

# GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Board)

Phone Nos : 0832- 2407700,  
2407701, 2407702  
Tel/Fax No: 0832- 2407700



Email Ids:  
Chairman, GSPCB, [chairman-gspcb.goa@nic.in](mailto:chairman-gspcb.goa@nic.in)  
Member Secretary, GSPCB, [ms-gspcb.goa@nic.in](mailto:ms-gspcb.goa@nic.in)  
Environment Engineer, GSPCB, [ee-gspcb.goa@nic.in](mailto:ee-gspcb.goa@nic.in)  
Scientist, GSPCB, [scientist-gspcb.goa@nic.in](mailto:scientist-gspcb.goa@nic.in)  
Office, [goapcb@gspcb.in](mailto:goapcb@gspcb.in)

No.12/2019-PCB/299315/R0002481

Date:29/01/2020

**Renewal of Consent to Establish under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981**

[To be referred as Water Act & Air Act]

RENEWAL OF CONSENT TO ESTABLISH is hereby granted to:

**M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED**  
**(Represented by: Mr. Ranganathan Venkata Sheshan)**  
**(Red Category)**

**Mopa,**  
**Pernem - Goa**

Located in the area declared under the provisions of the Water Act & Air Act, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. This Renewed Consent to establish is issued in supersession of the earlier Consent Orders issued vide Order No.5/5163/16-PCB/CI-1999 dated 07/09/2016, Amendment No.5/5163/16-PCB/CI-2454 dated 16/01/2017 is valid up to commissioning of the facility/plant or 3 years from the date of issue, **whichever is earlier.**
2. This Renewed Consent to Establish is valid for the establishment of :

Sr. No	Description	Capacity
1.	Airport	----

3. **CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:**

- (i) The daily quantity of domestic effluent from the facility shall not exceed **5 MLD**
- (ii) **Sewage Treatment Plant:**  
The unit shall provide comprehensive sewage treatment plant of **5 MLD capacity** consisting of primary/ secondary and/ or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	Not more than 20 mg/l
BOD, 3 days, 27° C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Grease	Not to exceed	10mg/l
NH4-N	Not to exceed	5mg/l
N-total	Not to exceed	10mg/l
Fecal Coliform	Less than	100 MPN/100 ml
Bio-assay test		90% survival of fish after 96hours in 100% effluent

(iv) **Sewage Disposal:**

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening. There shall not be any discharge outside the unit premises.

(v) A good house-keeping shall be maintained within the unit premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas.

(vi) **Non-Hazardous Solid Waste:**

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board. Biodegradable waste (*i.e. wet-waste*) be treated on-site by composting.

(vii) The operator shall provide composting facility in a closed shed in the premises.

(viii) The dry waste has to be segregated and baled and to be disposed to (local authority) /through Goa Waste Management Corporation.

**4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:**

(i) The unit may install the following equipments and shall be equipped with comprehensive control system as it is warranted with reference to generations of emissions and operate and maintain the same continuously:

Sr. No.	Name of Equipments/ Installation	No of Installation	Capacity	SO <sub>2</sub> Kg/Hr	Particulate Matter mg/Nm <sup>3</sup>
1.	D.G. Set	05	2000 KW	15.12	75

(ii) The unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.

(iii) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows

Category of Area/ Zone	Limits in dB (A) Leq	
	Day time	Night time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

5. **GENERAL CONDITIONS:**

1. Trees shall be planted and maintained around the plant in an area at least 4 times the built area of the industry. Green belt development shall be started along with the construction activity.
2. The domestic waste water shall be treated in a property designed septic tank and discharged on land for percolation through soak pit of adequate size within the factory premises.
3. The applicant shall not change or alter the quantity, the rates of discharge, temperature and the mode of disposal of the effluent without previous written permission of the Board.
4. The applicant shall provide facilities for collection of the samples to the Board staff.
5. The unit shall discharge the treated effluents preferably on land for irrigation/ gardening/ lawn within their own premises or re-use after suitable treatment.
6. Stack heights for a (Diesel generator set(s)) shall be as follows:

(a) Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula  $H = h + \sqrt[0.2]{KVA}$  where H = total height of the stack in meters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.

