

MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Rd. No.8,
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Mumbai-400 022.

RED/LSI

Consent No. BO/JD(APC)/ EIC NO NK-10891-12 /E/CC- **573**

Date: 12/09/2012

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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management Handling & Transboundary Movement) Rules, 2008.

[To be referred as Water Act, Air Act and HW (MH & TM) Rules respectively].

CONSENT is hereby granted to

M/s Jindal Saw Limited
Gut No.161, Near MIDC, Village- Malegaon,
Dist-Nashik.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(MH&TM) Rules and amendments thereto 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 granted for a period up to- Commissioning of the project or 5 years whichever is earlier.**

2. **The Consent is valid for the manufacture of -**

Sr. No.	Product	Maximum Quantity
1.	Seamless Cold Drawn tubes in grades- Carbon Steel, Alloy Steel & Bearing Steel	3000 MT/Month

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed **150.0 m³**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **20.0 m³**.
- (iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatment system 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:

1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3 days 27°C	Not to exceed	100 mg/l.
4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.
6)	TDS	Not to exceed	2100 mg/l.
7)	Chlorides	Not to exceed	600 mg/l.
8)	Sulphates	Not to exceed	1000 mg/l.
9)	Chromium	Not to exceed	0.1 mg/l.
10)	Iron (as Fe)	Not to exceed	3.0 mg/l.
- (iv) **Trade Effluent Disposal:** The metal bearing industrial effluent shall be segregated and reused back into process completely. There shall not be any discharge outside the factory premises.
- (v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1)	Suspended Solids	Not to exceed	100	mg/l.
(2)	BOD 3 days 27° C.	Not to exceed	100	mg/l.
- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be reused/recycle in the process and remaining if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

<u>Sr.No.</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1.	Steel Scrap	500 MT/month	-----	By sale to authorized party
2.	Coal Ash	1500 kg/day	By sale to authorized party

(viii) **Other conditions:** The industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under:

The daily water consumption for the following categories is as under:

Domestic	30.0 CMD
Industrial processing generating Bio-Degradable waste water CMD
Industrial processing generating Non-Bio-Degradable waste water	175.0 CMD
Industrial Boiler/Cooling etc.	15.0 CMD
Any other and gardening.	----- CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT :**

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

A) Control Equipment:

- 1) Fume extraction system followed by Scrubber shall be provided to cold mill furnace & Surface Treatment Plant (Pickling) and adequate air pollution control system shall be provided to Thermic Fluid Heater so as to achieve the following standards.
- 2) Industry shall provide secondary (fugitive) emissions control system for emission occurs during the process of loading of raw material as well as unloading the product i.e while powering

B) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 100 mg/Nm³
- (ii) SO₂ Not to exceed 9.54 Kg/Day.

(ii) **The applicant shall observe the following fuel pattern:-**

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	46 Lit/hr
2.	Coal	175 kg/hr

(iii) **The applicant shall erect the chimney(s) of the following specifications:-**

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	Thermic Fluid Heater	30.0
2.	Scrubber-Surface Treatment Plant (Pickling)	30.0
3.	DG sets (1x 82.50 KVA)	15.0
4.	DG sets(1x200 KVA)	15.0

(iv) **Conditions for DG Sets: -**

1. Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
2. Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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 shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
3. The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.

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4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
 5. A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
 6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
 7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
 8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.
- (v) 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.
- (vi) 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.
- (vii) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality regularly.

6. CONDITIONS UNDER HAZARDOUS WASTE (MH & TM) RULES, 2008:

(i) The applicant shall handle hazardous waste as specified below:-

Sr. No.	Item No. of Process Generating H.W. as per Schedule-I	Type of Waste	Quantity	Disposal
1.	34.3	Chemical sludge from waste water treatment	2000 MT/Year	CHWTSDF
2.	5.1	Used/spent oil	2075 lit/month	Shall be disposed off by sale to MPCB authorized recyclers/re processors
3.	12.3	Spent Acid	5.0 KL/day	Shall be disposed by sale to MPCB authorised ARP facility.

(ii) The authorization is here by granted to operate a facility for collection, storage, transport & disposal of hazardous waste.

7. 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.

8. General conditions:

- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.

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- (iii) 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (iv) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (v) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (vi) 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.
- (vii) The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- (viii) The applicant shall not change or alter 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.

9. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before starting actual commercial production.

10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.

11. This is issued pursuant to the decision of Consent Committee meeting of the Board held on 4th September,2012.

12. Industry shall either install own ARP or join nearest authorised ARP facility. Industry shall install adequate APC system to thermic fluid heater.

The applicant shall submit the irrevocable BG of Rs. 5 lakhs towards the compliance of above,drawn in favour of Regional Officer,M.P.C.Board, Nashik within 15 days period valid for one year period.

13. The Total Capital investment of industry is Rs.58.0/- Crore.

For and On Behalf of the
Maharashtra Pollution Control Board,


(V.B. Waghjale)
Member Secretary

To,
M/s Jindal Saw Limited
Gut No.161,Near MIDC, Village- Malegaon,
Dist-Nashik.

Copy to:

1) Regional Officer, MPCB, Nashik 2) Sub-Regional Officer, MPCB, Nashik.

They are directed to obtain irrevocable BG of Rs. 5.0/-lakhs from the industry as per the consent condition no.12 and submit the compliance report.

3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

<u>Amount</u>	<u>D.D.No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs.1,00,000/-	537874	19.01.2012	Axis Bank
4] Cess Branch, MPCB.			