

MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No :- **Format1.0/BO/CAC-Cell/EIC-MU-6761-15/CR/CAC-14016**
Date-03/11/2015

To,
Mumbai International Airport Pvt. Ltd. (MIAL)
Chhatrapati Shivaji International Airport
Terminal 1 B, 1st Floor, Santacruz (East)
Mumbai - 400099

Subject: Consent Renewal with amalgamation (of consent dtd. 16.06.2012 and 06.11.2013) for Mumbai International Airport in RED category.

Ref :

1. Environmental Clearance granted vide No. 10-5/2007-IA-III dtd. 03.04.2007
2. Consent to Establish for Phase-I granted vide no. BO/RO(P&P)/ / CC- 145 dtd 4.7.2007.
3. Consent to Establish for Phase-II granted vide no. BO/RO(HQ)/CE/CAC-217 dtd 24.1.2012.
4. Consent to Operate granted vide no. BO/RO(HQ)/CO/CAC-468 dtd. 16.06.2012 valid upto 31.05.2015.
5. Consent to Operate for part Phase-I & part Phase-II granted vide no. Format 1.0/BO/CAC Cell/RO-MU/EIC MU-5356-13/O(part)/CAC- 9304 dtd - 06.11.2013 valid upto 31.07.2015.
6. Consent to Operate (part) for Terminal 1C Hotel granted vide BO/CAC-Cell/RO-MU/EIC-MU-6249-14/O(part)/CAC-690 dtd. 21.01.2015 valid upto 31.05.2017.
7. Environmental clearance granted by Environment Department, GoM vide SEAC 2010/CR. 53/TC-2 dtd. 01.07.2011
8. Consent to operate for Bldg. No. 5, Multi-level car parking-2 vide Formatl.O/BO/CAC-cell/EIC-MU-6613-15/CO(part)/CAC-12199 dtd. 19.09.2015 valid upto 31.08.2016
9. Your application approved in 7th Meeting of CAC of 2015-2016 held on 06.10.2015

Your application CR1505000356

Dated: 30.04.2015

For: Consent Renewal with amalgamation (of consent dtd. 16.06.2012 and 06.11.2013) 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 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II ,III & IV annexed to this order:

1. The consent to Operate is granted for period upto 31.05.2018.
2. The Capital Investment of the industry is Rs. 7261.16 Cr (As per C.A. Certificate submitted by industry)
3. The Consent to Operate is valid for operation of :

Sr. No.	Components
1	Domestic Terminals – existing & extensions (1A, 1B, 1C & CA)
2	Redeveloped Integrated Terminal (T2) (on land area of 2,10,000 sq.m. and BUA of 4,53,512 sq.m.)
3	Cargo Terminal

4	Runways and Taxiways (Domestic and International) (some Taxiways was applied for C to E (Phase-II) granted dtd. 24.01.2012 and will be taken for operation now)
5	Aprons and Parking bays (Domestic and International) (It includes International apron (Phase-I & Phase-II) on land area of 3,27,998 sq.m. and BUA of Nil** ** No Building /structures involved. These are open areas (some part of International apron was applied for C to E (Phase-II) granted dtd. 24.01.2012 and will be taken for operation now)
6	ATC tower
7	Vehicle parking areas, Multi Level Car Parking & Access roads (Domestic & International) (It includes Terminal 2 Multilevel car parking (T2MLCP) & access roads* on land area of 40,000 sq.m. and BUA of 1,93,996 sq.m.) * Area of approach road of 27m width is about 63585.78 Sq.m.
8	Sewage Treatment Plants (Domestic & International)
9	Main rescue and Fire fighting building (This is the integral part of airport safety system)

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	6615	As per Schedule -I	Recycle for cooling & flushing. (1600 CMD RO reject disposal in MCGM Sewer)

5. Conditions under Air (P&CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Location	Standards to be achieved
1	DG set (6x3000 KVA)	6	Utility building T2	As per Schedule -II
2	DG set (2x625 KVA)	2	Terminal 1A	
3	DG set (2x1010 KVA)	2	Terminal 1C	
4	DG set (1x625 KVA)	1	Terminal 1C	
5	DG set (1x500 KVA)	1	CCR 2	
6	DG set (1x625 KVA)	1	CCR 2	
7	DG set (2x750 KVA)	2	CCR 1	
8	DG set (1x500 KVA)	1	Cargo Intake point	
9	DG set (1x437.5 KVA)	1	Cargo Intake point	
10	DG set (2x62.5 KVA)	2	Import wearhouse	
11	DG set (1x500 KVA)	1	Import cold zone	
12	DG set (1x125 KVA)	1	Corporate Aviation terminal	

6. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000:

Sr. no	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Solid waste including waste plastics, waste papers, waste plastic /glass bottles, waste wood, broken tins, other scrap, wet garbage, food waste etc	13.0 MT/day	PP shall Segregate waste as dry and wet at source and shall provide OWC for wet waste, Dry waste shall be handed over to local body or for recycling.	Wet waste as manure. Dry waste shall be handed over to local body or for recycling.