The generator shall be installed in a closed area with a silencer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:  
The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.

7. The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
8. The unit shall implement the following Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India.
  - a) Hazardous And Other Wastes (Management and Transboundary Movement ) Amended Rules, 2018;
  - b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989;
  - c) Rules for the Manufacture, Use, Import and Storage of Hazardous Micro – organism / - Genetically Engineered Organisms or Cell, 1989.
9. There shall not be any perceptible odour outside the industrial premises.
10. All the Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.

11. Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (Prevention and Control of Pollution) Act 1974 and under section 21(4) of the Air (Prevention and Control of Pollution) Act 1981 to review any or all the conditions imposed hereby.
12. Any change in the details made after the submission of the application/ after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
13. This Consent to operate is granted without any prejudice to any of the permission(s) required under any law, by laws and regulations in force and **this Consent to Operate is confined to matters arising out of the Air Act and Water Act only.**
14. The unit should obtain permission from the Forest Department/ Wild Life Board wherever applicable.
15. The unit should implement rain water harvesting and ground water re-charge measures in consultation and approval of the Water Resource Department, Government of Goa and Directorate of Industries, Trade and Commerce, Government of Goa, before submitting an application for Consent to Operate.
16. The unit/ generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste Management Amended Rules, 2019. Any activity as defined under BMW Rules has to obtain a separate Authorization from Goa State Pollution Control Board.
17. The unit should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
18. The unit shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant
19. Reliable flow meter shall be installed to maintain record of water consumption / waste water consumption per day. This records so maintained shall be made available to the Board officials whenever required.

20. The unit shall bear the cost of analysis / monitoring in case of complaints received by the Board/ reinspections due to non compliances observed by the Board & monitoring carried by the Board.
21. **The unit shall comply with the conditions stipulated in the judgment passed by the Hon'ble Supreme Court of India dated 16<sup>th</sup> January, 2020 in the matter M.A. No. 965 of 2019 in Civil Appeal No. 12251 of 2018.**

To,  
**M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED**  
**C/o. Mr. Ranganathan Venkata Sheshan,**  
**Sy. No. 381/1, Mathura One,**  
**1<sup>st</sup> Floor, Porvorim, Bardez, Goa**

Copy to:-

1. Accounts Section
2. Concerned File
3. Guard File

Received Consent fee of: **The Capital Investment of the unit is Rs. 1900 Crores**

Challan no.	Amount	Date
----	Rs.4,17,400/- (NOC fees)	24/10/2019

SHAMILA DOS  
MILAGRES  
MONTEIRO

Digitally signed by  
SHAMILA DOS MILAGRES  
MONTEIRO  
Date: 2020.01.29 15:17:00  
+05'30'

**(Dr. Shamila Monteiro)**  
**Member Secretary**  
**Goa State Pollution Control Board**

# GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

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Scientist, GSPCB: scientist-gspcb.goa@nic.in  
Office: goapcb@gspcb.in

No.12/2019-PCB/299315/R0002481/FLM/18670 /Amde - 98

Date: 02/06/2020

### AMENDMENT

Sub: Partial modification in the Renewal of Consent to Establish under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Authorization under Rule 6 (1) of the Hazardous and other Waste (Management and Transboundry Movement) Amended Rules 2018 to M/s. GMR Goa International Airport Limited

Ref:-1) Renewal of Consent to Establish under the Water and the Air Act and Authorization of the Hazardous Wastes order no. No.12/2019-PCB/299315/R0002481 dated 29/01/2020.

