

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No :- Format1.0/BO/CAC-cell//EIC-RD-3154-15/CE/CAC- 12995
Date- 14/10/2015

To,
The Superintendent Engineer (AP-R/R)
NIMA Project, CIDCO, Tower No. 10,
3rd Floor, Commercial Complex, Belapur Railway Station,
CBD Belapur, Navi Mumbai-400 614.

Subject: Consent to Establish for construction of PHASE-I of Proposed Navi Mumbai International Air Port project in RED category.

Ref :

1. Environmental and CRZ Clearance granted by MoEF, Gol vide no. F.No. 10-53/2009-IA.III dtd. 22.11.2010
2. Your application approved in 7th CAC Meeting of 2015-2016 held on 06.10.2015.

Your application CE1510000019
Dated: 28.09.2015

For: Consent to Establish under Section 25 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 establish is granted for commissioning of the unit or 5 years whichever is earlier.
2. The proposed capital investment of the PHASE-I project is Rs. 4424 Crs. (As per undertaking submitted by applicant) (As per EC estimated cost of whole project is Rs. 8722 crs spread over 4 phases)
3. The Consent to Establish is valid for construction of PHASE-I (for 10 Million Passengers Per Annum (MPPA)) of Navi Mumbai International Airport by City & Industrial Development Corporation of Maharashtra Ltd. at longitude of 73^o.04'.18" and latitude of 18^o.59'.33", Survey of India Topo sheet no. 47-A/16,A/13,E/4,F/1 in Panvel Taluka Dist. Raigad, Maharashtra (as per EC) on total plot area of 1160 Ha. And total construction BUA of 6,73,000 sq.m. as per construction commencement certificate issued by local body.

The Consent to Establish is valid for development/construction of:

Sr. No.	Components
1	Land development
2	Construction of Terminal Building
3	Construction of Control Tower & ATM Building
4	Construction of Runway of length 4. Km
5	Construction of Air Cargo Building
6	Construction of Access Roads

7	Construction of associated Apron & taxi way
8	Construction of Parking areas
9	Construction of area drainage system
10	Provision of utilities such as Power supply, water supply & Sanitation (STP, SWM)
11	Construction of Compound wall & Security fence
12	Airport maintenance hangars etc.

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	The waste water generated from the aircraft maintenance hangers and the surface runoff from the airport area shall be treated in separate treatment plant. Applicant shall submit the comprehensive plan for the same.	As per Schedule -I	The treated effluent shall be 100% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting etc.
2.	Domestic effluent	1300	As per Schedule -I	The treated effluent shall be 80% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting etc. and remaining shall be used on land for gardening purpose within project premises only.

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	D.G. Set (5x500 KVA)	5	As per Schedule -II

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

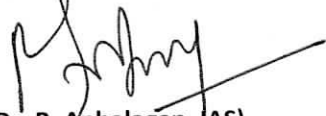
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Wet Waste	10 T/day	MSW waste generated shall be segregated into Dry and Wet waste and shall be treated and disposed as per MSW Rule, 2000	As per MSW Rule, 2000
2	Dry waste			

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. N	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
There shall be no generation of Hazardous waste						

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 E.
11. The applicant shall comply with the conditions stipulated in Environmental and CRZ Clearance granted by MoEF, Gov vide no. F.No. 10-53/2009-IA.III dtd. 22.11.2010.
12. The waste water generated from the aircraft maintenance hangers may contain hazardous materials like lead, chromium, sulphates, phenolic compounds, V.O.C.'s etc. The surface runoff from the airport area shall also contain oils, grease, sulphates etc, which cannot be sent directly to sewage treatment plant for the treatment. A separate treatment plant or managing the waste water shall be specified and adopted. Applicant shall submit the comprehensive plan for the same within 3 months.
13. PP shall obtain necessary amendment in EC for the additional Construction BUA of 1,73,000 sq.m., as EC is granted for BUA only 5,00,000 sq.m. and you have proposed to construct total BUA of 6,73,000 sq.m.
14. The applicant should not take any effective steps for implementation of the additional BUA of 1,73,000 sq.m. before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.
15. The applicant shall not take any effective step for remaining Phase-II, III & IV of Airport without obtaining Consent to Establish from Board.

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	33,45,000/-	319534	11.02.2015	Indian Overseas Bank
2	55,03,000/-	355053	26.08.2015	Indian Overseas Bank

Copy to:

1. Regional Officer, Raigad and Sub-Regional Officer MPCB, Raigad-I
-- 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 application, you have proposed to provide Sewage Treatment Plants (STPs) with the design capacity of 1500 CMD based on SBR Technology.
B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or 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 effluent shall be 80% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting etc. and remaining shall be used on land for gardening purpose within project premises only.
- 2) A] The waste water generated from the aircraft maintenance hangers may contain hazardous materials like lead, chromium, sulphates, phenolic compounds, V.O.C.'s etc. The surface runoff from the airport area shall also contain oils, grease, sulphates etc, which cannot be sent directly to sewage treatment plant for the treatment. A separate treatment plant or managing the waste water shall be specified and adopted. Applicant shall submit the comprehensive plan for the same within 3 months.
B] The treated effluent shall be 100% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting etc.
- 3) 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 and extension or addition thereto.
- 4) 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.
- 5) 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 there under 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
2.	Domestic purpose	1600
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack To	Attached	APC System	Height in Mtrs.	Type of Fuel	Quantity UoM	& S %	SO ₂ Kg/Day
1	D.G. Set (5x500 KVA)		Acoustic Enclosure	4.5* each	HSD		1	--

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.



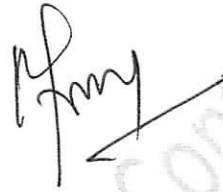
Schedule-III
Details of Bank Guarantees

Proposed BG:

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period**	Purpose of BG	Compliance Period	Validity Date++
1	C to E	Rs. 10 lakh	Within 15 days of issue of consent	Toward compliance of consent to establish condition and EC conditions.	Up to validity of this consent	Validity of this Consent + 4 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



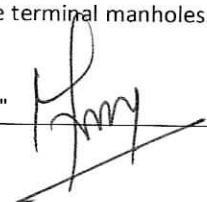
Schedule-IV

Conditions during construction phase

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise generating activity shall be carried out during day time only.

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 recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) The industry should comply with the Bio-Medical Waste (M & H) Rules, 1989 and amendments thereto, Batteries (M & H) Rules, 2001 and amendments thereto and E- waste (M & H) Rules, 2012.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 12) 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).
- 13) 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.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.



- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) 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.
- 17) 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
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 26) Ready mix concrete plant if provided for building construction purpose, then applicant shall apply separately for consent from the Board.
- 27) Cutting of trees is not permitted, however in unavoidable conditions necessary permission shall be obtained from local body/Tree Authority.
- 28) The kitchen shall be provided with exhaust system with exhaust system chimney with oil catcher connected to chimney through ducting.
- 29) Applicant shall prepare onsite emergency plan and get the same approved from relevant Authorities.
- 30) The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented and follow due diligence during construction stage.

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