
Goa
State Pollution Control Board
Online Consent Management & Monitoring System
Ministry of Environment, Forest and Climate Change
Government of India
Home
Bio-Medical Waste Authorization
Batteries Registration
E-waste Authorization
Hazardous Waste Authorization
Plastic Registration
Solid Waste Management Authorization
Construction & Demolition Authorization
Environmental Statement
Monitoring Report
Logout
Add Environment Statement
Delete In-Progress Environment Statement
Send us your feedback and suggestions
click here for any kind complaints or query
Welcome GMR Goa International Airport Limited
Date : 11-9-2025
Application No : 2928083
You have successfully submitted Environmental Statement for this duration 2023-2024.
View Environment Statement
Site designed, hosted by National Informatics Center
© Content Owned, Updated and Maintained by Goa State Pollution Control Board.


Government of India
Home
Bio-Medical Waste Authorization
Batteries Registration
E-waste Authorization
Hazardous Waste Authorization
Plastic Registration
Solid Waste Management Authorization
Construction & Demolition Authorization
Environmental Statement
Monitoring Report
Logout
Add Environment Statement
Delete In-Progress Environment Statement
Send us your feedback and suggestions
click here for any kind complaints or query
Welcome GMR Goa International Airport Limited
Date : 11-9-2025
FORM V
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
RV Seshan , 381/3, Mathura one, 1st Floor, Porvorim, Goa-403 501
(ii) Industry category Primary & Secondary
RED - Airports and Commercial Air Strips
(iii) Production capacity
Unit :
Mili Liter
Add
View
Delete
(iv) Year of establishment
Manohar International Airpor
(v) Date of the last environmental statement
28/08/2024
PART B
Water and Raw Material Consumption
Process
Cooling
Domestic

GOA STATE POLLUTION CONTROL BOARD

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	:	RV Seshan
(ii)	Industry category Primary-(STC Code) Secondary-(STC Code)	:	RED, Airports and Commercial Air Strips
(iii)	Production capacity	:	Mili Liter

Production Name	**Production Capacity**	**Production Unit**

(iv)	Year of establishment	:	Manohar International Airport, Goa started scheduled commercial operations from 5th January 2023
(v)	Date of the last environment statement submitted	:	28/08/2024

PART B

1. Water consumption m3/ d

Process :

Cooling :

Domestic :

Name of products	**Process water consumption per unit of product output**	
	During the previous financial year	**During the current financial year**
Airport Operation and Maintenance	1,254 KLD (Including domestic, cooling, flushing & irrigation during the period from 1st April 2023 to 31st March 2024)	1,256 KLD (Including domestic, cooling, flushing & irrigation during the period from 1st April 2024 to 31st March 2025)

2. Raw material consumption

Name of raw materials	**Name of products**	**Consumption of raw material per unit**	
		During the previous financial year	**During the current financial year**
Nil	Nil	Nil	Nil

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged(mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
Water			
Water	Nil	Airport adopted Zero Liquid Discharge Policy. Entire sewage/effluent is treated in 975 KLD sewage treatment plant established within the airport premises.	0% variation from the prescribed standards. Sewage/effluent quality is monitored through MoEF&CC approved environmental laboratory.
Air			
Air	Details are provided in Annexure-I (attached). All three Diesel Generator sets (stack height of 30 m) are used as a standby for emergency purpose.	Details are provided in Annexure-I (attached). The concentration of the pollutants is well within the GSPCB permissible norms	0% variation from the prescribed standards. DG sets stack emission parameters are monitored through MoEF&CC approved

Name of Pollutants : .

PART D
Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	2000 kg (Including Cat. 5.1, 33.1 and 33.2)	2308 kg (Including Cat. 5.1, 33.1 and 33.2)
(b) From pollution control facilities	NA	NA

PART E
Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	1,18,275 Kg during the period from 1st April 2023 to 31st March 2024. (Food Waste, Plastic, Metal, Glass, Paper, etc. from airport operations)	1,73,787 Kg during the period from 1st April 2024 to 31st March 2025. (Food Waste, Plastic, Metal, Glass, Paper, etc. from airport operations)
(b) From pollution control facility	NA	NA
(c)(1) Quantity recycled or re-utilised within the unit	79,441 kg (Food waste converted as compost)	1,17,469 kg (Food waste converted as compost)

(2) Sold	**34,270 kg (plastic, paper, metal and glass scrap sold to authorized recyclers)**	**60,106 kg (plastic, paper, metal and glass scrap sold to authorized recyclers)**
(3) Disposed	**4,564 kg (Refused Derived Fuel disposed of to Goa Waste Management Corporation)**	**5,589 kg (Refused Derived Fuel disposed to Goa Waste Management Corporation)**

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 Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of wastes Total 2308.5 kg of hazardous waste was generated (including cat. 5.1, 33.1 & 33.2) during FY 2024-25.

