

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/M.S.I

Consent No: BO/JD(APC)/EIC No. NK-18669-15/R/CC-284 Date: ~~23/02/2017~~ 23/02/2017.

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 & Transboundary Movement) Rules 2008

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

CONSENT is hereby granted to

M/s. Jyoti Structures Ltd.,(Plant -II)
Plot No. E-60/61,
MIDC Satpur, Nashik

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) 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 Operate is granted for a period up to: 28/02/2018.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Galvanized Transmission Tower Parts & Other Structure (with Pickling & Galvanizing)	2235	MT/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed **18.0 M³**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **25.0 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

Sr.no	Parameter	Limits	
1	pH	Between	5.5 to 9.0
2	BOD	Not to exceed	30 mg/l
3	COD	Not to exceed	250 mg/l
4	Oil & Grease	Not to exceed	10 mg/l
5	Suspended Solids	Not to exceed	100 mg/l
6	TDS	Not to exceed	2100 mg/l
7	Sulphate	Not to exceed	1000 mg/l
8	Chloride	Not to exceed	600 mg/l
9	Phosphate	Not to exceed	5.0 mg/l
10	Zinc	Not to exceed	5.0 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 27o C.	Not to exceed	100 mg/l.

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

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	MS Scrap	150	T/M	---	By sale

- (viii) **Other Conditions:** Industry should 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 amendment Rules, 2003 there under

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

(i)	Domestic	40.0 CMD
(ii)	Industrial Processing	20.0 CMD
(iii)	Industrial Cooling	16.0 CMD
(iv)	Agriculture / Gardening	0.0 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 equipment's 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:**

- Adequate fume extraction system followed by dust collection system of sufficient capacity shall be provided at all dust-generating locations and operated properly and continuously.
- Fume extraction system followed by wet scrubber provided to pickling section & galvanizing section shall be operated properly and continuously.
- There shall not be any secondary (fugitive) emissions.

b. **Standards for Emissions of Air Pollutants:**

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	SO ₂	Not to exceed	250 Kg/day
(iii)	SO ₂ (Process)	Not to exceed	50 ppm
(iv)	Acid mist	Not to exceed	35 mg/Nm ³

- c. The applicant shall observe the following fuel pattern:

Sr.no	Type of Fuel	Qty	UOM
1	Furnace Oil	1800	Lit/day
2	L.D.O.	400	Lit/day
3	HSD	90	Lit/day

- d. The applicant shall erect the chimney(s) of the following specifications:-

Sr.no	Chimney Attached to	Heights in Mtrs
1	Zinc Bath	25.0
2	Hot Bending Section	21.0
3	D.G. Set (1x200 KVA)	4.0>(* Above roof top of building in which it is installed)

- e. 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.
- f. 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.
- g. **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 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.
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.

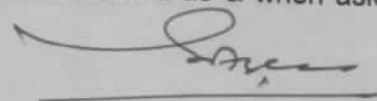
7. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:

(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	34.3 Chemical sludge from waste treatment plant	5.0	MT/M	At CHWTSDF
2	5.1 used/Spent oil	17.0	Lit/M	Reused in galvanizing furnace
3	6.2 Zinc Ash	25.0	MT/M	At CHWTSDF, Rajangaon Pune or sale to autorise recycler/reprocesoor
4	12.1 Acid residue & Spent Acid	90.0	MT/M	Only dispose at autorise Acid Recovery Plant
5	C-4 Zinc compound dross	17.0	MT/M	At CHWTSDF, Rajangaon Pune or sale to autorise recycler/reprocesoor.

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

1. The industry should comply with the Hazardous Waste (M&H) Rules, 2003.
 - a. 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 equipment's, the production process connected to it shall be stopped.
 - b. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
 - c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.



8. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. 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.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant 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 & conditions of this consent regarding pollution levels.
- v. 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 equipment's provided for without previous written permission of the Board.
- vi. 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.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. 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.
- xi. 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

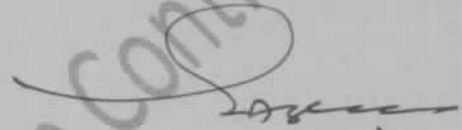
xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

9. Industry shall submit bank guarantee of Rs.3.0 Lakhs valid up to 30.06.2018 in the Regional Office Nashik towards disposal of spent acid at acid recovery plant before 31.07.2017.

10. Industry shall submit bank guarantee of Rs.2.0 Lakhs valid up to 30.06.2018 in the Regional Office Nashik towards operation and maintenance of pollution control system so as to achieve consent standards / and compliance of the same

11. The Capital investment of the industry is Rs. 16.14 Crs.

For and On Behalf of the
Maharashtra Pollution Control Board,



(Dr. V.M.Motghare) 25/1/17
Joint Director (Air Pollution Control)

To,
M/s. Jyoti Structures Ltd.,(Plant -II)
Plot No. E-60/61,
MIDC Satpur, Nashik

Copy to:

1] RO- MPCB Nashik /SRO-MPCB Nashik- They are directed to ensure the compliance of consent conditions & submit the compliance report in respect of disposal of spent acid along with the analysis reports within 1-month period.

2] CAO/Cess Branch/Master File

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	65,100/-	642733	25.02.2015	SBI Bank
2	1,00,000/-	834895	16.08.2016	SBI Bank

- The balance consent fees of Rs.1.0 Lakhs will be adjusted in the next time of renewal of consent to operate.