

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- Formate 1.0/ BO/CAC-Cell/ EIC No NM-5999-15/14th CAC/ 6592
Date- 18/05/2016

To,
M/s Lubrizol India Private Ltd,
9/3, Thane Belapur Road,
Turbhe, Navi Mumbai-400705.

Subject: Renewal of consent to operate with increase in CI under RED category.
Ref : 1. Earlier Consent granted vide no. BO/PAMS/O/EIC No. NM-1991-10/1CC/208 dated 08.11.2011.
2. Your application approved in CAC meeting held on 02.02.2016.

Your application: CR1511000199
Dated: 30.10.2015

For: Renewal of consent to operate with increase in CI 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 consent is granted for a period from 01.01.2016 to 31.01.2020.
2. The actual capital investment of the industry is Rs.255.31 Crs. (As per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity in MT/M
1	Chemical additives inclusive of Metal Working Oil Additives, Antioxidants, Corrosion Inhabitants, Detergent Additives, Dispersant of additives, Extreme Pressure ADDITIVES, Viscosity Index Improves, Pour Point depressants and flow Improvers	5000
2	Nitrogen	1500
3	By-Products	
4	Hydrochloric Acid (Upto 33% strength)	770
5	Sodium Hydrogen Sulphide Solution (Upto 35% Strength)	400

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	635	As per Schedule -I	20 CMD on land for gardening and remaining to CETP
2.	Domestic effluent	75	As per Schedule -I	

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.	Boiler 20T	1	As per Schedule -II
2.	Hb Phenate Hot Oil Furnace	1	As per Schedule -II
3.	Boiler 10 T & Boiler 12 T	1	As per Schedule -II
4.	M-1000 Hot boiler	1	As per Schedule -II
5.	DG set I & DG set II (A/B)	1	As per Schedule -II
6.	Z.D.D.P Plant Flare	1	As per Schedule -II
7.	H.B.Phenate H2S Flare	1	As per Schedule -II
8.	Hot Oil Boiler M-350 A & M -350 B	1	As per Schedule -II
9.	CFI Flare	1	As per Schedule -II

6. Non Hazardous solid Waste :

Sr. no.	Type of waste	Quantity	Disposal
1.	Garbage	750 MT/A	NMMC Sale to Scrap dealers
2.	Plastic/FRP Scrap	5 MT/A	
3.	Wooden scrap	250 MT/A	
4.	MS scrap	400 MT/A	
5.	Aluminum Scrap	5 MT/A	
6.	Cable cutting scrap	70 MT/A	
7.	Rubber item scrap	10 MT/A	
8.	Packing material	6 MT/A	
9.	SS Scrap	10 MT/A	
10.	Plastic pallet scrap	5 MT/A	
11.	Broken laboratory glassware & window panes	2 MT/A	
12.	Air suction filters of compressors/blowers	1 MT/A	
13.	Rubber gaskets, packing material, transmission belts, Teflon gaskets	2 MT/A	
14.	Used hot insulation (LRB, Glass wool)	25 MT/A	
15.	Thermocol packing material	20 MT/A	

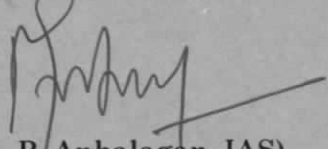
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used/Spent Oil	5.1	500	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
2	Discarded containers/ barrels/liners	33.3 & 33.1	22000	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
3	Chemical sludge from waste water treatment	34.3	400	MT/A	—	CHWTSDF
4	Filters and filters material which have organic liquid	35.1	3250	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
5	Oil soaked chemical waste/sludge from storage tank or drains/oil contaminated glass wool & aluminum claddings	5.2	150	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
6	Oil soaked filter pads	35.1	550	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
7	Spilled/Spoilt solid raw material	A-4140	50	MT/A	—	/ CHWTSDF /Sale to MPCB/CPCB authorized recycler
8	Boiler soot	34.1	6	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
9	Used lead acid batteries	B-1090	600	Nos/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
10	Used oil	5.1	1600	MT/A	—	/ CHWTSDF /Sale to

						MPCB/CPCB authorized recycler
11	Light Ends	20.1	100	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
12	Residue containing Solvents	20.1 & 20.3	250	MT/A	—	/ CHWTSDF /Sale to MPCB/CPCB authorized recycler
13	Used empty sample bottles/carbous/tins/bags	33.1 & 33.3	75	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
14	Solid waste from soaft water treatment plant at boiler	34.2	10	MT/A	—	CHWTSDF
15	Scrap Asbestos	B-21	70	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
16	Scrap Hg Vapour lamp/CFL Lamps/tube lights	A-5 & A-6	5	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
17	Scrap generated during painting activity	21.1	10000 10	Nos Cans/tins/A Or MT Paint Scrap/ A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler /Sent back to supplier.
18	Welding rods scrap	B-28	2	MT/A	—	CHWTSDF
19	Discarded Aerosol containers	33.3	5000	Nos/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
20	Activated charcoal and silica gel from Air handling units	A 4160	5	MT/A	—	CHWTSDF /Sale to MPCB/CPCB authorized recycler
21	E-waste	B-1110	15	MT/A	—	E-waste facility