Arrangement has been made for the storage and disposal of category-wise hazardous waste (category 5.1, 33.1 & 33.2) through manifest system.

Membership has been taken with M/s. Goa Industries Environment Management Association for disposal of hazardous waste. Consequently, Agreement has been made with M/s. Ponda Envocare Limited for disposal of hazardous waste in Common Hazardous Waste Treatment & Disposal Facility in Goa State. Solid Waste generated during FY2024-25 is as below:

Total Bio-degradable/Food Waste (1,17,469 Kg) processed through Organic Waste Composter and used as manure within airport premises.

Total Non-Biodegradable Recyclable Waste (60,106 Kg) sent to the authorized recyclers for recycling.

Total non-biodegradable non-recyclable waste (5,589 Kg) was bailed as Refused Derived Fuel (RDF) in the bailing machine & sent to Goa Waste Management Corporation (GWMC).

.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production 100% of treated sewage/effluent has been recycled & reused for toilet flushing, cooling tower makeup & irrigation within the airport premises.

This has resulted in significant reduction in fresh raw water consumption and corresponding cost savings during FY2024-25.

.

PART H

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

of pollution Integrated Solid Waste Management Facility, equipped with Organic Waste Converter, Bailing Machine, Manual Segregation System & Electric Vehicles for waste collection. The entire solid waste management is being managed through a professional third-party waste management agency.

Night Soil Pit is provided on the airside for collecting sewage from Aircrafts, which is further pumped to 975 KLD STP for treatment and recycling. Airside Waste Transfer Station has been established on the airside to collect solid waste from aircraft.

State of the art Sewage Treatment Plant on the landside, Oil Water Separator on the airside, Storm water drainage system across the airport complex with in-line rainwater harvesting pits, acoustic enclosure to the DG sets, concrete/asphalted road network across the airport complex, avenue plantation, landscaping, etc. has been provided.

Passenger Terminal Building has been designed and constructed as per Green Building concepts, which is certified with IGBC Platinum Standard.

.

PART I

Any other particulars for improving the quality of the environment Any other particulars for improving the quality of the environment GGIAL along with the stakeholders have adopted following measures to improve the quality of environment.

- 5 MWp Solar Power Plant is installed & operational within the Airport Premises.
- Use of Bridge Mounted Equipment (Pre-Conditioned Air and Ground Power Unit)
- Single Engine Taxing In & Out,
- 100% use of LED lighting system across the Airport complex
- GHG Scope-1 and Scope-2 emissions tracking
- 2 nos. of dedicated heavy duty Road Sweeping Machines
- Prohibition of Single Use Plastic (SUP)
- Landscape development & Tree Plantation
- Ground Water Recharging through in-line rainwater harvesting pits
- Environmental Promotional Campaigns, Trainings & Awareness
- Electrical Vehicle/Bus for public/passenger transport by Kadamba Transport Corporation Limited (KTCL), GoG
- 1 number Continuous Ambient Air Quality Monitoring Station (CAAQMS) within the airport premises & 2 nos. of online real-time Noise Monitoring Terminals in the airport funnel zone are installed to monitor Online ambient air quality parameters & online noise levels respectively.
- Noise Levels & hazardous waste generation quantities are displayed on Online Display System at the airport entry.

Ambient Air Quality Monitoring is being carried out inside & outside the Airport (6 locations in Goa State & 3 locations in Maharashtra State)

Ambient Noise Level Monitoring is being carried out inside and outside the Airport (9 locations in Goa Sate & 3 locations in Maharashtra State)

Besides above, DG sets stack emissions monitoring, ground water, drinking water and storm water quality are being monitored through MoEF&CC & NABL approved environmental laboratory.

.

Remarks : GGIAL’s Passenger Terminal Building (PTB) is awarded with Platinum Standard Certification for New Building by Indian Green Building Council (IGBC), for embracing various resources conservation and efficiency practices (energy, water, wastewater, passive architecture, natural light, ventilation, waste minimization, etc.)

GGIAL awarded with NSCI “Sarvashretha Suraksha Puraskar” (Golden Trophy).

.