAL has achieved Zero Waste to Landfill (ZWL) certification from CII, following an audit conducted on February 20–21, 2025.
- We have attained a waste diversion rate exceeding 99.9% from landfill through the adoption and implementation of the 5R principles — Reduce, Reuse, Repurpose, Recycle, and Recover, as detailed in Annexure-6.
- Our sustained commitment to ZWL is demonstrated through ongoing compliance and participation in annual surveillance audits to ensure continued conformance with ZWL principles.

Other solid waste:

- As part of AIAL operations, an effective Solid Waste Management plan has been implemented at the site.
- Waste is collected and segregated at the source, with separate bins provided for dry and wet waste across all locations including Airside, Landside, and Terminals.
- Well-demarcated waste collection points have been established, from where segregated waste is transferred to a dedicated waste yard located at the back end of the airport.
- The waste yard is adequately spaced to allow further segregation of mixed waste. A 500 sq. m shed has been constructed to facilitate segregation of all types of waste before sending them to recyclers.
- Food and wet waste are treated in an organic waste converter, producing nutrient-rich manure that is used for captive horticulture.
- SVPIA is a Zero Waste to Landfill certified airport by CII. All properly segregated waste is handed over to the local authority-recognized agency, M/s. Sharda Enterprises, for further processing in line with the 5R principles — Reduce, Reuse, Reprocess, Recycle, and Recover — ensuring no waste is sent to landfill.

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

- Details of solid waste generated during the compliance period (April 2024 to March 2025) are provided below. Metal waste directly disposed of by AIAL to recyclers is also included in the recyclable waste data.

Month	Recyclable Waste (kg)	Food Waste (Composter) (kg)
April-24	13724	10730
May-24	14113	10990
June-24	14224	10995
July-24	14630	11335
August-24	14668	11340
September-24	14781	11385
October-24	25290	11860
November-24	42130	11500
Decemeber-24	59850	11945
January-25	37300	12005
February-25	32180	10535
March-25	35700	11590

PART – G

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

- ✓ A new 700 KLD STP with MBR based technology has been installed.
- ✓ Treated water is being utilized for horticulture use, cooling tower make up and toilet flushing
- ✓ As System upgradation, we are also proposing to upgrade existing 500 KLD STP plant to 700 KLD MBR based STP in coming months so that our cumulative STP capacity will be integrated 1400 KLD with MBR (Membrane Bio Reactor) based advance technology sewage plant **as per enclosed Annexure 7**
- ✓ The treated wastewater generated from the STP is utilized for gardening and horticulture activity within AIAL premises to conserve freshwater consumption.
- ✓ AIAL is ISO 14001:2015 and 9001:2015 certified airport and compliant airport operator.

Energy Savings

- ✓ Installed **1400 KW** capacity solar panels to be utilized as renewable sources of energy for captive use and to reduce GHG emissions.
- ✓ The conventional lights have been replaced with LED lights in all possible locations in the AIAL area which has reduced total energy consumption.
- ✓ We continue with the temperature of the Chillers increasing from 7°C to 11-12°C as part of maintenance & controlling the temperature inside the Terminal.
- ✓ Re-Engineering: The number of chillers at airport premises is reduced by combining the chiller lines of Arrival & Departure areas as part of energy conservation.
- ✓ Temperature Controllers are installed for AHU operations.

- ✓ VFD drive installed at STP blower and broken diffuser replaced, so that air and energy losses can be avoided.
- ✓ VRV 96HP (12X8) installation at radar building against the OLD reciprocating compressor R-22
- ✓ Cooling towers of 2.8C approach / CTI approved, energy saving around 30 %
- ✓ Presence sensor installation at various officers for lighting control: - around 50 such sensor has been installed in various offices.
- ✓ Air-conditioning in server rooms is localized in place of centralized system to reduce energy consumption.
- ✓ Proactively controlled lighting systems are provided. The landside streetlights are made operational on a timer basis according to the daylights.
- ✓ Solar panels are proposed for streetlights.
- ✓ Sensitization of the team & continuous follow-up is done to further improve the Airport environmental & sustainability aspects.
- ✓ Timely maintenance of AHU's filters & coil, chillers, and cooling towers is being carried out at AIAL. Regular monitoring is being carried out for the same.
- ✓ Four Electrical vehicles (e-vehicles- Follow me vehicle at air side) and Two EV Charging Stations at airside are introduced. Total 62% of our vehicle are now Evs.
- ✓ Airline and ground handling personnel are sensitized to use electric vehicles for tractors & bus coaches.
- ✓ AIAL has implemented specific initiatives to reduce waste generation across the airport operations. The implementation of DigiYatra system enabled digital boarding processes, which has eliminated need for paper boarding passes and resulted in reduction of approximately 4.5 MT of paper waste.* To support the transition towards paperless operations,
- ✓ AIAL installed hand dryers in washroom which has significantly reduced tissue paper waste by 32 MT. Further, this efforts has led to the reduction of 2.57 MT of collection bags which is being used for collection of solid tissue papers from washroom, in the terminal lounges,
- ✓ AIAL phased out 200ml PET water bottles and replaced them with water dispenser and reusable glass bottle, achieving a plastic waste reduction of 23MT.

Water Conservation:

- ✓ As part of water conservation, approximately 100 sensor-based water taps have been installed in all the washrooms of the Terminal building at AIAL.
- ✓ Dry cleaning of solar panels is being carried out at AIAL instead of water wash which saves about 10KL of water per month.
- ✓ 42 Recharging pits are maintained at AIAL as part of rainwater harvesting.
- ✓ Washroom water saving aerator by Neoperal.
- ✓ Cloud based irrigation system at Poly House Nursery and other green cover area reduced water demand by 17000 KL.
- ✓ Treated Water from the STP is utilized for gardening & horticulture purposes.
- ✓ Floor cleaning robots have been implemented which resulted in to 16000 KL water saving.

- The following safeguard measures are taken for the abatement of dust and noise emissions:

- ✓ Regular cleaning of roads.
- ✓ D.G. Set having acoustic enclosures.

Air Management:

- ✓ Ambient Air Quality Monitoring (AAQM) is conducted by engaging a NABL-accredited laboratory.
- ✓ All results have been observed to be within the stipulated standards.
- ✓ The summary of AAQM results for FY 2024–25 is provided in Annexure 8.
- ✓ Environment Monitoring for D.G. Stack Flue Gas Emissions is also carried out by a NABL-accredited laboratory.
- ✓ Data is submitted to the State Pollution Control Board and other regulatory authorities as part of the half-yearly compliance reports.

Noise Monitoring & Mitigation:

- ✓ Standard instrument arrival and departure procedures are implemented to minimize aircraft noise.
- ✓ Pilots are advised to follow Continuous Descent Approach to reduce noise impact.
- ✓ Vehicular noise is controlled by maintaining speed limits and vehicle conditions.
- ✓ DG sets are equipped with acoustic enclosures and mufflers.
- ✓ Regular noise monitoring is conducted at four locations, along with continuous 7-day flight path noise monitoring at three locations, by MoEF&CC/NABL-approved laboratories.
- ✓ Two new continuous online noise monitoring stations have been installed at both ends of the runway.
- ✓ AIAL has conducted a comprehensive noise zoning and mapping study in accordance with DGCA CAR requirements, which has received DGCA approval.
- ✓ Prescribed mitigation measures associated with the noise zone approval are being effectively implemented.
- ✓ A detailed noise monitoring report summary, covering ambient noise level results for the compliance period April 2024 to March 2025

PART – H

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

- ✓ Non-destructive Wildlife Hazard Management techniques are practiced at SVPIA and as part of the same, organic chemical spray is carried out to control weeds & grass.
- ✓ Airside inspection is practiced at regular intervals and accordingly wild animals such as monkeys etc are relocated to safer areas (forest areas) to protect them from any accidents.
- ✓ AIAL has developed & maintained an adequate Green Area and also developed a closed nursery at the airport site.
- ✓ AIAL Budget for environmental management measures for the FY 2024-25 of ~ INR 4639 lakhs was spent. Details are enclosed as per enclosed Annexure – 9

PART – I

Any other particulars for improving the quality of the environment:

Actions for Carbon Emissions Inventory & Carbon Neutrality and social welfare initiatives