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.
10. Industry shall submit Board Resolution from company Board by 30.06.2016, towards increase in investment without obtaining consent from MPC Board thus violated the provisions of Environmental Laws and in future, they will not do such violations and submit the BG of Rs. 2 lakh immediately towards compliance of the same.
11. Industry shall carry out detailed study by 31.08.2016 period by engaging reputed third party for control of VOC emissions from 300 tanks & submit BG of Rs.5 lakh towards compliance of same.
12. Industry shall install separate STP for treatment of domestic effluent & upgrade capacity of existing ETP as per trade effluent generation by 31.08.2016 and shall submit BG of Rs. 2 lakh each towards compliance of same.
13. Industry shall install in-house treatment by 31.08.2016 for garbage by providing Biogas plant/ composting plant and shall submit BG of Rs. 2 lakh for the compliance of the same.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2553143	173815	23.10.2015	Bank Of India
2	100	173810	23.10.2015	Bank Of India
3	125000	173891	20.11.2016	Bank Of India

The balance fees of Rs 343212/- shall be considered at the time of next renewal of consent.

Copy to:

1. Regional Officer -NaviMumbai and Sub-Regional Officer- NaviMumbai-1, MPCB: 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 ETP with the design capacity of 600 CMD. You shall upgrade the ETP as per the existing quantity by 31.08.2016
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (If any)
		Limiting Concentration in mg/l, except for pH
01	pH	5.5 - 9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Zinc	5
05	Suspended Solids	100
06	COD	250
07	Phenol	1
08	Total Ammonical Nitrogen	50

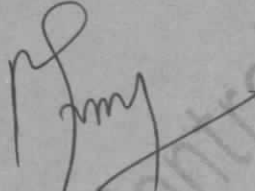
C) 20 CMD of treated effluent is used on land for gardening and remaining is discharged to CETP.

- 2) A] As per your consent application, the domestic effluent is treated in ETP. You shall provide separate STP by 31.08.2016.
- B] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks 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	600
2.	Domestic purpose	105
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	825
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0
5.	Gardening /Plantation	100

- 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 provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

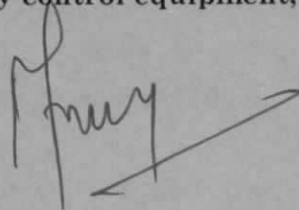
Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler 20T	Stack	30.5	PNG	20000 SCM/D	4.5	1800
				LSHS/FO /LDO	20 MT/D		
2	Boiler 10 T	Stack	30	PNG	12000 SCM/D	4.5	1080
3	Boiler 12 T				LSHS/FO /LDO		
4	M-1000 Dispersant Hot oil boiler	Stack	30	PNG	1000 SCM/D	1.8	108
				LDO	3 MT/D		
5	DG set I	Stack	2	HSD	1.92 MT/D	1	38.4
6	DG set II (A/B)	Stack	2	HSD	1.92 MT/D	1	38.4
7	Z.D.D.P Plant Flare	Stack	31.8	NA	NA	NA	NA
8	H.B.Phenate H2S Flare	Stack	33	NA	NA	NA	NA
9	Hot Oil Boiler M-350 A & M -350 B	Stack	30	PNG	4000 SCM/D	1.8	72
				LDO	2 MT/D		

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.
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
H2S	Not to exceed	10 ppm
CL ₂	Not to exceed	3 ppm
HCl	Not to exceed	35 ppm

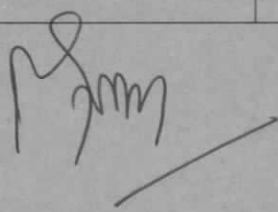
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.

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).

A handwritten signature in black ink, appearing to be 'M. M. M.', with a long horizontal line extending to the right from the bottom of the signature.

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submissi on Period	Purpose of BG	Complian ce Period	Validity Date
1	C to R	Rs 5 lakh	Within 15 days from the date of issue of consent	O & M of PCS	31.01.2020	30.05.2020
2	C to R	Rs 2 lakh	Immediate ly	Industry shall submit Board Resolution from company Board towards increase in investment without obtaining consent from MPC Board thus violated the provisions of Environmental Laws and in future, they will not do such violations	30.06.2016	30.10.2016
3	C to R	Rs 5 lakh	Within 15 days from the date of issue of consent	Industry shall carry out detailed study by engaging reputed third party for control of VOC emissions from 300 tanks	31.08.2016	31.12.2016
4	C to R	Rs 2 lakh	Within 15 days from the date of issue of consent	Industry shall install separate STP for treatment of domestic effluent & upgrade capacity of existing ETP as per trade effluent generation	31.08.2016	31.12.2016
5	C to R	Rs 2 lakh	Within 15 days from the date of issue of consent	Industry shall install in-house treatment for garbage by providing Biogas plant/ composting plant	31.08.2016	31.12.2016



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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 12) 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).
- 13) 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.
- 14) 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.

- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) 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.
- 17) 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) 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.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) 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
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 22) 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 of solid waste.
- 23) The applicant shall not change or alter the 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) 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.
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

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