In partial modification in the Renewal of Consent to Establish under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Authorization under Rule 6(1) of the Hazardous and Other Waste (Management and Transboundry Movement) amended Rules 2018 issued to M/s. GMR Goa International Airport Limited, Serial no. 3 (i), 3(ii), 5 (13) of the said order referred at (1) above may be read as follows and Serial No. 6 of the said order referred at (1) above is included in the Consent :-

### 3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

- (i) The daily quantity of domestic effluent from the facility during Phase – I (4.4MPPA) shall not exceed **560 KLD**
- (ii) **Sewage Treatment Plant:**

The unit shall provide comprehensive sewage treatment plant for Phase – I (4.4 MPPA) of **625 KLD capacity** consisting of primary/ secondary and/ or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	Not more than 20 mg/l
BOD, 3 days, 27° C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Grease	Not to exceed	10 mg/l
NH4-N	Not to exceed	5 mg/l
N-total	Not to exceed	10 mg/l
Fecal Coliform	Less than	100 MPN/100 ml

- 5 (13) This Consent to Establish is granted without any prejudice to any of the permission(s) required under any law, by laws and regulations in force and **this Consent to Establish is confined to matters arising out of the Air Act and Water Act only.**

6. **CONDITIONS REQUIRED TO BE COMPLIED UNDER THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES 2018 as Amended:**

- (i) The unit is hereby granted authorization to operate a facility for collection, storage and disposal of hazardous wastes as specified below:

Sr. No.	Category	Type of waste	Quantity	Mode of disposal
1.	5.1	Used/Spent Oil	5,000ltrs/annum	To recycler registered with CPCB and having valid authorization of SPCB
2.	5.2	Waste or Residuals containing Oil	2000 Kgs/annum	To be sent to M/s. Mumbai Waste Management Ltd, at Taloja for incineration
3.	33.1	Empty Containers contaminated with Hazardous Chemicals/wastes	4,000 Kgs/annum	To be sent to decontamination / recycling facilities having authorisation and consent of the Board

- (ii) The authorizer shall comply with the provisions of the Environment (Protection) Act, 1986 and the rule made thereunder.
- (iii) The person authorized shall not rent, lend, sell or transfer or otherwise transport the hazardous waste without obtaining prior permission of the Goa State pollution Control Board.
- (iv) Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- (v) It is a duty of the authorized person to take permission of the Goa State Pollution Control Board to close down the facility.
- (vi) The inner bottom surfaces of the tank shall be impervious enough to prevent leakage or seepage of these wastes into the sub surface soil or ground water.
- (vii) The occupier shall maintain a manifest system as per Rule 21 (1) for disposal of hazardous wastes to ensure that these wastes are delivered to the designated facility preventing pilferage and clandestine disposal due to unforeseen events that may occur during transit.
- (viii) The manifest shall be endorsed by the dispatcher, transporter and receiver of hazardous wastes. The endorsed copy shall be furnished to the Goa State Pollution Control Board.
- (ix) Under no circumstances the hazardous waste shall be disposed to unauthorized facilities.
- (x) The occupier shall maintain the records for collection, storage and disposal of hazardous waste in Form 3 of as per Hazardous and other Wastes (Management & Transboundary Movement) amended Rules 2018.

- (xi) The occupier shall furnish monthly returns for collection, storage and disposal of hazardous waste through online OCMMS system.
- (xii) The unit shall put up an online board (minimum size 6x4 Feet) at prominent location near the main gate providing details as follows in English and Konkani languages:-
- Hazardous Waste category number.
  - Hazardous Waste quantity number.
  - Treatment facility for each category.
  - Mode of disposal for each category.
  - Hazardous Waste Authorization number, date and validity period.
  - Water Consent number, date and validity period.
  - Air Consent number, date and validity period.
  - Quantity and Nature of Hazardous Chemicals being used.
- (xiii) The occupier shall ensure that the Hazardous Wastes are not allowed to be stored for more than 90 days.
- (xiv) The unit shall submit annual returns in prescribed format to the Board for financial year by 30<sup>th</sup> June of every year