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

- ✓ Airport carbon emission inventory has been carried out.
- ✓ We have defined systems for developing annual emission inventory (greenhouse gas emissions) in line with ISO 14064 and ACA Level 4+ requirement, which is the highest-level of accreditation.
- ✓ Based on our baseline emissions and future projections, we have developed a detailed roadmap for achieving carbon neutrality and net zero status in accordance with ACA guidelines.
- ✓ Replacement of R22 refrigerant based AC units with better R32 refrigerant based BEE 5 Star Rated AC's
- ✓ Transition to 100% use of Green Electricity by 2026
- ✓ We have replaced all 273 CO2 fire extinguishers with clean agent type of fire extinguishers as move towards scope 1 emission reduction. All phased out CO2 extinguishers are under disposal program.
- ✓ Achieved 62% EV vehicle at the SVPI airport as fleet decarbonization plan.
- ✓ In the month of Dec 2024, AIAL has carried out water assessment study in consultation with reputed institute TERI. Mitigation measures & adaptation plan will be implemented for attaining water positive status.
- ✓ AIAL Proudly announces a significant environmental milestone: the successful certification as a **Zero Waste to Landfill (ZWL) Platinum—Class I Rated airport by the Confederation of Indian Industry (CII)**.
- ✓ The certification validates SVPIA's outstanding waste diversion practices, with a diversion rate exceeding 99.9%. This achievement results from AIAL's comprehensive implementation of the 5R principles—Reduce, Reuse, Reprocess, Recycle, and Recover.
- ✓ And water positive by 2027
- ✓ **Fleet decarbonization**: out of 67 total vehicles, 41 vehicles were converted to EV vehicles for fleet decarbonization program which resulted into improvement of our EV vehicles ratio from 35 % to 61.5 % EV vehicles.
- ✓ **EV charging station**: 3 new EV charging stations have been installed. 240 KW EV charging station for bus coaches air side operation and 60KW + 10 KW EV charging station at integrated cargo terminal, now our airport has EV charging station
- ✓ **Washroom Water Saving Aerator by Neoperal**: around 135 Nos water taps identified and installed water saving aerators at T1, Cargo, T4, ATC, Fire station etc.
  Estimated 1495 KL water saving per month. with Overall ROI approx. calculated at 0.05 yr. & cost saving of INR 6.1 lacs per annum which is very optimum
- ✓ **Stop using paper towels and Installation of hand dryer across terminals**: as waste management at terminal - ~810 trees saved yearly from being axed owing to replacement of Paper Towels. Reduction of plastic bags used for collection and disposal by 2.5 tons annually. Estimated Reduction of 32 Tons paper waste per annum, - estimated Cost saving of ~INR 66 Lakh y-o-y related to paper towels and continue with touchless hand dryers.
- ✓ **QAAQMS** installation at Airside with 6 different air pollutant monitoring

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

✓ **Waste management initiative**: OWC machine (500 kg per day) capacity installed.

SOCIAL INITIATIVES under ESG program:

Month & Year	Event	Details
June 2024	World Environment Week	Celebrated with the theme *Beat Plastic Pollution* to raise plastic awareness.
June 2024	Blood Donation Camp	Organized to encourage voluntary blood donation.
June 2024	International Yoga Day	Celebrated to promote health and wellness through yoga.
August 2024	Independence Day	National celebration held at the airport premises.
October 2024	Gandhi Jayanti	Theme: *Swachhagrah* — Cleanup drive with public participation across airport premises.
January 2025	Republic Day	Celebrated with patriotic spirit and community involvement.
February 2025	Oral & Dental Health Awareness Program	118 participants attended the awareness session.
March 2025	Safety Week Celebration	Focused on workplace safety and awareness activities.
March 2025	Road Safety Awareness Drive	Driving Safety Event organized with stakeholder support; bike rally from T2 Fire Gate to T1 VIP Parking.
March 2025	Oral & Dental Checkup Camp	Over 230 stakeholders participated in the dental health drive.
March 2025	Helmet Awareness Drive	Crash helmets distributed at affordable prices to promote safe riding.
March 2025	Women's Day Celebration	Honoring women's contributions and promoting gender inclusion

Date: 29/09/2025

(Signature)

Designation: **Chief Airport Officer**

Mr. Nirav Shah

Address: Terminal-1, SVPI Airport Ahmedabad Gujarat-380009

Ahmedabad International Airport Ltd. Ahmedabad

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Annexure – 1

Details of Water Consumption and Treated Water Discharge

Month	Water Consumption			
	Category-1 (Domestic), KL	Category-2 (Industrial), KL	Total, KL	Treated water, KL
April 24	10782	7188	17970	8530
May 24	11253	7502	18755	9144
June 24	10872	7248	18120	9071
Jul 24	11160	7440	18600	8092
Aug 24	11141	7427	18568	10851
Sep 24	10692	7128	17820	10201
Oct 24	10974	7316	18290	8220
Nov 24	10620	7080	17700	9161
Dec 24	11122	7415	18537	9777
Jan 25	11253	7502	18755	9742
Feb 25	10164	6776	16940	8699
Mar 25	11253	7502	18755	8273
Total	**131287**	**87525**	**218812**	**109759**
Per Month	**8768**	**7294**	**16062**	**9147**
Per Day	**360**	**240**	**599**	**300.7**

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Annexure 2

STP Treated Water Characteristic										
Sr. No.		Parameters								Sewage water samples have been collected in STP Outlet, and the samples have been collected to know the quality of the STP Outlet water Quality and ensure compliance with prescribed standards. the Analysis of results of the same are as per table: Detailed Test Reports analyzed by M/s. Hydro Labs Private Limited. The Grab Samples are collected Sewage Treatment Plant (STP) Outlet on a monthly Basis.
	Parameters	pH	TSS	BOD (3D)	COD	Ammoniacal Nitrogen	Total Nitrogen	Total Phosphorus	Fecal coliform	
	Limit as per GSR 1265(E)	6.5 - 9.0	20	10	50	---	10	1	230	
	Month	(@ 25 °C)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	MPN/100ml	
1	Apr-24	8.6	18	9.1	28	7.17	9.39	0.43	21	
2	May-24	8.7	14	5.7	20.16	5.71	7.39	0.36	17	
3	Jun-24	8.4	16	4.2	12.02	5.93	8.74	0.42	6.8	
4	Jul-24	7.2	12	5.2	16.19	5.82	7.84	0.32	5.9	
5	Aug-24	7.3	14	7.27	24	7.95	9.18	0.31	17	
6	Sep-24	7.7	15	7.87	24.2	7.84	8.96	0.37	11	
7	Oct-24	7.9	14	<2	8	6.6	9.18	0.31	17	
8	Nov-24	7.6	15	6.85	24.2	6.49	8.72	0.27	33	
9	Dec-24	7.8	17	5.6	20.16	6.94	8.4	0.51	70	
10	Jan-25	7.8	17	7.83	28.2	7.61	9.24	0.21	21	
11	Feb-25	7.3	15	<2	8.13	5.82	9.88	0.38	23	
12	Mar-25	7.2	17	<2	12.02	5.37	9.18	0.49	33	
	Minimum	**7.20**	**12.00**	**4.20**	**8.00**	**5.37**	**7.39**	**0.21**	**5.90**	
	Maximum	**8.70**	**18.00**	**9.10**	**28.20**	**7.95**	**9.88**	**0.51**	**70.00**	
	Yearly average	**7.79**	**15.33**	**6.62**	**18.77**	**6.60**	**8.84**	**0.37**	**22.98**	

Remarks: Results are satisfactory and well within permissible limits

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Annexure: - 3

Summary of DG set emission: (F2024-25)

Summary of DG set emission:		Parameter Annual Average			Quantity in Mg/Nm³			Running hours of DG set	Pollutant Quantity in Kg		
Stack attached to	Stack No	PM (mg/Nm3)	SO2 (ppm)	NOX (ppm)	PM	SO2 (factor 2.5)	NOx (Factor 1.9)	Hrs. / annum	PM Kg	SO2 Kg	NOx Kg
DG Set 1 (250 KVA, T4 Radar Apron area)	S1	35	23.35	26.05	35	66.8	53.40	52.7	1.1	2.06	1.7
DG Set 2 (250 KVA, T4 Radar Apron area)	S2	34.7	22.15	25.65	35	63.3	52.58	77.3	1.6	2.84	2.4
DG Set 3 (1500 KVA, T2 Substation)	S3	64.15	36.75	43.45	64	105.1	89.07	10.02	1.0	1.57	1.3
DG Set 4 (1500 KVA, T2 Substation)	S4	64.35	42.9	47.6	64	122.7	97.58	6.04	0.7	1.27	1.0
DG Set 5 (1500 KVA, T2 Substation)	S5	69.55	43.65	47.6	70	124.8	97.58	6.7	0.9	1.53	1.2
DG Set 6 (1500 KVA, T2 Substation)	S6	71.3	45	49.7	72	128.7	101.89	7.01	0.8	1.47	1.2
DG Set 7 (750 KVA, T2 Substation)	S7	52.65	36.05	39.85	53	103.1	81.69	14.4	0.1	0.24	0.2
DG Set 8 (320 KVA, T3 Powerhouse)	S8	47.55	27.25	28.95	48	77.9	59.35	14.4	0.9	1.54	1.2
DG Set 9 (500 KVA, T1 Powerhouse)	S9	48	28.4	30.35	48	81.2	62.22	21.8	1.1	1.89	1.4
DG Set 10 (500 KVA, T1 Powerhouse)	S10	54	30.95	44.7	54	88.5	91.64	8.4	0.5	0.78	0.8
DG Set 11 (500 KVA, T1 Powerhouse)	S11	51.9	29.35	36.35	52	83.9	74.52	30	1.9	3.02	2.7
DG Set 12 (500 KVA, T1 Powerhouse)	S12	48.7	33.45	36.6	49	95.7	75.03	13	0.4	0.85	0.7
DG Set 13 (500 KVA, T1 Powerhouse)	S13	52.5	31	35.95	53	88.7	73.70	23	0.8	1.41	1.2
DG Set 14 (500 KVA, T1 Powerhouse)	S14	46.8	30.85	32.4	47	88.2	66.42	19	0.6	1.15	0.9
DG Set 15 (320 KVA, T3 Powerhouse)	S15	44.05	26.45	32.3	44	75.6	66.22	14.4	0.9	1.58	1.4
					52.5	92.9	76.1	**Total**	**13.2**	**23.2**	**19.1**
					PM	SO2	NOx		PM Kg	SO2 Kg	NOx Kg
					mg/Nm3	mg/Nm3	mg/Nm3	**Avg. Mass Kg/Day**	0.036	0.06	0.05

Conclusion:

Stack Sampling and analysis done as Per IS 11255 standards on Six Monthly Basis and All results found satisfactory.

