

GOA STATE POLLUTION CONTROL BOARD

गोंय राज्य प्रदुशन नियंत्रण मंडळ

(An ISO 9001-2008 Certified Board)

Directorate of Civil Aviation

Inward No.: 44-2

Date: 12/9/2016

Phone Nos : 91-832-2438567, 2438528
2438563, 2438550

Tel / Fax No. : 0832-2438528



Email id's :

Member Secretary, GSPCB - ms-gspcb.goa@nic.in
Environment Engineer, GSPCB - ee-gspcb.goa@nic.in
Scientist, GSPCB - scientist-gspcb.goa@nic.in
Asst. Env Engineer, GSPCB - aee-gspcb.goa@nic.in
Asst. Law Officer, GSPCB - alo-gspcb.goa@nic.in

Date: 2/08/2016

07/09/2016

No. 5/5163/16-PCB/CI-1999

Consent to Establish under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 (i) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.

[To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

Consent to Establish is hereby granted to:

MOPA INTERNATIONAL AIRPORT
(Orange Category)

Mopa,
Pernem - Goa

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M, H & T) Rules, 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. The Consent to Establish is valid upto Commissioning of the operator or 3 years which ever is earlier.

2. This Consent to Establish is valid for activity as mentioned below:

Sr. No	Description	Quantity
1	Airport	-----

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

(i) The daily quantity of domestic effluent from the airport shall not exceed **5MLD**

(ii) Sewage Treatment Plant:

The Operator shall provide comprehensive effluent/ sewage treatment plant (**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	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

Other parameters should meet the standards specified in Schedule 1 (Rule 3) and Schedule VI [Rule 3(3A)] of the Environment (Protection) Act 1986 for the relevant Industry

(iii) **Sewage Effluent 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 factory premises.

(iv) The operator shall at his own cost get the effluent samples collected both before and after treatment and analyze, 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 submitted regularly to this Board.

(v) **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 by:

- Landfill, incase of inert materials, care should be taken to ensure that the material does not give rise to leachate which may percolate into ground water or carried away with storm run-off.
- Controlled incineration wherever possible in case of combustible organic matter.
- Composting in case of bio degradable material
- As per the Authorization issued by this Board in case of Hazardous waste.

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

(vii) The dry waste has to be segregated and baled and to be disposed to (local authority) / solid waste Management cell of Directorate of Science Technology And Environment.



(Levinson J. Martins)
Member Secretary
Goa State Pollution Control Board

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

- (i) The operator 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 ₂ Kg/Hr	NOx	HC	CO	PM
					(g/kw-hr)			
1	D.G. set	5	2000KW	----	9.2	1.3	3.5	0.3

- (ii) The operator 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 operator 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 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.
3. The applicant shall provide facilities for collection of the samples to the Board staff.
4. The industry shall discharge the treated effluents preferably on land for irrigation/ gardening/ lawn within their own premises or re-use after suitable treatment.
5. 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 $H = h + \sqrt[3]{KVA}$ 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.



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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.

6. 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.
7. All solid waste arising in the premises shall be properly classified and disposed off to the satisfaction of the Board by:
 - i. Land fill in case of inert material;
 - ii. Controlled incineration wherever possible in case of organic combustible material;
 - iii. Vermiculature composting in case of bio-degradable, chemically active/ hazardous solid waste; care should be taken to ensure that the material does not give rise to leachate which may percolate into ground water or be carried away with storm runoff.
8. The industry 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) Rules, 2016;
 - 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 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.



(Levinson J. Martins)
Member Secretary

Goa State Pollution Control Board


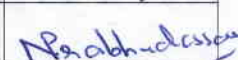
13. This Consent to Establish is granted without any prejudice to any other permissions(s) required under any laws, bye – laws and regulations in force.
14. The operator should obtain permission from the Forest Department/ Wild Life Board wherever applicable.
15. The operator should implement rain water 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 operator/ 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 & Handling) Rules, 1998. Any activity as defined under BMW (M&H) Rules has to obtain a separate Authorization from Goa State Pollution Control Board.
17. The operator should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
18. The operator 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.

To,
MOPA INTERNATIONAL AIRPORT
 C/o. The Director,
 Directorate of Civil Aviation,
 (Govt of Goa)
 Secretariat, Porvorim - Goa.

Copy to: - 1 Accounts Section
 2 Concerned File
 3 Guard File

Received Consent fee of: **The capital Investment of the operator is Rs.3300 crores.**

Challan no.	Amount	Date
Receipt No. 11771	Rs.6,80,200/- (NOC fees)	5 th May 2016

Typed by	Verified by
	


 (Levinson J. Martins)
 Member Secretary
 Goa State Pollution Control Board