To,  
**M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED**  
**C/o. Mr. Ranganathan Venkata Sheshan,**  
**Sy.No. 381/1, Mathura One,**  
**1<sup>st</sup> Floor, Porvorim, Bardez - Goa**

Typed by	Checked by
<i>bin</i>	<i>Neabhudessai</i>

Received Amendment fee of:

NEFT NO.	Amount	Date
000262289875	Rs 3,000/-	30/05/2020

  
**(Dr. Shamila Monteiro)**  
**Member Secretary**  
**Goa State Pollution Control Board**



# GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

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Environment Engineer, GSPCB: ee-gspcb.goa.nic.in  
Scientist, GSPCB: scientist-gspcb.goa@nic.in  
Office: goapcb@gspcb.in

No.12/2019-PCB/299315/R0002481/FLM/11792/Amde-154

Date: /10/2020  
02/11/2020

### AMENDMENT

Sub: Partial modification in the Renewal of Consent to Establish under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Authorization under Rule 6 (1) of the Hazardous and other Waste (Management and Transboundary Movement) Amended Rules 2018 to M/s. GMR Goa International Airport Limited

Ref:-1) Renewal of Consent to Establish under the Water and the Air Act and Authorization of the Hazardous Wastes order no. No.12/2019-PCB/299315/R0002481 dated 29/01/2020.  
2) Amendment No. 12/2019-PCB/299315/R0002481/FLM/18670/Amde-98 dated 02/06/2020.

In partial modification in the Renewal of Consent to Establish under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Authorization under Rule 6(1) of the Hazardous and other Waste (Management and Transboundary Movement) amended Rules 2018 issued to M/s. GMR Goa International Airport Limited, Serial no. 3 (ix), (x), (xi) of the said order referred at (1) above is included in the Consent:-

### 3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

#### (ix) Sewage Treatment Plant (during the construction phase):

The unit shall treat domestic effluent generated during construction phase (from the labor colony, canteen and offices) in temporary sewage treatment plant of 225 KLD capacity consisting of primary/ secondary and/ or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	100 mg/l
BOD, 3 days, 27° C	Not to exceed	30 mg/l
COD	Not to exceed	250 mg/l
Oil & Grease	Not to exceed	10mg/l


#### (x) Sewage Disposal:

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening. There shall not be any discharge outside the unit premises.

(xi) The unit shall at his own cost get the effluent samples collected both before and after treatment and analyse, every month the parameters indicated above from a laboratory

recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and rules there under and results shall be uploaded on the Board's portal regularly.

To,  
~~M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED~~  
C/o. Mr. Ranganathan Venkata Sheshan,  
Sy.No. 381/1, Mathura One,  
1<sup>st</sup> Floor, Porvorim, Bardez - Goa

  
(Dr. Shamila Monteiro)  
Member Secretary  
Goa State Pollution Control Board

  
21/05/2016

# GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Board)

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Scientist, GSPCB: scientist-gspcb.goa@nic.in  
Office: goapcb@gspcb.in

No.12/2019-PCB/299315/R0002481/FLM/1979/*Amdr-170*

Date: *30/11/2020*

### CORRIGENDUM

Sub: Partial modification in the Renewal of Consent to Establish under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Authorization under Rule 6 (1) of the Hazardous and other Waste (Management and Transboundary Movement) Amended Rules 2018 issued to M/s. GMR Goa International Airport Limited

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#### 4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

(iii) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows

S1 No.	Industry	Parameters	Standards	
1	2	3	4	
		Ambient Air Quality Standards with respect to Noise in Airport Noise Zone		
" 112	Airports	Type of Airports	Limits in dB (A) Leq	
			Day time	Night time
		Busy Airports	70	65
		All other Airports excluding proposed Airports	65	60

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

To,  
M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED  
C/o. Mr. Ranganathan Venkata Sheshan,  
Sy.No. 381/1, Mathura One,  
1<sup>st</sup> Floor, Porvorim, Bardez - Goa

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(Dr. Shamila Monteiro)  
Member Secretary