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad
(PCB ID: 10150)

Annexure 4: Ambient Air Quality (AAQM)

Ambient Air Quality (AAQ)

Sampling was carried out twenty-four hours at each station for one month using pre-calibrated Respirable Dust Samplers. In each of the stations earmarked, samples were collected for SO_2, NO_2, Fine Particulate Matter $PM_{2.5}$ (FPM), Respirable Particulate Matter PM_{10} (RPM) samples were collected at twenty-four hourly and Ozone, Hydrocarbons were collected at eight hourly and same were sent to Laboratory for analysis.
The ambient air quality has been established through a scientifically designed ambient air quality-monitoring network and is based on the following considerations:

- Main Airport Activities like vehicular Movement and core operational areas of the terminal Outside and Air Side.
- Representatives of likely impact areas.

The Ambient Air Quality Monitoring (AAQM) stations were set up at four locations with due consideration to the above-mentioned points and as per the MoEFCC guidelines.

To assess the Environment monitoring at Ahmedabad International Airport Limited., parameters like Fine Respirable Particulate Matter (FRPM), Respirable Particulate Matter (RPM) Sulfur Dioxide (SO_2), Nitrogen Dioxide (NO_2), Ozone(O3) and Hydrocarbons (HC). The details of the sampling locations are given below in

AMBIENT AIR QUALITY MONITORING LOCATIONS

Location Code	Name of the Location
AAQ1	Near STP Colony-Air Side
AAQ2	Near AMU Behind T4-Air Side
AAQ3	Near Meghani Nagar
AAQ4	Near Nobel Nagar

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Overall AAQMS all four-location results FY 2024-25

	PM2.5	PM10	SO2	NO2	O3	CO	HC
Minimum	31.10	60.35	20.66	19.50	10.10	492.00	BDL
Minimum	28.26	55.08	20.07	21.97	11.30	479.00	BDL
Minimum	22.16	49.50	10.33	11.26	10.30	430.00	BDL
Minimum	18.97	45.73	9.15	9.89	9.50	434.00	BDL
	18.97	45.73	9.15	9.89	9.50	430.00	BDL
Maximum	45.53	80.15	26.04	27.80	15.80	540.00	BDL
Maximum	38.04	68.79	24.84	27.11	14.90	538.00	BDL
Maximum	30.20	61.36	16.52	19.23	13.80	470.00	BDL
Maximum	29.20	59.14	17.16	19.23	14.20	477.00	BDL
	45.53	80.15	26.04	27.80	15.80	540.00	BDL
Average	39.23	73.83	23.68	25.76	13.81	521.72	BDL
Average	34.29	64.50	23.22	25.21	13.69	514.80	BDL
Average	26.43	56.43	14.42	17.30	12.30	454.54	BDL
Average	24.75	51.90	13.62	15.67	11.70	452.19	BDL
	31.18	61.67	18.74	20.99	12.88	485.81	BDL
98%le	44.23	79.05	25.22	27.40	15.57	535.86	BDL
98%le	37.67	68.06	24.67	26.63	14.69	533.44	BDL
98%le	29.32	60.18	16.22	18.90	13.40	464.86	BDL
98%le	28.14	56.77	16.56	18.76	13.33	469.00	BDL
	43.83	78.39	25.18	27.35	15.52	535.71	BDL
NAAQ Standards for 24 Time Weighted Average	60	100	80	80	100 (8hrs TWA)	2000	--

Conclusion: The sampling is done in four locations for a sampling period of 24 hours. The observed L-Day and L-Night Monitored Values were found to be well within the prescribed limits of Latest Notification on 18th June 2018- GSR 568(E).

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ1						
	Location Name: Near STP Colony-Air Side						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
02.04.2024	35.39	64.73	24.29	25.74	15.3	532	BDL
05.04.2024	36.2	66.04	24.46	26.07	15.4	535	BDL
09.04.2024	37.36	67.76	23.57	25.74	15.1	527	BDL
12.04.2024	35.89	65.2	23.84	26.41	14.6	523	BDL
16.04.2024	36.58	66.91	24.62	26.74	14.4	521	BDL
19.04.2024	38.36	69.16	23.57	26.07	14.2	526	BDL
23.04.2024	37.46	67.95	24.62	26.74	13.7	523	BDL
26.04.2024	39.06	70.2	25.14	27.41	14.2	529	BDL
30.04.2024	38.13	69.3	24.35	25.74	14.4	531	BDL
03.05.2024	36.84	66.76	23.13	24.72	14	528	BDL
07.05.2024	38.12	67.45	24.14	25.63	13.8	524	BDL
10.05.2024	40.09	70.26	24.83	26.09	14.1	526	BDL
14.05.2024	38.11	67	22.65	24.26	13.4	508	BDL
17.05.2024	40.61	71.49	24.66	25.63	14.5	531	BDL
21.05.2024	38.08	68.15	23.4	24.99	13.7	528	BDL
24.05.2024	37.16	67.37	24.09	25.82	13.4	526	BDL
28.05.2024	39.59	70.22	24.48	26.37	13.6	532	BDL
31.05.2024	38.4	68.85	23.86	25.54	13.8	531	BDL
03.06.2024	40.15	70.22	23.33	25.27	13.2	523	BDL
07.06.2024	41.36	72.08	24.4	26.37	13.5	524	BDL
11.06.2024	40.84	71.24	23.94	26.09	14.3	529	BDL
14.06.2024	37.55	68.14	24.68	26.92	15.1	536	BDL
18.06.2024	39.12	69.78	25.08	27.46	14.5	524	BDL
21.06.2024	36.18	65.21	23.71	26.37	15.3	516	BDL
23.06.2024	38.59	67.71	22.58	25.54	15.8	522	BDL
25.06.2024	37.21	64.38	23.1	25.82	15.4	526	BDL
28.06.2024	39	67.18	22.65	24.72	15.2	514	BDL
02.07.2024	37.74	60.35	23.47	25.54	15.4	503	BDL
05.08.2024	38.31	65.86	23.1	24.99	15.6	507	BDL
09.07.2024	39.87	68.6	21.98	23.89	15.8	514	BDL
12.07.2024	36.52	65.17	22.58	24.72	14.7	492	BDL
16.07.2024	37.94	66.79	23.18	25.54	14.8	504	BDL
19.07.2024	36.42	64.68	22.2	24.44	14.5	507	BDL
23.07.2024	37.74	66.39	23.55	26.09	14.2	514	BDL
26.07.2024	38.16	68.08	22.36	25.82	13.5	517	BDL
30.07.2024	35.85	64.29	21.61	24.44	12.7	506	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ1						
	Location Name: Near STP Colony-Air Side						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
02.08.2024	37.11	66.47	22.95	24.99	13.4	511	BDL
06.08.2024	39.26	69.1	21.61	24.44	13.7	514	BDL
09.08.2024	37.51	68.36	22.88	24.72	13.1	509	BDL
13.08.2024	39.16	69.78	23.77	25.54	13.4	513	BDL
16.08.2024	40.59	71.24	23.18	24.99	14.1	522	BDL
20.08.2024	42	73.79	22.65	24.44	13.8	520	BDL
23.08.2024	40.33	70.41	23.25	24.99	14.2	517	BDL
27.08.2024	31.1	64.22	20.66	19.5	12.7	495	BDL
30.08.2024	35.74	68.36	22.8	23.07	13.2	502	BDL
03.09.2024	33.09	64.22	24.13	24.72	12.7	517	BDL
06.09.2024	34.59	66.48	23.55	24.17	13.2	520	BDL
10.09.2024	36.88	69.3	22.73	23.89	12.6	514	BDL
13.09.2024	38.05	71.11	23.63	24.99	12.2	520	BDL
15.09.2024	36.49	69.26	23.1	24.44	12.8	516	BDL
17.09.2024	38.26	72.79	22.43	23.89	12.2	510	BDL
20.09.2024	36.35	71.75	21.75	23.07	12.9	518	BDL
24.09.2024	37.11	70.52	22.42	23.62	13.2	517	BDL
27.09.2024	34.26	66.36	23.85	24.99	13.8	523	BDL
01.10.2024	35.48	68.77	23.1	24.44	10.1	514	BDL
04.10.2024	34.1	67.7	23.93	25.82	13.8	518	BDL
08.10.2024	35.36	69.48	23.03	24.72	13.5	525	BDL
12.10.2024	34.38	66.26	22.36	24.17	13.2	520	BDL
15.10.2024	36.48	69.9	22.5	24.99	13.5	529	BDL
18.10.2024	35.77	68.15	23.4	25.4	13.7	524	BDL
22.10.2024	34.49	65.26	24	26.09	14.9	529	BDL
25.10.2024	36.08	67.79	24.37	26.68	14.1	521	BDL
29.10.2024	37.85	70.32	23.55	25.82	14.6	514	BDL
01.11.2024	35.61	68.11	23.14	25.06	14.1	506	BDL
05.11.2024	37.89	70.24	24.08	25.75	13.4	510	BDL
08.11.2024	39.24	73.78	22.99	26.2	13.6	514	BDL
12.11.2024	38.42	72.11	22.11	25.06	13.2	508	BDL
15.11.2024	36.89	68.59	23.12	25.97	13.5	513	BDL
19.11.2024	39.05	70.21	23.91	26.2	13.8	524	BDL
22.11.2024	38.78	69.14	24.4	26.66	13.4	529	BDL
26.10.2024	40.04	70.89	23.69	26.2	13.8	534	BDL
29.11.2024	41.86	72.15	24.24	26.66	14.2	536	BDL
03.12.2024	40.12	70.88	23.26	25.98	13.8	532	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ1						
	Location Name: Near STP Colony-Air Side						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
06.12.2024	42.7	74.28	24.12	25.06	14.2	535	BDL
08.12.2024	44.25	75.77	22.82	24.61	14.5	529	BDL
10.12.2024	43.25	72.69	23.51	25.52	14	523	BDL
13.12.2024	44.08	74.48	22.94	25.97	14.3	519	BDL
17.12.2024	42.56	72.3	23.65	26.43	14.6	523	BDL
20.12.2024	43.25	73.59	23.02	25.75	15.1	529	BDL
24.12.2024	44.3	75.24	22.6	25.06	14.7	524	BDL
27.12.2024	45.53	77.16	23.65	25.97	14.3	518	BDL
31.12.2024	43.04	74.58	24.22	26.43	14	525	BDL
03.01.2025	40	76.41	23.4	25.52	13.4	504	BDL
07.01.2025	38.79	73.14	24.16	26.2	13.8	509	BDL
10.01.2025	41.55	77.8	23.61	25.52	14.2	521	BDL
14.01.2025	40.08	76.21	24.36	26.43	14.8	512	BDL
17.01.2025	42.36	78.91	25.12	27.34	15.3	529	BDL
21.01.2025	41.04	75.26	24.04	26.2	15	524	BDL
24.01.2025	39.89	74.38	24.61	26.89	14.5	532	BDL
28.01.2025	40.2	78	25.55	27.11	14.1	522	BDL
31.01.2025	42.3	80.15	26.04	27.8	14.8	540	BDL
04.02.2025	40.94	77.23	24.91	27.05	14.2	528	BDL
07.02.2025	39.26	79.07	24.03	26.34	14.8	535	BDL
11.02.2025	38.45	76.4	25.23	27.28	15.1	511	BDL
14.02.2025	40.47	79.77	23.98	25.87	14.5	507	BDL
18.02.2025	38.2	74.1	23.07	25.17	14.1	519	BDL
21.02.2025	40.05	77.84	23.55	25.64	13.3	526	BDL
25.02.2025	36.3	75.84	24.17	26.11	13.5	521	BDL
28.02.2025	39.44	78.08	23.57	26.58	12.9	532	BDL
04.03.2025	38.12	76.32	23.09	25.64	13.4	524	BDL
07.03.2025	38.46	77.08	23.38	25.81	12.9	520	BDL
11.03.2025	37.51	76.28	23.05	24.18	12.6	518	BDL
14.03.2025	37.34	76.02	23.13	24.01	12.5	515	BDL
18.03.2025	37.49	76.15	23.2	24.35	12.6	517	BDL
21.03.2025	37.85	76.42	23.52	24.69	12.8	518	BDL
23.03.2025	39.32	77.89	22.88	24.17	13.4	514	BDL
25.03.2025	35.36	74.89	24	25.54	12.4	522	BDL
28.03.2025	36.94	77.48	23.18	24.72	13.1	528	BDL
Minimum	**31.1**	**60.35**	**20.66**	**19.5**	**10.1**	**492**	**BDL**
Maximum	**45.53**	**80.15**	**26.04**	**27.8**	**15.8**	**540**	**BDL**

