

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437 4020731
4037124 4035273
Fax : 40244532 4024068 4023516

Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema
Near Sion Circle, Sion (E),

Email : apae@mpcb.gov.in

Mumbai - 400 022

Visit At : www.mpcb.gov.in



Ref:L.S.I

Date: 12/07/2012

Consent No: BO-JD(APC)/EIC No.PN-13741-12/E/CC-CAC-495

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 & Transboundry Movement) Rules 2008

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

CONSENT is hereby granted to

M/s.Cummins India Ltd,
A1, A1/2, MIDC, Survadi,
Phaltan, Lonand Road, Satara

in the area declared under the provisions of the Water Act, Air act and HW(M&H) Rules and amendments thereto and 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 unit or 5 year which ever is earlier

2. The Consent is valid for the-

S.No.	Particulars	Area	UOM
1	Administrative Building	507.03	Sq mtrs
2	Creche Building	386.14	Sq mtrs
3	Medical Center	510.89	Sq mtrs
4	Security Cabin	166.34	Sq mtrs
5	Training Center	4300.42	Sq mtrs

3. CONDITIONS UNDER WATER ACT:

i. The daily quantity of trade effluent from the factory shall be NIL.
ii. The daily quantity of sewage effluent from the factory shall not exceed 4 M³.

iii. Trade Effluent: N.A.

iv. Trade Effluent Disposal: N.A.

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 5 days @ 20°C	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be treated in sewage treatment plant and treated effluent shall be used on land for gardening / plantation only.

Non-Hazardous Solid Wastes: N.A.

vii) Other Conditions:

1. 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.
 2. The unit shall take necessary efforts for segregation of solid waste at source only and disposal of solid waste regularly. The records showing waste segregation at source to be maintained.
 3. The unit shall take necessary efforts regarding rain water harvesting every month.
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:

(a) Domestic	...	5.0 CMD
(b) Industrial Processing	...	0.0 CMD
(c) Industrial Cooling	...	0.0 CMD
(d) Industrial Processing	...	0.0 CMD
(e) Industrial Cooling	...	0.0 CMD
(f) Industrial Gardening	...	71.0 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 5 of the said Act.

5. CONDITIONS UNDER AIR ACT :

a) 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:

b. Conditions for D.G. Set

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] 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.
- 3] The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is

reckoned between 6 am to 10 pm and Night time is reckoned between 10 pm to 6 pm.

- 4] 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.
- 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 6] 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.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

C) Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	SO ₂	Not to exceed	12 Kg/Day.

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	Diesel (HSD)	25 Lit/Hr

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

Sr. No.	Chimney Attached To	Height
1	D.G Set 160 KVA	3.0 mtrs above roof

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.

8. 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 avoid nuisance in the surrounding

(ii) 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.

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

- (i) The Industry shall not generate any hazardous wastes

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 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 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 Layman's Financial 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.
- ix. As inspection book shall be opened and made available to the Board's officers visiting their plant, 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. 03/07/2012.

11. Industry shall upgrade /modify Sewage treatment plant.

12. The Capital investment of the industry is Rs.586.16 crs (Existing Rs. 555.07 Crs + Proposed Rs.31.09 Crs.)


(Milind Mhaiskar IAS)
Member Secretary

To,
M/s.Cummins India Ltd,
A1, A1/2, MIDC, Survadi,
Phaltan, Lonand Road, Satara

Copy to:
1. Regional Officer/Sub-Regional Officer, MPCB, Satara - they are directed to ensure the compliance of consent conditions.

3. Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of

Sl. No.	Amount	DD No.	Date	Drawn On
1	75000/-	024717	06/03/2012	HDFC Bank

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located in the area declared under the provisions of the Water Act, Air act and authorized 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 issued here and subject to the following terms and conditions:

1. The Consent to establish is granted for a period up to commissioning of the unit or 5 year which ever is earlier

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S.No.	Structure / Name	Area	sqm
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- g. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
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Received Consent fee of

Sr. No.	Amount	Bill No.	Date	Drawn On
1	75000/-	024717	06/03/2012	HDFC Bank