

MAHARASHTRA POLLUTION CONTROL BOARD

Phone :- 24010437/24020781/24014701

Fax :- 24044532 / 24023516

Email :- enquiry@mpcb.gov.in

Visit At:- <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion-
Matunga Scheme Road No. 8, Opp.
Cine Planet Cinema, Near Sion Circle,
Sion (E), Mumbai - 400 022

Consent order No: Format 1.0/BO/CAC-Cell/EIC-MU-5390-13/CE/CAC - 5964
Date: 25/06/2014

To,
M/s. Mazagon Dock Limited
"Submarine Section Assembly Workshop",
Alcock Yard, MDL,
Dockyard Road, Mumbai-10

Sub : Consent to Establish for expansion of dry yard for ship building activity in Red category.

Ref : Minutes of 5th CAC meeting of 2014-15 held on 29/05/2014

Your application Date: 22/07/2013.

For: Consent to Establish for expansion

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 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 (Expansion) is granted for a period upto:- Commissioning of the unit or five years, whichever is earlier.
2. The Proposed Capital investment of the expansion Project is Rs. 144.27 Crs. (As per undertaking).
3. The Consent to Establish is valid for construction of new **Submarine Section Assembly Workshop at Alcock Yard, MDL, Dockyard Road, Mumbai-** by M/s. Mazagon Dock Limited, and for manufacturing activity of Submarine (Approx. 133 MT/M fabrication of steel) including repair, spare, etc. on total plot area of 37,076.0 Sq. mtrs and total construction area for expansion project is 17,751.96 Sq. mtrs. As per construction commencement certificate issued by competent authority.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge	Standards to be achieved	Disposal
1.	Trade effluent	1.0 CMD	As per Schedule -I	60% shall be reused & recycled and remaining shall be discharged in municipal sewer.
2.	Domestic effluent	1.0 CMD		

5. ³ Conditions under Air (P&CP) Act, 1981 for air emissions: ³

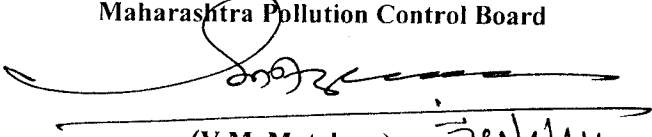
Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved

6. Conditions under Hazardous Wastes (M, H & T M) Rules 2008

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
Nil					

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
9. The applicant should not take any effective steps for implementation of the project before obtaining CRZ Clearance / CRZ exemption letter from competent authority.

For and on behalf of the
Maharashtra Pollution Control Board


(V.M. Motghare)
I/c. Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	288540/-	012085	15/07/2013	ICICI Bank
2.	100/-	979370	19/07/2013	Federal Bank

Copy to:

1. Regional Officer, MPCB, Mumbai, and Sub-Regional Officer, Mumbai-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] 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.

1	pH	Not to exceed	6.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
4	Detergent	Not to exceed	01 mg/l.

C] The treated effluent should be disposed into the sewerage system provided by MCGM. The areas whereas sewerage system is not provided by The Sewerage system by MCGM should be pointed out by the Port Authorities should provide the facility to dispose off the treated effluent through closed pipeline as per the guidelines of NIO for disposal of marine outlet. In this case, the Port authorities should carried out marine outfall monitoring once in a month through MoEF approved laboratory. The primary water quality criteria for class SW-II waters should meet following standards at the dispersal point of outfall in the sea

- 2) The firm 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.
- 3) 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.	Domestic purpose	3.0
2.	Industrial purpose	2.0

- 4) The firm shall provide Specific Water Pollution control system as per the conditions of EPA Act, 1986 and rule made there under from time to time/ Environmental Clearance.

Schedule-II

Terms & conditions for compliance of Air & Noise Pollution Control:

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

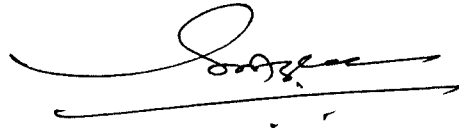
Sr. No.	Stack Attached To	Height in Mtrs. (Above roof top)	Type of Fuel	Quantity
		---Nil---		

* D.G. Set shall be operate only in case of power failure.

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150.00 mg/Nm ³ .
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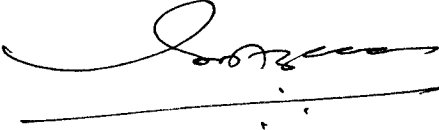
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its 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)
5. Ambient noise levels should conform to prescribed standards both during day and night. The ambient air and noise quality should be closely monitored during construction phase.



Schedule-III

Details of Bank Guarantees

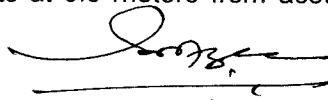
<u>Sr. No.</u>	<u>Consent (C to E/O/R)</u>	<u>Amt of BG Imposed</u>	<u>Submission Period</u>	<u>Purpose of BG</u>	<u>Compliance Period</u>	<u>Validity Date</u>
Proposed						
1	C to E	Rs. 10 lakh	9.7.2014	Towards not taking any effective steps for implementation of the project before obtaining CRZ Clearance / CRZ exemption letter from competent authority	Commissioning of the unit or five years, whichever is earlier	Five years from date of issue of consent



Schedule-IV

General Conditions:

- 1) The applicant should 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 should pay to the Board for the services rendered in this behalf.
- 2) Applicant should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant should provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same should be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2, etc. and these should 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 should 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 should be stopped.
- 5) The applicant should 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 should stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm should 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 Applicant should 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 should 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 Applicant should 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.
- 9) An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
- 10) The applicant should obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Activity.
- 11) The Applicant should constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes/sewers downstream of the terminal manholes. No effluent should find its way other than in designed and provided collection system.
- 13) Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.
- 14) The applicant should 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 should be maintained.
- 15) **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) Applicant 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) should 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) Applicant 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 should 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 should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 16) The Applicant should not cause any nuisance in surrounding area.
 - 17) The Applicant should 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.
 - 18) The applicant should maintain good housekeeping.
 - 19) 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 should take necessary permissions from civic authorities for disposal of solid waste.
 - 20) The applicant should 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 Applicant will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 - 21) The Applicant should ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 - 22) The Applicant should achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dated 16.11.2009 as amended.
 - 23) Dock Authorities should comply with the Batteries (Management & Handling) Rules, 2000.
 - 24) A separate Environmental management Cell with suitable qualified staff to carry out various environment related functions should be set up under the charge of senior Executive who will report directly to the Chief executive of the Company.
 - 25) An inspection book should be opened and made available to the Board Officers during their visit to the port.
 - 26) Dock Authority should be considered equally responsible in case of Failure of Brihanmumbai Municipal Corporation in respect of Municipal Solid Wastes Management and Handling and disposal of treated effluent.
 - 27) Specific arrangement for rain water harvesting should be made and the rain water so harvested should be optimally utilized.
 - 28) 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 should be forthwith reported to Board, Concerned Police station, Office of directorate of Health Services, Department of explosives, Inspectorate of Factories and local body.
 - 29) The project proponent should obtain insurance under Public Liability Insurance act, 1991 and inform this office accordingly.
 - 30) This consent should not be constructed as exemption for obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
 - 31) The applicant should comply with the provisions of the CRZ Rules.
 - 32) The applicant should provide tar/ concert roads inside the premises.
 - 33) Applicant should not undertake any mangroves destruction during operation of the project.
 - 34) Applicant should prepare disaster management plan & should be updated time to time.

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