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ1						
	Location Name: Near STP Colony-Air Side						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
Average	39.23	73.83	23.68	25.76	13.81	521.72	BDL
98%le	44	79	25	27	16	536	BDL
NAAQ Standards for 24 Time weighted Average	60	100	80	80	100 (8hrs TWA)	2000	--

Date of Sampling	Location Code: AAQ2						
	Location Name: AMU Behind T4						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
02.04.2024	31.23	58.3	22.02	23.06	12.5	511	BDL
05.04.2024	30.69	57.04	21.32	22.39	12.7	513	BDL
09.04.2024	32.1	59.86	21.81	23.4	12.6	511	BDL
12.04.2024	31.22	58.04	21.04	23.06	12.4	508	BDL
16.04.2024	32.34	58.79	21.46	23.4	12.7	511	BDL
19.04.2024	35.02	61.12	22.16	23.06	12.8	513	BDL
23.04.2024	34.33	58.49	22.69	24.4	12.6	509	BDL
26.04.2024	36.04	59.12	23.37	25.07	12.7	510	BDL
30.04.2024	37.21	62.36	22.76	24.07	12.4	508	BDL
03.05.2024	35.32	61.16	21.86	23.34	12.2	505	BDL
07.05.2024	34	60.24	20.4	22.43	12.1	507	BDL
10.05.2024	35.23	62.49	21.28	23.34	12.2	509	BDL
14.05.2024	33.47	59.6	20.13	21.97	11.4	498	BDL
17.05.2024	36.05	63.68	21.9	24.26	12.3	507	BDL
21.05.2024	34.26	61.14	22.48	23.89	12.1	504	BDL
24.05.2024	35.22	62.79	23.02	24.44	12.4	506	BDL
28.05.2024	36.85	65.1	23.56	25.27	12.7	509	BDL
31.05.2024	34.46	63.28	23.1	24.72	13.1	513	BDL
03.06.2024	33.08	61.74	22.33	24.17	12.5	507	BDL
07.06.2024	32.32	59.79	23.02	24.72	12.8	515	BDL
11.06.2024	34.74	63.22	22.12	23.89	13.2	521	BDL
14.06.2024	33.25	65.19	23.18	24.72	13.8	514	BDL
18.06.2024	32.46	63.32	22.49	24.17	13.5	506	BDL
21.06.2024	29.35	58.25	21.29	22.8	12.7	492	BDL
23.06.2024	31	61.79	22.05	23.34	13.2	498	BDL
25.06.2024	28.91	57.62	22.95	24.44	13.5	504	BDL
28.06.2024	30.09	59.26	21.9	23.62	13	506	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ2						
	Location Name: AMU Behind T4						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
02.07.2024	28.84	57.04	22.88	24.44	13.3	497	BDL
05.08.2024	31.24	60.32	22.36	23.62	13.5	500	BDL
09.07.2024	32.36	61.79	21.07	22.52	13.7	504	BDL
12.07.2024	30.41	57.61	21.98	23.34	13.4	497	BDL
16.07.2024	31.56	59.22	20.93	22.8	13.8	501	BDL
19.07.2024	28.26	57.09	21.45	23.84	13.8	501	BDL
23.07.2024	29.18	58.74	22.05	24.99	13.2	504	BDL
26.07.2024	32.22	61.89	23.1	25.27	13.5	506	BDL
30.07.2024	31.05	58	22.06	23.89	13.1	498	BDL
02.08.2024	33.19	60.38	22.5	24.44	13.5	503	BDL
06.08.2024	34.53	62.06	23.25	25.27	13.1	504	BDL
09.08.2024	32.87	60.53	23.93	25.54	12.5	501	BDL
13.08.2024	34.26	63.4	24.51	26.37	12.7	505	BDL
16.08.2024	36.18	64.22	24.22	26.09	13	508	BDL
20.08.2024	37.89	65.5	23.85	25.54	13.2	512	BDL
23.08.2024	36.24	63.77	24.14	26.09	13.5	506	BDL
27.08.2024	33.69	55.08	20.07	22.25	11.8	479	BDL
30.08.2024	34.85	59.08	21.91	23.62	12.6	491	BDL
03.09.2024	31.4	56.49	22.95	24.44	12.2	485	BDL
06.09.2024	32.11	57.79	22.06	23.07	12.7	501	BDL
10.09.2024	33.62	59	21.38	22.52	12.2	504	BDL
13.09.2024	34.2	61.6	22.43	23.34	12.7	509	BDL
15.09.2024	35.08	63.1	22.8	24.17	12.1	502	BDL
17.09.2024	33.26	60.46	22.43	23.34	11.6	506	BDL
20.09.2024	34.78	64	23.18	24.44	11.3	501	BDL
24.09.2024	33.64	62.15	22.12	23.89	12.1	505	BDL
27.09.2024	31.42	59.8	23.25	25.54	12.6	510	BDL
1.10.2024	32.85	61.19	22.5	25.27	12.4	502	BDL
04.10.2024	29.89	56.6	22.88	26.09	12.9	504	BDL
08.10.2024	31.05	59.77	23.48	25.27	12.4	505	BDL
12.10.2024	32.32	61.08	23.1	24.44	12.8	508	BDL
15.10.2024	31.25	59.9	24	25.27	13.1	504	BDL
18.10.2024	33.57	63.25	24.3	25.82	12.8	508	BDL
22.10.2024	31.25	62.49	23.25	25.27	13.2	504	BDL
25.10.2024	32.49	64.26	23.78	25.82	13.4	506	BDL
29.10.2024	31.04	62.85	22.95	24.99	13.8	512	BDL
01.11.2024	29.84	59.1	22.11	24.38	13.4	501	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ2						
	Location Name: AMU Behind T4						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
05.11.2024	32.24	63.34	23.06	25.29	13.7	502	BDL
08.11.2024	31.03	61.16	22.26	24.61	13.1	513	BDL
12.11.2024	33.59	64.7	22.7	25.52	12.5	515	BDL
15.11.2024	35.41	66.2	23.85	26.2	12.8	517	BDL
19.11.2024	34.74	64.98	23.48	25.97	13.2	528	BDL
22.11.2024	35.59	66.3	24.12	26.43	13.6	523	BDL
26.11.2024	37.1	68.15	24.69	27.11	13.4	519	BDL
29.11.2024	36.45	67.74	24.38	26.43	13.8	522	BDL
03.12.2024	34.89	64.26	23.69	25.75	13.4	517	BDL
06.12.2024	36.23	65.89	24.84	26.43	13.8	520	BDL
08.12.2024	37.74	67.26	24.1	26.2	14.2	515	BDL
10.12.2024	35.89	64.6	24.79	26.66	14.7	507	BDL
13.12.2024	34.11	61.89	21.95	25.75	14.7	508	BDL
17.12.2024	35.48	64.26	22.52	25.29	14.3	502	BDL
20.12.2024	34.65	63.33	21.74	24.84	14.5	506	BDL
24.12.2024	36.12	65.6	22.31	25.52	14.6	500	BDL
27.12.2024	34.56	62.46	23.09	26.43	14.2	507	BDL
31.12.2024	37.21	64	23.94	26.89	14.6	515	BDL
03.01.2025	38.04	67.3	22.83	25.97	13.7	508	BDL
07.01.2025	35.89	64.49	23.39	25.06	14.9	517	BDL
10.01.2025	37.08	68.11	24.47	26.2	14.2	526	BDL
14.01.2025	34.04	65.29	23.94	25.29	13.8	521	BDL
17.01.2025	32.28	63.49	22.73	24.61	13	503	BDL
21.01.2025	34.78	66.69	22.03	24.15	12.4	489	BDL
24.01.2025	33	62.8	22.88	24.84	12.8	501	BDL
28.01.2025	35.58	65.2	23.69	25.52	13.6	509	BDL
31.01.2025	36.9	67.19	24.18	25.97	14	515	BDL
04.02.2025	34.77	64.44	23.32	25.4	13.7	519	BDL
07.02.2025	32.41	62.26	22.71	24.93	13.5	514	BDL
11.02.2025	34.09	64	23.85	25.87	14.1	503	BDL
14.02.2025	36.88	67.64	22.52	24.93	13.7	514	BDL
18.02.2025	34.59	65.37	21.73	23.99	13.2	530	BDL
21.02.2025	36	67.08	24.22	24.46	13.6	534	BDL
25.02.2025	34.46	68.79	22.95	23.99	14.2	538	BDL
28.02.2025	33.08	64.7	22.35	23.52	14.5	521	BDL
04.03.2025	34.59	67.4	23.09	24.49	14.2	529	BDL
07.03.2025	35.01	67.58	23.15	24.51	14.4	530	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ2						
	Location Name: AMU Behind T4						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
11.03.2025	34.95	66.21	22.65	24.12	14.2	527	BDL
14.03.2025	34.57	65.84	22.79	23.68	14	526	BDL
18.03.2025	35.02	65.99	22.87	23.91	14.3	528	BDL
21.03.2025	35.26	66.15	23.05	24.42	14.5	530	BDL
23.03.2025	34.05	64.1	22.43	23.62	14.1	510	BDL
25.03.2025	32.16	63.22	22.8	24.44	14	538	BDL
28.03.2025	33.37	64.86	22.4.3	23.62	13.6	529	BDL
Minimum	**28.26**	**55.08**	**20.07**	**21.97**	**11.3**	**479**	**BDL**
Maximum	**38.04**	**68.79**	**24.84**	**27.11**	**14.9**	**538**	**BDL**
Average	**34.29**	**64.5**	**23.22**	**25.21**	**13.69**	**514.8**	**BDL**
98%le	**38**	**68**	**25**	**27**	**15**	**533**	**BDL**
NAAQ Standards for 24 Time weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

