

# MAHARASHTRA POLLUTION CONTROL BOARD

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RED/LSI

Consent order No :- Format 1.0/BO/CAC-cell/EIC no.KP-15843-14/O/CAC-14471  
Date- 16/11/2015

To,  
M/s. Lavgan Dockyard Ltd.,  
Vill-Sande lavgan, PO Jaigad,  
Tal & Dist-Ratnagiri-415614.

Subject: First Consent to Operate for Ship repairing activity (without Ship breaking activity) in RED category.

Ref :

1. Consent to Establish granted vide no. BO/RO(P&P)/EICno.KP-3142-09/E/CC-Nil dated 1.1.2010.
2. CRZ clearance granted by MoEF vide no. 11-54/2007-IA.III dated 1.4.2009.
3. Your application approved in 6<sup>th</sup> CAC meeting of 2015-2016 held on 27.08.2015

Your application CO1407000270

Dated: 24.7.2014

For: Consent to Operate for Ship repairing activity

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 a period up to 30.9.2016.
2. The capital investment of the activity is Rs. 417.21 crs. (As per CA certificate submitted by industry)
3. The Consent to Operate is valid for following activity-

Sr. No.	Activity	Max qty
	Ship Repairing and Maintenance activity (without ship breaking activities) (at 6 berths alongwith ship transfer system only for ship repairing activity)	80-100 vessels/year

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	65	As per Schedule -I	The treated effluent shall be recycled up to 60% or to maximum extent and remaining shall be used on land for gardening purpose
2.	Domestic effluent	8	As per Schedule -I	The treated effluent shall be recycled up to 60% or to maximum extent and remaining shall be used on land for gardening purpose within factory

				premises only. In no case, effluent shall find its way for outside factory premises.
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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.	Crane Engine (4 nos.)	1	As per Schedule-II
2.	DG set ( 1010 KVA)	1	As per Schedule-II
3.	DG set ( 500 KVA)	1	As per Schedule-II
4.	DG set (500 KVA)	1	As per Schedule-II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Packaging material, card board carton, wooden boxes etc	10 MT/M	-	Sale
2	Metal Scrap ( non-ferrous)	20 MT/year		Sale to Authorized recycler

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/spent oil	5.1	5	MT/year	--	Sale to authorized reprocessor

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- The applicant shall strictly comply with condition stipulated in CRZ clearance granted by MoEF vide no. 11-54/2007-IA.III dated 1.4.2009.
- Applicant shall prepare & submit Oil Spill Mitigation Plan within 4 months.

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	Remarks
1	8,34,425/-	253504	5.5.2014	ICICI bank	C to O fees
2.	2,43,210/-	278434	03.10.2015	ICICI bank	C to E fees towards increase in CI from Rs. 174 crs to Rs. 417.21 crs.

Copy to:

- Regional Officer – Kolhapur and Sub-Regional Officer- Ratnagiri, MPCB, Raigad. They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- 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 provided Effluent Treatment Plant (ETP) of Capacity 65 CMD & 105 CMD.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent 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	pH	6.5-8.5
02	Oil & Grease	10
03	BOD (3 days 27oC)	100
04	Total Dissolved Solids	2100
05	Suspended Solids	100
06	COD	250
07	Chloride	600
08	Sulphate	1000
09	Dissolved phosphate	5.0
10	Lead	0.1
11	Zinc	5
12	Cadmium as Cd	0.2
13	Copper	3.0
14	Hexavalent Chromium	0.1
15	Total Chromium	2
16	Phenolic compound	1
17	Iron	3

- C) The treated effluent shall be recycled up to 60% or to maximum extent and remaining shall be used on land for gardening purpose within factory premises only (i.e. on open area of 56,580 sq.m. available with applicant). In no case, effluent shall find its way for outside factory premises.
- 2) A] As per your consent application, you have provided the sewage treatment system with the design capacity of 40 CMD.
- 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 effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting etc. and remaining shall be used on land for gardening (i.e. on open area of 56,580 sq.m. available with applicant).

- 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) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	
2.	Domestic purpose	10
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	65
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	-----
5.	Gardening	25

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided 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 <sub>2</sub> Kg/Day
1	Crane Engine (4 nos.)	--	5	HSD	340 lit/hr	1	
2	DG set ( 1010 KVA)	Acoustic enclosure, chimney	6.5	HSD		1	
3	DG set ( 500 KVA)	Acoustic enclosure, chimney	4.5	HSD		1	
4	DG set (500 KVA)	Acoustic enclosure, chimney	4.5	HSD	750 lit/day	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.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve consented standards:
4. 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.
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).



**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++
<b>Proposed</b>						
1	C to O	Rs. 10 lakh	15 days from date of issue consent	Towards O & M of pollution control system	Continuous	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



Maharashtra Pollution Control Board

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 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 30<sup>th</sup> 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 make an application for renewal of consent to operate 60 days before expiry of validity of consent.**
- 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](http://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 31<sup>st</sup> 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.

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