

MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Rd. No.8,
Opp. Sion Circle, Sion (East),
Mumbai-400 022.

RED/LSI

Consent No. BO/JD(APC)/ EIC No.NK-9898-11/O/CC- **CAC-476** Date: **25/06/2012**.
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 (MH & TM) Rules respectively].

CONSENT is hereby granted to

M/s. Thyssenkrupp Engine Components India Pvt Ltd.,
Gut No. 392, A/P-gonde Village-Wadivarhe,
Tal Igatpuri, Dist Nashik.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(MH&TM) 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 – 30.09.2013.

2. The Consent is valid for the manufacture of -

Sr. No.	Product	Maximum Quantity
1	Crank Shafts	1,00,000 Nos./Year

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 3.0 m³
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 30.0 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:
- | | | | |
|----|------------------|---------------|------------|
| 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) | Chloride | Not to exceed | 600 mg/l. |
| 8) | Sulphate | Not to exceed | 1000mg/l. |
- (iv) **Trade Effluent Disposal:** The treated effluent shall be reused/recycle to the maximum extent and remaining shall be used on land for gardening /plantation within own premises only. There shall not be any discharge outside the premises. The industry shall become member of CETP as and when proposed.
- (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 27° 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:**

<u>Sr. No.</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1.	M.S. Drums-210 lit	25 Nos./Month		Sale to Scrap Dealer
2.	Water base grinding muck	18 Ton/Month		Sale to Scrap Dealer

(viii) **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 there under: The daily water consumption for the following categories is as under:

Domestic	33.0 CMD
Industrial processing generating Bio-Degradable waste water	4.0 CMD
Industrial processing generating Non-Bio-Degradable waste water	--- CMD
Industrial Boiler/Cooling etc.	7.0 CMD
Any other and 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:

- 1) Adequate air pollution control system shall be provided to the furnace & all sources of emission so as to achieve the following standards.
- 2) There shall not any secondary (fugitive) emissions.

B) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 100 mg/Nm³

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity.</u>
.....		

(iv) **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>
.....		

- (vi) 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.

- (vii) 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.

(vii) **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:

(i) The applicant shall handle hazardous waste as specified below:-

Sr. No.	Item No. of Process Generating H.W. as per schedule-I	Type of Waste	Quantity	Disposal
1.	5.1	Used/spent oil	20 kg/day	To authorised re-processors/recyclers
2.	34.3	Chemical sludge from waste water treatment	100 kg/Month	

(ii) The authorization is here by granted to operate a facility for collection, storage, transport & 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:

- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he 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.
- (iii) The applicant shall install a separate 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (iv) 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.
- (v) 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (vi) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- (vii) 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.


9. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.

10. This is issued pursuant to the decision of Consent Appraisal Committee meeting of the Board held on 29.05.2012.

11. The applicant shall submit the irrevocable bank guarantee of Rs.5.0/- Lakhs drawn in favour of RO MPCB Nashik within 15 days valid for one year towards Operation and maintenance of ETP & STP so as to achieve consented standards.

12. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
13. The capital investment of the proposed expansion project is Rs.155.52 Crores.

For and On Behalf of the
Maharashtra Pollution Control Board.



(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s. Thyssenkrupp Engine Components India Pvt Ltd.,
Gut No. 392, A/P-gonde Village-Wadivarhe,
Tal Igatpuri, Dist Nashik.

Copy to:

- 1) Regional Officer, MPCB, Nashik 2) Sub-Regional Officer, MPCB, Nashik.

They are directed to encash the existing bank guarantee of Rs.5.0/- lakhs and obtain the fresh bank guarantee Rs.5.0/- Lakhs towards Operation and maintenance of ETP & STP so as to achieve consented standards as per the consent condition no.11 and submit the performance report along with the results and compliance of directions issued by Board within one month period.

- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

<u>Amount</u>	<u>D.D.No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs. 1,55,520/-	452184	12.09.2011	State Bank of India.
Rs. 52,731/-	452183	12.09.2011	State Bank of India.
Rs.3,11,040/-	208000	14.06.2012	State Bank of India.

- 4] Cess Branch, MPCB.