Date of Sampling	Location Code: AAQ3						
	Location Name: Meghani Nagar						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
02.04.2024	25.61	52.86	14.15	16.04	11.3	450	BDL
05.04.2024	24.25	50.34	13.8	15.38	11.2	448	BDL
09.04.2024	25.41	52.06	13.02	14.71	11.4	446	BDL
12.04.2024	26.17	54.21	13.67	15.04	11.1	451	BDL
16.04.2024	25.3	52.67	16.19	15.71	11.3	454	BDL
19.04.2024	27.04	54.4	14.77	16.71	11.5	458	BDL
23.04.2024	26.32	53.03	14.07	16.04	11.3	456	BDL
26.04.2024	27.76	55.18	14.69	17.05	11.6	457	BDL
30.04.2024	28.41	56.79	15.35	18.04	11.4	453	BDL
03.05.2024	26.89	54.89	14.49	17.39	11.2	450	BDL
07.05.2024	28.04	55.86	15.3	18.32	11.4	457	BDL
10.05.2024	26.43	57.08	16.21	19.23	11.6	454	BDL
14.05.2024	27.14	52.4	15.1	17.85	11.2	448	BDL
17.05.2024	28.04	55.74	16.11	18.77	11.4	455	BDL
21.05.2024	27.45	53.29	15.55	18.13	11.3	452	BDL
24.05.2024	28.94	55.68	16.11	18.68	11.7	453	BDL
28.05.2024	29.35	56.54	16.52	19.23	11.4	449	BDL
31.05.2024	28.43	55	16.22	18.4	11.6	455	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ3						
	Location Name: Meghani Nagar						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
03.06.2024	26.26	53.14	15.3	17.85	11.4	452	BDL
07.06.2024	27.08	54.79	14.79	17.03	11.8	453	BDL
11.06.2024	27.74	56.55	15.91	18.13	12.4	460	BDL
14.06.2024	25.25	54.28	15.05	17.03	11.7	462	BDL
18.06.2024	26.78	56.79	14.29	16.2	11.5	457	BDL
21.06.2024	23.54	51.4	13.14	15.11	10.7	446	BDL
23.06.2024	22.46	53.22	14.04	16.2	11.2	450	BDL
25.06.2024	22.46	50.22	12.52	15.65	11.6	454	BDL
28.06.2024	23.32	51.77	13.65	16.2	11.8	456	BDL
02.07.2024	23.85	52.49	14.26	16.48	11.4	449	BDL
05.08.2024	25.04	55.21	13.41	15.93	11.7	456	BDL
09.07.2024	26.24	56.62	14.15	16.75	12.1	461	BDL
12.07.2024	24.16	53.49	15.35	17.85	11.3	453	BDL
16.07.2024	24.88	54.65	14.5	17.3	11.7	457	BDL
19.07.2024	23.35	51.47	13.8	16.2	10.6	453	BDL
23.07.2024	24.06	52.24	14.7	16.75	10.8	455	BDL
26.07.2024	25.68	55.17	15.5	17.58	11.3	450	BDL
30.07.2024	22.71	51.04	14.36	16.48	11.4	439	BDL
02.08.2024	24.19	53.73	15.1	16.75	11.7	442	BDL
06.08.2024	26.28	56.18	14.31	17.58	12.1	446	BDL
09.08.2024	25.53	53.49	13.61	16.2	12.5	451	BDL
13.08.2024	27.19	55.62	14.41	16.48	11.8	442	BDL
16.08.2024	27.46	57.31	13.61	15.93	12.2	447	BDL
20.08.2024	29.17	59.76	12.75	15.38	12.7	452	BDL
23.08.2024	28.46	57.08	13.56	16.48	12.4	453	BDL
27.08.2024	22.16	49.5	10.33	11.26	10.3	430	BDL
30.08.2024	25.95	54.1	11.92	12.91	11.1	441	BDL
03.09.2024	23.11	51.59	13.18	14.28	11.8	443	BDL
06.09.2024	24.55	53.4	14.01	15.11	11.4	438	BDL
10.09.2024	26.34	55.21	13.31	14.56	11.2	442	BDL
13.09.2024	28	57.77	13.76	15.65	11.5	446	BDL
15.09.2024	27.26	56.19	12.97	14.83	11.8	453	BDL
17.09.2024	25.01	52.6	13.76	15.65	11.4	452	BDL
20.09.2024	26.74	54.88	14.3	16.48	11.1	456	BDL
24.09.2024	27.59	56.2	13.63	16.2	10.8	454	BDL
27.09.2024	26	55.61	14.61	17.03	11	460	BDL
01.10.2024	27.16	57.49	13.8	16.2	10.7	457	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ3 Location Name: Meghani Nagar Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
04.10.2025	25.13	54.84	14.95	16.48	11.2	461	BDL
08.10.2024	26.04	55.63	15.65	17.03	11.5	465	BDL
12.10.2024	25.46	54.54	15.05	16.2	11.7	462	BDL
15.10.2024	24.2	52.13	14.25	17.3	11.4	458	BDL
18.10.2024	25.6	54.59	13.65	16.48	11.1	451	BDL
22.10.2024	23.89	51.18	13.12	15.38	11.6	457	BDL
25.10.2024	25.14	53.49	14.21	16.2	11.8	452	BDL
29.10.2024	26.23	55.07	13.35	15.65	12.2	456	BDL
01.11.2024	24.46	52.2	12.74	15.04	11.5	449	BDL
05.11.2024	25.79	53.47	12.41	15.95	11.2	443	BDL
08.11.2024	27.05	56.12	13.24	16.4	11.7	448	BDL
12.11.2024	23.24	51.41	14.74	17.54	11.4	452	BDL
15.11.2024	27.46	57.31	13.61	15.93	12.2	447	BDL
19.11.2024	23.76	53.89	14.4	17.09	11.8	456	BDL
22.10.2024	25.32	55.24	13.78	16.63	12.1	453	BDL
26.10.2024	26.49	56.88	14.36	17.32	12.5	458	BDL
29.11.2024	27.88	58.21	14.97	18	12.8	455	BDL
03.12.2024	25	55.49	13.64	16.86	12.4	447	BDL
06.12.2024	25.86	57	14.79	17.54	12.7	451	BDL
08.12.2024	26.35	58.84	15.69	18.23	12.5	447	BDL
10.12.2024	27.69	59.72	16.43	18	12.7	450	BDL
13.12.2024	26.52	57.43	15.58	18.23	13.1	452	BDL
17.12.2024	27.98	59.05	15.01	17.54	13.4	456	BDL
20.12.2024	27.08	57.76	15.49	18	13.7	460	BDL
24.12.2024	28.35	60.22	14.78	17.32	13.4	458	BDL
27.12.2024	27.79	56.36	13.74	16.86	13.8	465	BDL
31.12.2024	28.96	58.11	14.3	17.54	13.4	462	BDL
03.01.2025	26.33	56.7	14.93	18	12.8	457	BDL
07.01.2025	28.4	59.94	14.26	18.68	13.2	461	BDL
10.01.2025	29.8	61.36	15.17	17.32	12.3	455	BDL
14.01.2025	26.36	57.13	14.59	16.4	12.7	464	BDL
17.01.2025	24.87	54.9	15.1	17.09	12.2	461	BDL
21.01.2025	26.07	57.48	14.02	16.18	12.7	457	BDL
24.01.2025	27.26	59.11	14.78	17.32	13.2	462	BDL
28.01.2025	28.5	58.4	13.93	18.23	12.4	470	BDL
31.01.2025	30.2	60.72	14.59	18.91	12.7	462	BDL
04.02.2025	28.2	56.84	13.86	17.64	12.4	459	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ3 Location Name: Meghani Nagar Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
07.02.2025	26.77	54.3	14.61	18.58	12.8	451	BDL
11.02.2025	27.4	55.7	13.72	17.64	12.4	447	BDL
14.02.2025	28.74	57.9	14.66	18.58	12.1	451	BDL
18.02.2025	25.3	55.08	15.42	18.82	11.5	443	BDL
21.02.2025	26.36	58.7	14.67	17.88	12.2	449	BDL
25.02.2025	25.14	55.06	15.53	18.58	12	443	BDL
28.02.2025	27.19	58.63	14.5	18.35	12.7	458	BDL
04.03.2025	26.57	57	13.5	17.64	12.1	453	BDL
07.03.2025	26.62	57.17	14.18	18.1	12.5	450	BDL
11.03.2025	26.45	56.83	13.86	17.64	12.2	448	BDL
14.03.2025	26.24	56.35	13.95	17.27	12	446	BDL
18.03.2025	26.52	56.53	14.02	17.54	12.3	449	BDL
21.03.2025	26.81	56.92	14.32	17.69	12.4	451	BDL
23.03.2025	25.46	55.38	14.95	16.48	12.1	453	BDL
25.03.2025	23.33	53.96	15.4	17.58	12.2	459	BDL
28.03.2025	24.5	55.43	14.5	17.3	12.6	458	BDL
Minimum	**22.16**	**49.5**	**10.33**	**11.26**	**10.3**	**430**	**BDL**
Maximum	**30.2**	**61.36**	**16.52**	**19.23**	**13.8**	**470**	**BDL**
Average	**26.43**	**56.43**	**14.42**	**17.3**	**12.3**	**454.54**	**BDL**
98%le	**29**	**60**	**16**	**19**	**13**	**465**	**BDL**
NAAQ Standards for 24 Time weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