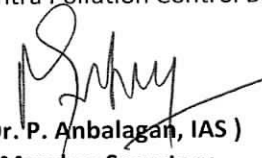
2	STP sludge	2.0 MT/day	--	Manure
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7. **Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:**

Sr. no.	Type Of Waste	Category	Quantity & UoM	Treatment	Disposal
1	Used Oil -filters	3.3	2.0 MT/annum	--	Shall be sent to CHWTSDF
2	Empty bitumen drums/paint tins/chemical drums	33.3	10.0 MT/annum	--	
3	Oil Contaminated Waste / hazardous cargo	5.2	25 MT/annum	--	
4	Deposits of rubber & paint from runway	23.1	150 MT/annum		Shall be sent to CHWTSDF
5	Used Oil	5.1	20 MT/annum		Sale to Authorized recycler

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. PP shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/ CRZ clearance and C to O.
11. **PP shall comply with the conditions stipulated in Environmental Clearance granted vide No. 10-5/2007-IA-III dtd. 03.04.2007 and Environmental clearance granted by Environment Department, GoM vide SEAC 2010/CR. 53/TC-2 dtd. 01.07.2011**
12. **PP shall provide OWC within 3 months period and submit BG of Rs. 2 lakhs towards compliance of the same.**

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	4,35,67,060/-	097111	28.04.2015	Axis Bank

Copy to:

1. Regional Officer -Mumbai and Sub-Regional Officer- Mumbai-II, MPCB, Mumbai. They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your consent application, you have provided the existing sewage treatment system with the design capacities 4 MLD, 10 MLD & 1 MLD.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27oC)	30
02	Suspended Solids	50
03	COD	100
04	Residual Chlorine	1ppm

- C] The treated sewage shall be recycled for flushing, fire fighting, cooling, Landscaping etc. and 1600 CMD reject from UF & RO shall be disposed in MCGM Sewer.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00 CMD
2.	Domestic purpose	7100 CMD from MCGM (Domestic-6435, water to aircraft- 665) Recycled water for flushing: 4290 CMD, Recycled water for Aircraft: 265 CMD, Recycled water for HVAC: 3200 CMD, Recycled water for landscape: 645 CMD
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00 CMD
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00 CMD



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have installed the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.*	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	DG set (6x3000 KVA)	Acoustic enclosure	31.0	Diesel	615	1	
2	DG set (2x625 KVA)	Acoustic enclosure	22.7	Diesel	140	1	
3	DG set (2x1010 KVA)	Acoustic enclosure	24.7	Diesel	195	1	
4	DG set (1x625 KVA)	Acoustic enclosure	31	Diesel	140	1	
5	DG set (1x500 KVA)	Acoustic enclosure	4.2	Diesel	100	1	
6	DG set (1x625 KVA)	Acoustic enclosure	4.2	Diesel	140	1	
7	DG set (2x750 KVA)	Acoustic enclosure	7.5	Diesel	160	1	
8	DG set (1x500 KVA)	Acoustic enclosure	6.5	Diesel	100	1	
9	DG set (1x437.5 KVA)	Acoustic enclosure	5.5	Diesel	90	1	
10	DG set (2x62.5 KVA)	Acoustic enclosure	4.7	Diesel	15	1	
11	DG set (1x500 KVA)	Acoustic enclosure	11.5	Diesel	100	1	
12	DG set (1x125 KVA)	Acoustic enclosure	7.0	Diesel	30	1	

*above the roof of bldg. in which it is installed

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

SPM/TPM	Not to exceed	150 mg/Nm ³ .
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. The applicant shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient noise standards.



Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period**	Purpose of BG #	Compliance Period	Validity Date++
1	C to R	Rs. 10 lakh	Extend within 15 days of issue of consent	Towards O & M of pollution control system.	Up to validity of this consent	Validity of this Consent + 4 months
2	C to R	Rs. 2 lakh	Within 15 days of issue of consent	Towards provision of OWC	3 months	7 months

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

++ The Bank Guarantee(s) shall be valid for a period upto: Validity of consent + 4 months

Existing BG obtained for above purpose if any may be extended for period of validity as above. Other BG's submitted towards O & M of pollution control system if any shall be returned to applicant.



Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.
- 10) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 11) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 13) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use

- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 14) The industry should not cause any nuisance in surrounding area.
- 15) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 16) The applicant shall maintain good housekeeping.
- 17) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 18) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 19) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 20) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 21) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 22) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 23) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.

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