

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd - 4th Fl.

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

RED/LSI

Date: 03/08/2013

Consent No: Format 1.0/ BO/JD (APC)/TB-4/EIC No. PN-18141-13/ 1st Operate /CAC- 6569

To,

M/s. Cummins Technologies India Ltd.,
Plot No. B-3/1, Phaltan SEZ Industrial Area,
Tq. Phaltan Dist Satara 415 523

Subject: 1st consent to operate.

Ref : 1. Minutes of CAC meeting held on 12/07/2013

Your application Dated: 16/05/2013

For: 1st 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 under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III, IV annexed to this order:

1. The 1st Consent to operate is granted for a period up to 28/02/2014.
2. The actual capital investment of the industry is Rs. 319.48 Crs. (As per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity
1	QSK IC Engine	3700 Nos/Year
2	Engine Spares	1600 MT/Month

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	15	As per Schedule -I	on land
2.	Domestic effluent	121	As per Schedule -I	on land

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Test Cell	3	As per Schedule -II
2.	Paint Booth	1	As per Schedule -II
3.	DG Set (1500 KVA)	1	As per Schedule -II
4.	DG Set (625 KVA)	1	As per Schedule -II
5	Paint Booth	2	As per Schedule -II

6. Conditions about Non Hazardous Wastes:


S.No.	Type	Qty	UOM	Disposal
1	Aluminium Solid	1.57	MT/M	Sale
2	Plastic Barrels 205 Liters Capacity	60.00	No/M	Sale
3	Empty Paints Tins	590.00	No/M	Sale
4	CI Solid	27.60	MT/M	Sale
5	CI Boring	110.20	MT/M	Sale
6	Copper Solid	2.30	MT/M	Sale
7	MS Solid	5.43	MT/M	Sale
8	MS Unserviceable	22.60	MT/M	Sale
9	MS Turning	30.30	MT/M	Sale
10	Paper Garbage	0.80	MT/M	Sale
11	Wooden Scrap (Imported)	10.9	MT/M	Sale
12	Cardboard	6.50	MT/M	Sale
13	Plastic Scrap	6.40	MT/M	Sale
14	Garbage	8.50	MT/M	Sale
15	Wooden Scrap (indigenous)	27.70	MT/M	Sale
16	Rubber Parts	0.80	MT/M	Sale
17	Tree Trimming	0.75	MT/M	Sale
18	Empty M.S. Barrel	135.00	No/M	Sale

7. Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	5.2 Wastes/residue containing oil	5.2	174.00	MT/Y	-	Sold to auth. reprocessor
2	5.2 Wastes/residue containing oil	5.2	48.00	MT/Y	-	CHWTSDF Ranjangaon
3	5.1 Used /spent oil	5.1	180.00	M3/Y	-	CHWTSDF Ranjangaon
4	21.1 Wastes and residues	21.1	9.60	MT/Y	-	CHWTSDF Ranjangaon
5	34.3 Chemical sludge from waste water treatment	34.3	38.40	MT/Y	-	CHWTSDF Ranjangaon
6	E -Waste	-	93	MT/Y	-	Auth. reprocessor
7	Batteries	B -4	35	Nos/M	-	Auth. Reprocessor/ recycler

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the
Maharashtra Pollution Control Board


(V.M. Motghare)
Member Secretary

Received Consent fee of -

S.No.	Bank Name	DD. No.	DD. Dt.	Amount
1	HDFC Bank	027009	20/04/2013	638960.00

Copy to:

1. Regional Officer -Pun and Sub-Regional Officer-Satara, MPCB,Pune-They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with design capacity of 30 CMD.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Limiting Concentration in mg/l, except for pH
	I. Compulsory Parameters	
01	pH	5.5 to 9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Total Dissolved Solids	2100
	II Additional Parameters	
05	COD	250
06	Suspended Solids	100
07	Chloride	600
08	Sulphate	1000
09	Phosphate	5.0

i) The treated sewage effluent shall be reused & excess shall be used on land for gardening - 30 CMD

2) A.] As per your consent application, you have provided the sewage treatment system with design capacity 130 CMD.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1) Suspended Solids. Not to exceed 100 mg/l.

(2) BOD 3 days 27°C. Not to exceed 100 mg/l.

C] The treated sewage effluent shall be reused & excess shall be used on land for gardening.

3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	01
2.	Domestic purpose	121
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	14
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act,1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to erect / erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity	UoM	S %	SO ₂ Kg/Day
1	DG Set (160 KVA)	N.A.	30	HSD	602	Lit/ Hr	1	290
2	DG Set (750 KVA)	N.A.	30					
3	Test Cell	N.A.	3.5					
4	Paint Booth (2)	Scrubber	18.0	-	-	-	-	-


2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	(C to O)	5 Lakhs	15 days	Operation & Maintenance of pollution control system	-	30/06/2014


22/7/13

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 6) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.