Date of Sampling	Location Code: AAQ4 Location Name: Nobel Nagar Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
02.04.2024	24.98	47	13.45	15.04	11.5	469	BDL
05.04.2024	25.76	48.76	14.15	15.71	11.7	466	BDL
09.04.2024	26.29	49.13	14.42	16.04	11.5	464	BDL
12.04.2024	27	50.79	14.9	16.38	11.8	467	BDL
16.04.2024	26.2	49.34	14.25	16.04	11.6	465	BDL
19.04.2024	27.89	50.89	15.13	17.05	11.8	468	BDL
23.04.2024	25.39	48.56	14.6	16.38	11.5	467	BDL
26.04.2024	26.11	51.08	15.58	17.72	11.7	469	BDL
30.04.2024	26.45	52.74	16.23	18.72	11.5	465	BDL
03.05.2024	24.57	49.87	15.76	17.85	11.3	464	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ4						
	Location Name: Nobel Nagar						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
07.05.2024	25.34	50.13	16.57	18.77	11.5	467	BDL
10.05.2024	23.85	48.26	14.95	17.39	11.7	468	BDL
14.05.2024	22.12	47.04	14.09	16.48	11.1	457	BDL
17.05.2024	24.62	51.09	15.6	17.85	11.8	466	BDL
21.05.2024	23.59	48	14.63	17.03	11.5	461	BDL
24.05.2024	24.26	50.32	15.35	17.58	11.7	463	BDL
28.05.2024	23	49.45	14.84	16.75	11.4	462	BDL
31.05.2024	21.87	48.13	14.38	16.2	11.1	466	BDL
03.06.2024	23.08	49.74	14.84	17.03	10.7	462	BDL
07.06.2024	24.85	51.15	15.4	17.58	11.4	463	BDL
11.06.2024	25.42	52.79	14.24	16.2	10.1	434	BDL
14.06.2024	23.68	51.04	13.55	15.38	10.5	441	BDL
18.06.2024	25.23	53.5	14.74	16.48	10.3	437	BDL
21.06.2024	22.08	47.74	13.59	15.38	9.5	434	BDL
23.06.2024	24.17	48.94	14.5	16.75	10	440	BDL
25.06.2024	23.24	46	14.75	17.3	10.3	438	BDL
28.06.2024	24.19	47.79	15.45	17.85	10.8	442	BDL
02.07.2024	24.58	49.08	16.34	18.4	10.5	440	BDL
05.08.2024	25.79	52.43	15.8	17.58	10.9	445	BDL
09.07.2024	27.05	54	16.41	18.95	11.2	446	BDL
12.07.2024	25.52	49.2	17.16	19.23	10.5	437	BDL
16.07.2024	26.47	51	16.15	18.4	10.8	438	BDL
19.07.2024	24.96	47.12	15.45	17.58	11.2	445	BDL
23.07.2024	25.41	48.79	16.5	18.13	11.5	452	BDL
26.07.2024	23.51	49.24	14.9	17.03	11.2	456	BDL
30.07.2024	21.94	45.73	13.33	15.65	10.6	443	BDL
02.08.2024	23.28	47.08	13.92	16.2	10.8	445	BDL
06.08.2024	24.79	50.84	12.82	15.11	10.4	448	BDL
09.08.2024	23.04	51.56	12.11	14.28	10.7	443	BDL
13.08.2024	24.52	53.89	13.37	15.11	11.2	445	BDL
16.08.2024	26.18	52.43	12.41	14.56	11.5	451	BDL
20.08.2024	26.33	54.11	12	13.73	11.8	455	BDL
23.08.2024	24.13	53.44	12.67	14.56	11.5	461	BDL
27.08.2024	18.97	45.74	9.15	9.89	9.7	436	BDL
30.08.2024	22.34	49.26	10.58	12.08	10.8	449	BDL
03.09.2024	21.1	47.11	11.84	13.46	11.7	453	BDL
06.09.2024	21.79	48.7	12.37	14.28	12.1	450	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ4						
	Location Name: Nobel Nagar						
	Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
10.09.2024	23.05	50.16	11.81	13.73	12.8	452	BDL
13.09.2024	24.26	51.79	12.41	14.28	12.4	457	BDL
15.09.2024	25.74	53.25	13.56	15.11	12	450	BDL
17.09.2024	23.36	49.46	12.71	14.28	11.2	446	BDL
20.09.2024	24.75	52.24	13.55	15.11	10.8	442	BDL
24.09.2024	25.24	53.87	12.73	14.83	10.5	441	BDL
27.09.2024	23.46	50.42	13.56	15.65	10.6	446	BDL
01.10.2024	24.32	51.11	12.6	14.83	10.2	441	BDL
04.10.2024	25.89	52.36	13.61	15.65	10.9	443	BDL
08.10.2024	23.26	50.55	12.94	14.83	10.9	446	BDL
12.10.2024	22.04	48.25	13.41	15.38	11.2	449	BDL
15.10.2024	23.32	51.46	13.8	16.48	11.5	453	BDL
19.11.2024	22.74	50.42	13.25	15.04	11.2	439	BDL
22.10.2024	22.78	50.43	12.22	14.56	12.2	453	BDL
25.10.2024	21.04	47.71	12.86	15.11	12.5	459	BDL
29.10.2024	22.19	49.26	12	13.73	11.8	448	BDL
01.11.2024	21.31	46.71	11.42	12.99	11.4	443	BDL
05.11.2024	22.04	48.24	11.97	13.67	11.6	448	BDL
08.11.2024	23.56	50.27	12.8	14.35	11.2	452	BDL
12.11.2024	24.05	52.1	13.53	15.27	11.3	448	BDL
15.11.2024	25.36	54.24	14.02	15.95	11.5	443	BDL
19.11.2024	22.74	50.42	13.25	15.04	11.2	439	BDL
22.11.2024	22.09	48.7	14.07	15.95	11.5	443	BDL
26.11.2024	22.46	50.08	13.21	15.27	11.2	448	BDL
29.11.2024	23.79	52.14	14.12	15.95	11.6	452	BDL
03.12.2024	21.1	47.74	13.06	15.04	11.2	445	BDL
06.12.2024	22.86	48.83	13.93	15.72	11.1	451	BDL
08.12.2024	24.04	51.3	14.54	16.4	11.5	454	BDL
10.12.2024	25.34	52.63	13.6	15.95	11.7	457	BDL
13.12.2024	23.95	51.08	13.03	15.27	11.4	452	BDL
17.12.2024	24.5	53.66	13.88	15.72	11.8	455	BDL
20.12.2024	23.84	52.13	14.5	16.18	11.5	458	BDL
24.12.2024	25.08	53.89	13.93	15.72	11.3	454	BDL
27.12.2024	26.65	55.63	14.59	16.4	11.6	455	BDL
31.12.2024	27.48	56.8	14.16	15.49	12.1	448	BDL
03.01.2025	29.2	59.14	13.49	16.4	11.4	453	BDL
07.01.2025	27.04	55.74	12.69	16.86	11.7	461	BDL

