

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	No: to exceed 1000 mg/l
8	Chloride	Not to exceed 600 mg/l

(iv) **Trade Effluent Disposal:** The treated effluent shall use on land for gardening. 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	350.00	MT/M		By Sale
2	Wooden Scrap	6.00	MT/M		By Sale

(viii) **Other Conditions:**

- The unit shall carry out monthly monitoring of treated domestic as well as industrial effluent and submit the report of the same to the Board regularly
- The unit shall take necessary efforts for segregation of solid waste at source only and disposal salable waste regularly. The records showing waste segregation at source to be maintained.
- The unit shall take necessary efforts regarding rain water harvesting every monsoons.

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	...	72.0 CMD
(ii) Industrial Processing	...	6.0 CMD
(iii) Industrial Cooling	...	77.0 CMD
(iv) Industrial Processing & floor washing	...	0.0 CMD
(iv) Agriculture / Gardening	...	00.0 CMD

[Handwritten Signature]

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:

Control Equipment:

- i) Fume extraction system followed by Dust collection system of sufficient capacity should be provided to all sources of SPM/TPM shall be operated properly and continuously
- ii) The industry shall take all necessary precautions to control noise pollution in the industrial activities and also nuisance due to vibration generated due to hammering operations. The industry shall take suitable acoustic measures including shielding enclosures noise barriers etc. to control the noise levels within norms stipulated to avoided nuisance in the surrounding
- iii) 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	216 Kg/Day

c. Conditions for D.G. Set :

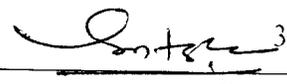
d.(I) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	115	Lit/Hr
2	LDO	184	Lit/Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG Set (500 KVA x 2 Nos)	4.50
2	DG Set (125 KVA)	4.50
3	Furnace (3 Nos)	25.00

6. 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.
7. 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.



(iii) **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.
- 3) The D.G. Set shall be utilized as a standby power source and shall be operate only in case of power failure

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

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

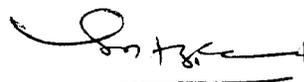
Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1 Used /spent oil	600.00	Lit/M	Sale to auth. reprocessor
2	5.2 Wastes/residue containing oil	400.00	Kg/M	CHWTSDF
3	12.1 Acid residues	27.00	Lit/M	CHWTSDF
4	34.3 Chemical sludge from waste water treatment	30.00	Kg/M	CHWTSDF
5	12.4 Sludge from bath containing organic solvents	10.00	Kg/M	CHWTSDF
6	6.1 Sludge & filter press cake arising out of Zinc Sulpha	20.00	Kg/M	CHWTSDF
7	31.1 Residues and wastes*	600.00	Kg/M	CHWTSDF
8	30.1 Chromium bearing residue and sludge	400.00	Kg/M	CHWTSDF

(ii) Treatment: - NIL

- 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 equipments, 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 **Rule 5 of the Hazardous Wastes (Management, Handling & Transboundry Movement) Rules 2008** and shown & submitted to the Board as & when asked for.

9. Industry shall comply with following general conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all scources 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.



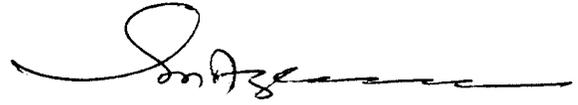
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall 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 equipments 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 (Prctection) (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

10 This issued with approval of Consent Appraisal Committee meeting of the Board held on dtd. 14/02/2012.



11. You shall install adequate capacity sewage treatment plant (STP) for treatment of domestic effluent on or before 15/08/2012 & treated sewage effluent shall be utilized in the own premises for gardening & no discharge is permitted outside the factory area.
12. You shall submit Bank Guarantee of Rs. 5/- Lakh in favor of Regional Officer Pune within 15 days towards installation of STP within six month period for treatment of sewage effluent. The Bank Guarantee shall be valid for one year.
13. The Capital investment of the industry is Rs 101.62 crs

This consent is issued as per the office note dated 02/02/2012 approved by the Hon'ble Chairman of the Board.



(V. M. Motghare)
Joint Director (Air Pollution Control)

To,

M/s. Kalyani Thermal System Limited.
Plot No. E-84, MIDC, Ranjangaon,
Tal. Shirur, Dist. Pune 412 209

Copy to:

- 1) Regional Officer/Sub-Regional Officer, MPCB, Pune-they are directed obtain the B.G. of 5 Lakhs from the industry & submit the present status report within 1 month.
- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	266019	271940	22 Sep 2011	Bank of Baroda

* Consent fees received as per revised consent fees G.R. of Env't. Dept. GoM dated 25/08/2011