


MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 09/05/2013

Consent No: BO/JD(APC)/EIC No. **PN-15863-12/O/CC-4034**

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. Cummins Generator Technologies India Ltd.,
G-6, MIDC Industrial Area, Ranjangaon.,
Dist. Pune 412 220

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: 29/02/2016.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	A.C. Generators	9000	Nos/Month

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 1 M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 40 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

(iv) **Trade Effluent Disposal:** The treated industrial effluent shall be recycled to the maximum extent and remaining 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)

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

S.No.	Type	Qty	UOM	Disposal
1	Steel Scrap	62767.00	Kg/Annum	By Sale
2	Casting Scrap	2127.00	Kg/Annum	By Sale
3	Aluminum Scrap	200.00	Kg/Annum	By Sale
4	Copper Scrap	7887.00	Kg/Annum	By Sale
5	Wood Scrap	51653.00	Kg/Annum	By Sale
6	Corrugated paper Scrap	75835.00	Kg/Annum	By Sale
7	Plastic Scrap	2373.00	Kg/Annum	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 | ... | 50.0 CMD |
| (ii) Industrial Processing | ... | 1.1 CMD |
| (iii) Industrial Cooling | ... | 0.0 CMD |
| (iv) Agriculture / Gardening | ... | 22.0 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 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 dust collector of sufficient capacity shall be provided to all sources of gaseous emission.
2. There shall not be any secondary (fugitive) emissions

6. Conditions for D.G. Set

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. 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.
- c. 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 75dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- d. 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.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. 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
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	So ₂	Not to exceed	24.0	Kg/day

The applicant shall observe the following fuel pattern:

S.No.	Fuel Type	Qty.	UOM
1	HSD	50.00	Ltr/Hr
2	LPG	0.00	Ltr/Hr

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

(ii)

S.No.	Stack Attached	Height	Remarks
1	LPG fired oven (3 Nos)	1.00	above roof
2	Hot dip roll (3 Nos)	1.00	above roof
3	Trickle (3 Nos)	1.00	above roof
4	Dipping tank (3 Nos)	1.00	above roof
5	CO ₂ welding fumes	1.00	above roof



	extractor (2 Nos)		
6	Argon welding fumes extractor (2 Nos)	1.00	above roof
7	Gelcoat booth (2 Nos)	1.00	above roof
8	Paint Booth (2 Nos)	1.00	above roof
9	DG Set (750 KVA) (2 Nos)	1.00	above roof

(iii) 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) **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

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

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

S.No.	Hazardous Waste Category	Qty	UOM	Disposal
1	21.1 Wastes and residues	1000.00	Kg/M	CHWTSDF Ranjangaon
2	23.1 Wastes/residues (not made with vegetable or animal mate)	3000.00	Kg/M	CHWTSDF Ranjangaon
3	33.3 Discarded containers / barrels / liners	1000.00	Nos/M	CHWTSDF Ranjangaon
4	5.1 Used /spent oil	20.00	Ltrs/M	Authorised reprocessor

(ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
 2. The industry should comply with the HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008.
- 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 HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008 and shown & submitted to the Board as & when asked for.

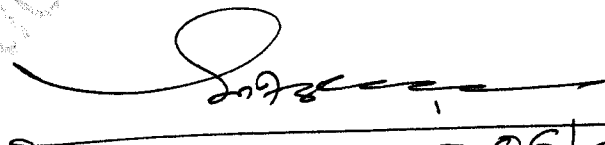


8. Industry shall comply with following additional conditions:

- 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 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 (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. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
10. This is issued with approval of Consent Committee meeting of the Board held dtd. 28/03/2013.
11. The applicant are hereby directed to submit the resolution from Company's Board that you have increase in capital investment without obtaining permission from the Board and violated the provisions of Environmental Laws and in future, you will not do such violation, within one month period to the Board. If industry authority fails to submit the above said resolution within one month period, consent will be treated as cancelled.
12. You shall submit Bank Guarantee of Rs. 2/- Lakh in favor of Regional Officer Pune within 15 days towards submission of the Board Resolution by 31/05/2013.
13. You shall submit Bank Guarantee of Rs. 5/- Lakh in favor of Regional Officer Pune within 15 days towards operation & maintenance of pollution control system. The Bank Guarantee shall be valid up to 29/02/2016.
14. The Capital investment of the industry is Rs. 49.43/- Crs.
15. This is issued as per the empowerment granted vide office note dated 09/04/2013 (FTS 130412FT0039)



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

To,
M/s. Cummins Generator Technologies India Ltd.,
G-6, MIDC Industrial Area, Ranjangaon.,
Dist. Pune 412 220

Copy to:

RO- MPCB, Pune /SRO-MPCB Pune-II- They are directed to obtain the BG of Rs. 2/- Lakhs , 5/- Lakhs & Board resolution from the industry and submit the report within 1 month period.

Received Consent fee of -

S.No.	Bank Name	DD. No.	DD. Dt.	Amount
1	HDFC Bank	129508	30/10/2012	285100.00
2	HDFC Bank	133158	25/04/2013	12500.00