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

Date of Sampling	Location Code: AAQ4 Location Name: Nobel Nagar Results(µg/m3)						
	PM2.5	PM10	SO2	NO2	O3	CO	HC
10.01.2025	25.43	53.48	13.59	15.72	12.6	465	BDL
14.01.2025	27.7	55	14.45	15.95	12.2	460	BDL
17.01.2025	28.15	57.46	15.53	17.32	12.9	467	BDL
21.01.2025	26.32	55	16.02	18	12.3	458	BDL
24.01.2025	28.1	56.56	16.91	18.46	12.7	449	BDL
28.01.2025	26.3	51.1	16.22	17.54	13.6	459	BDL
31.01.2025	27.94	54.25	15.74	16.63	14.2	465	BDL
04.02.2025	26.3	51.18	14.66	16.23	13.4	454	BDL
07.02.2025	24.92	48.77	14.08	15.52	12.8	467	BDL
11.02.2025	25.63	49.46	13.32	14.82	12	477	BDL
14.02.2025	26.62	52.86	14.12	15.99	11.7	462	BDL
18.02.2025	28.16	54.39	14.75	16.46	11.1	469	BDL
21.02.2025	25.26	51.31	13.46	16.23	11.6	452	BDL
25.02.2025	27.49	54	14.04	16.7	11.3	458	BDL
28.02.2025	25.84	53.11	13.55	15.99	11.8	443	BDL
04.03.2025	24.23	51.69	12.69	15.05	11.5	448	BDL
07.03.2025	24.31	52.07	12.82	15.14	11.2	446	BDL
11.03.2025	24.42	51.68	12.56	14.97	11	444	BDL
14.03.2025	24.12	51.42	12.52	14.73	11.2	446	BDL
18.03.2025	24.35	51.61	12.58	14.94	11.5	448	BDL
21.03.2025	24.56	51.85	12.76	15.02	11.2	450	BDL
23.03.2025	22.95	48.7	13.16	15.38	11.4	447	BDL
25.03.2025	25.3	50.3	12.26	15.93	11.9	443	BDL
28.03.2025	25.89	52.29	13.46	16.48	11.7	451	BDL
Minimum	**18.97**	**45.73**	**9.15**	**9.89**	**9.5**	**434**	**BDL**
Maximum	**29.2**	**59.14**	**17.16**	**19.23**	**14.2**	**477**	**BDL**
Average	**24.75**	**51.9**	**13.62**	**15.67**	**11.7**	**452.19**	**BDL**
98%le	**28**	**57**	**17**	**19**	**13**	**469**	**BDL**
NAAQ Standards for 24 Time Weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

Conclusion:

The sampling is done in four locations for a sampling period of 24 hours. The observed L-Day and L-Night Monitored Values were found to be well within the prescribed limits of Latest Notification on 18th June 2018- GSR 568(E).

***

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

ANNEXURE – 5

Details of Waste Management of AIAL, Ahmedabad

Sr. No.	Waste Description	Disposal Method	Unit	Quantity 2023-24	Quantity 2024-25
Non-Hazardous					
1.	Dry Waste (Recyclable Waste-Metal, Wood, paper, plastic etc.)	As per Solid Waste Rules, 2016 amended till date and inline 5R principle	Tons	401.61	437.15
2.	RDF (non-recyclable)				
3.	Organic Waste (food waste)				
Others					
1	Battery waste	Auctioned & then Recycled (send to authorized recycler	MT	0.0	9.39

As part of operations, 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 & Terminals
- ✓ Recycling of solid waste by engaging recyclers

More than 255 dustbins are provided at the passenger as well as staff movement areas and the collected waste is sent to 4 collection points provided (airside and city side). Later the collected waste is sent to centralized waste segregation shed, wherein waste is segregated into different categories such as recyclables and further handled in line to 5R principles.
Entire recyclable waste is segregated & recycled. Food waste is being composted in an organic waste Composter machine on the premises.



Collection points at total 4 locations



Waste recovery with segrigation

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)



MRF facility for waste recovery



OWC facility for food waste processing

Waste Diversion Rate: Attaining a diversion rate greater than 99.9 % from landfill through the adoption and implementation of the 5R principles — Reduce, Reuse, Repurpose, Recycle, and Recover



Waste segregation facility



Dedicated waste segregation facility



Trained staff doing waste segregation



Regular interval – internal audit

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

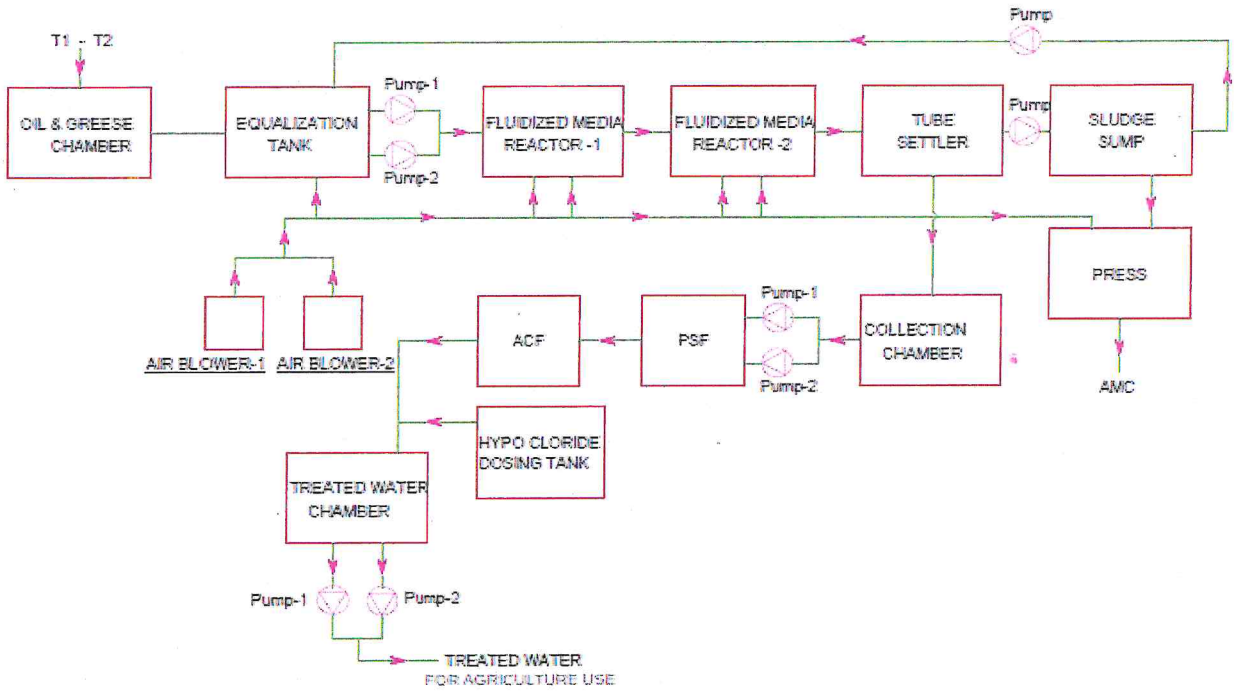
(PCB ID: 10150)

Annexure: - 7

During FY 2024-25, we have utilized 500 KLD STP (Fluidized Media Reactor) to treat the wastewater from the entire airport operations.

The Treated wastewater is used for Horticulture purposes.

FLOW CHART OF 500 KLD SEWAGE TREATMENT PLANT



Process description – STP

The STP treatment scheme consists of Physical, Biological and Tertiary treatment processes.

The domestic sewage shall enter the screen chamber and then be sent to equalization tank. Then the sewage is sent to Fluidized Media Reactor (FMR) using submersible pumps.

Biological treatment is carried out in Fluidized Media Reactor (FMR). The treated water from FMR is sent for tertiary treatment. Sludge from FMR is transferred to Filter Press.

Multi grade sand filters and Activated Carbon Filters are provided in the tertiary treatment.

