

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd - 4th Fl.

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

Rev. L.S./

Consent No: BCI/JDI/APC/MTB-1/EIC No. NG-6435-12/R/CC-399

Date: 02/06/2012
 12012

Consent to Operate 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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management & Handling) Rules, 1989 and Amendment Rules. [To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

Consent is hereby granted to

M/s. Esab India Limited
 B - 28, MIDC Industrial Area, Kalmeshwar,
 Tal- Kalmeshwar, Dist-Nagpur

to carry out the above works under the provision of the Water Act, Air Act and Authorization under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the Rules and the Orders that may be made further and subject to the following conditions:-

1. The Consent to Operate is granted for period up to - 31-10-2013.
2. The Consent is valid for the manufacture of -

Sl. No.	Product	Maximum Quantity
1	Co. Welding Wire	1750 MT/Month
2	SS Welding Wire	150 MT/Month
3	Recycling of SS Welding Wire	210 MT/Month

3. **CONDITIONS UNDER WATER ACT:**

The total quantity of trade effluent from the factory shall not exceed 160.0 m³

The total quantity of Sewage effluent from the factory shall not exceed 4.4 m³

Trade Effluent:

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:

Sl. No.	Parameter	Standard	Limit
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	Iron	Not to Exceed	5.0 mg/l
10	Copper	Not to Exceed	3.0 mg/l

Trade Effluent Disposal: The treated effluent shall be used to the maximum extent possible and shall be used on land for gardening in the factory premises and shall not be directly discharge outside the factory premises.

Waste 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

- 4) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in soak pits, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening/plantation only.

(vi) Non-Hazardous Solid Wastes

Sr. No.	Type of waste	Quantity	Treatment	Disposal
1	M.S. Wire Scrap	76 MT/Month	--	By sale
2	Packing Materials and containers	1.89 MT/Month	--	By sale

(vii) 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 thereunder:

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

(i)	Domestic	5.5 CMD
(ii)	Industrial Processing	180.0 CMD
(iii)	Industrial Cooling	51.0 CMD
(iv)	Agriculture/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 :

(i) Bag filter provided to mechanical de-scaling machine and lubricating powder spraying chamber & air emission control system provided to all sources of SPM/TPM shall operate & maintain properly and continuously so as to achieve the standards prescribed as under.

B) Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	Acid Mist	Not to exceed	35 mg/Nm ³

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

<u>Sr. No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
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(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	Scrubber	15 (above ground)
2	Mechanical De-scaling Machine *	11.0 (above ground)
3	Lubricating Powder Spraying Chamber*	11.0 (above ground)

(Note * - Common for New Plant Phase I & II)

(iv) 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.

(v) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air 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 6a.m.

(VI) 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:

The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. as per Sch-I	Type of Waste	Quantity	Disposal
1	5.1	Used/Spent Oil	0.04 MT/Month	MPCB approved reprocessor.
2	34.3	ETP Sludge containing spent acid	4.0 MT/Month	CHWTSDF

(v) Treatment: --

(vi) The authorization is hereby granted to operate a facility for collection, storage, transport and 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:

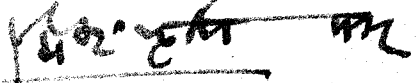
- The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / Inhabitants
- The application shall bring minimum 33% of the available open land under green coverage plantation.
- Solid waste – The 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 to dumping ground.
- The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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.
- 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.
- 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.
- The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- The firm shall submit MPCB, 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 before 30th September every year.
- As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- The applicant shall install a separate electric 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.
- 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.

:4:

3 This is issued pursuant to the decision of consent committee meeting of Board held on 20.08.2010

10 Total Gross Capital investment of the industry is Rs. 46.70 Cr.

For and on Behalf of the
Maharashtra Pollution Control Board,



(Milind Mhaskar, IAS)
Member Secretary

To
M/s. Esab India Limited
B - 28, MIDC Industrial Area,
Kalmeshwar,
Nagpur

Copy to:

1) Regional Officer, MPCB, Nagpur 2) Sub-Regional Officer, MPCB, Nagpur-I.

They are directed to submit the performance report along with monitoring results within one month period.

3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

<u>Amount</u>	<u>Sl. No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs 2,10,000/-	087728	15.11.2010	Axis Bank Ltd.

Consent Fees received as per revised consent fee GR of Env Deptt, GoM, dated 25.8.2011.

4) Cash Branch, MPCB.