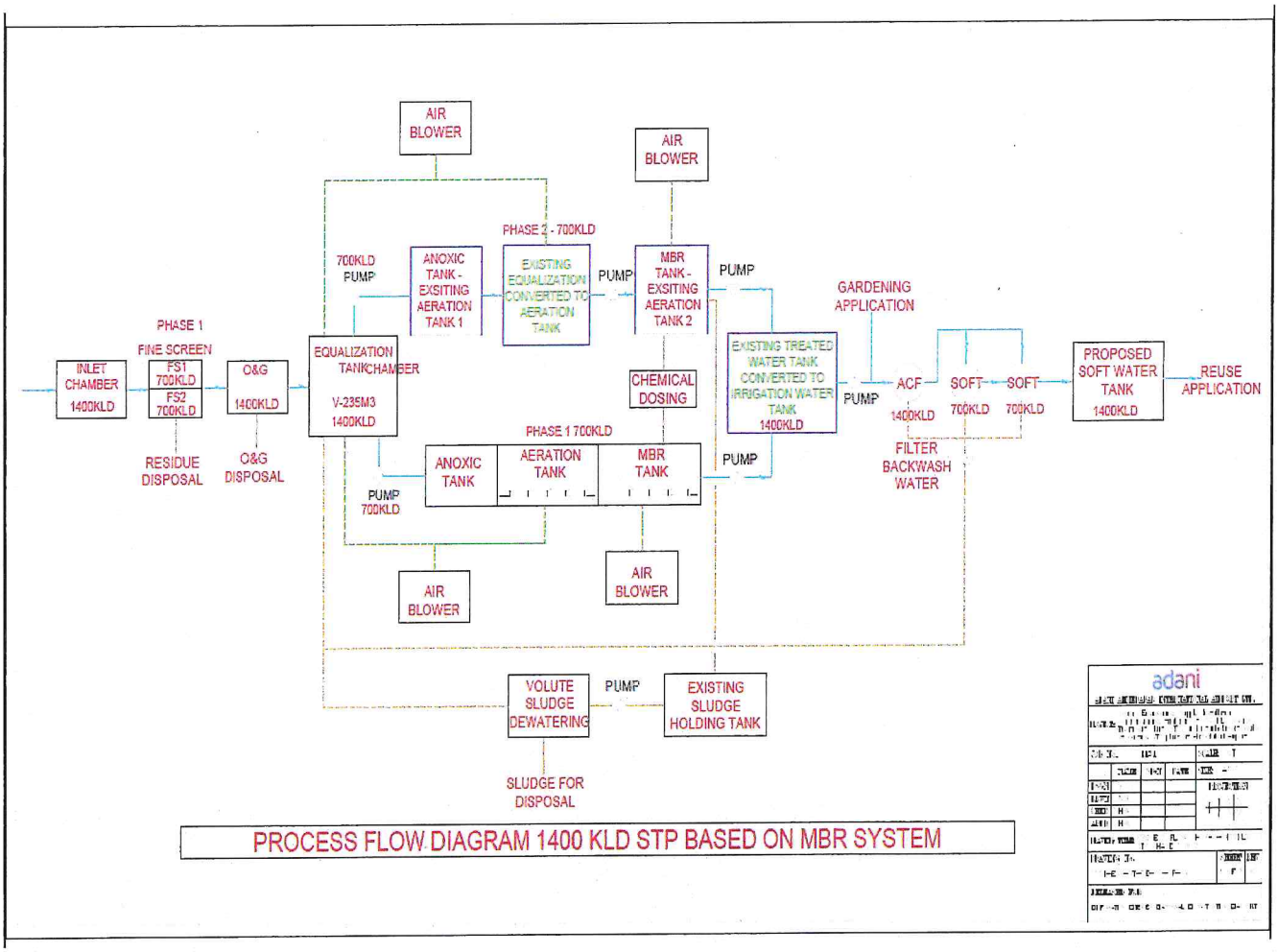
Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad

(PCB ID: 10150)

As project progress, A new 700 KLD STP with MBR based technology is installed and commissioned.

Treated water is being utilized for horticulture use, cooling tower make up and toilet flushing As System upgradation, we are also working to upgrade existing 500 KLD STP plant to 700 KLD MBR based STP in coming months so that our cumulative STP capacity will be integrated 1400 KLD with MBR (Membrane Bio Reactor) based advance technology sewage plant.

Installed new Integrated STP of 1400 KLD capacity with up gradated MBR based technology of existing 500 KLD to 700 KLD



PROCESS FLOW DIAGRAM 1400 KLD STP BASED ON MBR SYSTEM

PROCESS DESCRIPTION

Pre-treatment Unit

Pre-treatment unit shall consist of manual type fine screens for removal of floating material of size more than 6 mm, grit chamber for removal of grit and oil & grease chamber for removal of floating oil and grease. Pre-treatment unit shall be designed to handle max flow of 35 m3/hr. The

fine screens shall be capable of removing most of the medium size floating materials of sizes more than 6 mm. Oil and grease chamber for removal of floating oil & grease.

Equalization Tank

The sewage from the pre-treatment unit shall overflow to an equalization tank. The equalization tank shall be provided to dampen the flow variations and shock loading to achieve constant flow rate. Aeration facilities shall be provided at the bottom of equalization tank for mixing and to prevent deposition of solids.

Rotary Drum Screens

The sewage from equalization tank shall be pumped to mechanical rotary drum screens for removal of floating material of size more than 1 mm. Equalization tank transfer pumps will be provided to transfer the sewage from equalization tank to the rotary screen. The rotary drum screens will be designed to handle normal flow of 35 m3/hr.

Anoxic Tanks & Aeration Tanks

The sewage from rotary drum screens shall be conveyed to biological treatment system. The design shall consist of biological trains/streams, each with anoxic tank, aerobic tank and a membrane tank. Each train shall be designed for 100% of the design flow i.e 35 m3/hr (700 m3/day).

Nitrate formed in the aerobic and membrane zones, is recycled back to the anoxic zone, where it is denitrified. Anoxic tank will consist of a submersible mixer for mixing the sewage with recycle sludge from membrane tanks. Having the anoxic zone as a first zone allows for maximum influent BOD utilization for denitrification. The sewage shall overflow from the anoxic tanks to aeration tanks. Fine bubble diffusers shall be provided at the bottom of each aeration tank to supply oxygen for biological decomposition of organic matter and to keep the mixed liquor suspended solids (MLSS) in suspension. Two (1duty + 1standby) air blowers shall be provided to supply oxygen to aeration tanks. Dissolved oxygen will be monitored in each aerobic tank.

Membrane Tank

The mixed liquor from aeration tanks shall be collected in membrane tanks consisting of submerged membrane modules. Clean water shall be withdrawn from the mixed liquor through the membranes using permeate pumps (2duty +1 standby) and shall be transferred to a treated water tank through ultraviolet disinfection system. Permeate / back pulse pumps shall be taken from the treated water tank for back pulsing and cleaning the membranes. The sludge from the membrane tank shall be recycled to anoxic tanks using two (1 Duty + 1 Standby) sludge transfer pumps. Waste sludge shall be transferred to a sludge holding tank.

Irrigation Water Tank

The clean water from the membrane tank shall be collected in the irrigation water tank. The treated water tank shall be provided. The treated water shall be transferred to the softener to remove hardness. Treated water will be stored in a soft water tank.

Sludge Handling Units

The sludge from the membrane tank shall be stored in a sludge holding tank. The sludge shall be transferred to volute screw compactor for further dewatering using polyelectrolyte. The dewatered sludge from volute will be collected in bins and shall be disposed off. The supernatant from volute will be routed to the inlet chamber of STP.

Disinfection Units

Biologically treated sewage from the MBR tanks shall be pumped to two (1 Duty + 1 Standby) ultraviolet systems (A-30082A/B) consisting of UV lamps for destruction of pathogens. Sodium hypochlorite solution shall be dosed in the treated water tank to maintain residual chlorine of 0.1 mg/l as per MoE standards for water reuse.

Chemical Dosing System

- Sodium hypochlorite and Citric acid solutions should be used for cleaning of membrane to avoid fouling. One dosing tank and one dosing pump will be provided for each chemical.
- Sodium hypochlorite shall also be used for disinfection of treated sewage which shall be used for irrigation purposes. One dosing tank and one dosing pump will be provided for this purpose.
- Polyelectrolyte solutions shall be dosed into the sludge feed line leading to the volute to enhance de-watering of sludge. One dosing tanks and one dosing pumps will be provided for dosing of polyelectrolyte solution.

Environment Statement for 2024-25
Ahmedabad International Airport Limited
Sardar Vallabhbhai Patel International Airport, Ahmedabad
(PCB ID: 10150)

ANNEXURE – 9

Cost of Environmental Protection Measures of AIAL, Ahmedabad

Activity	Cost incurred (INR in Lacs)
Costs 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, wildlife control and biodiversity initiative cost, fire and safety management and sustainability initiatives etc.	April 2024 to March 2025- **Total: ~ 4639 Lakh per annum**

Cost of Environmental Protection Measures of AIAL, Ahmedabad (FY 2024-25)	
Cost incurred for Legal & Statutory Expenses, Environment Monitoring Services, Hazardous / Non-Hazardous Waste Management & Disposal, Environment event Celebration, Horticulture and green belt development and management Expenses, O&M of Sewage Treatment Plant, wildlife control and biodiversity initiative cost, & other sustainability initiatives etc.	
Cost of Environmental Protection	**OPEX/CAPEX (INR)**
Environmental Operations (Envi. monitoring/legal fees)	8,020,784
Horticulture /greenbelt development and maintenance cost	30,887,350
Wildlife and biodiversity initiative and management	229,034,074
Fire and Safety Protection and Operations	49,710,833
Waste water management: STP operations	9,900,000
IMS and Five S implementation	1,304,760
Other Sustainability projects / energy efficiency improvement	
1. Upgradation of Chiller 1 Nos 425 TR and Associated Works	10,431,686
2. FCUs in BHS area in Domestic Terminal	1,297,340
3. Automatic Chemical Dosing System	1,900,000
4. AC system upgradation - PAC (precision air conditioning) 5TRX2	1,845,000
5. Side stream filter for the cooling towers T1-T2	1,715,000
6. EV charging station – T1 cable laying work	2,498,800
7. . EV charging station civil work	805,672
8. EV vehicle purchase (2#MG- E&M, 4# SUV400- Project 1# TATA Nexon- survey team, 1 Tata Nexon – Fire, 6# scooters for security &IT)	16,978,881
9. New 700 KLD STP installation upgrade pipeline network	71,700,000
10. SITC of AHUs at Ahmedabad Airport at Terminal 01	25,849,992
Cost of Environmental Protection Measures (FY 2024-25)	**463880172**
(In lakh)	**4639**