

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

RED/LSI

Date: 08/09/2017

Consent No: Format 1.0/BO/AST/RO-KN/UAN No. 0000004764/E/CC-1709000329

To,
M/s. Melog Speciality Chemicals Pvt. Ltd.
Plot No. N-5, MIDC Addl. Ambarnath-E
Dist. Thane

Sub : Consent to Establish for Expansion in Red Category

- Ref.: 1. Consent to operate granted vide no. BO/AST/RO-KN/EIC No. KN-6866-15/R/CC-2658 dated 23/02/2016 which is valid upto 30/09/2020
2. Minutes of the Consent Committee Meeting dtd 12/7/2017
3. Hon'ble NGT, Pune's order dtd. 01/05/2017 in application No. 3/2017 (WZ).

Your Application: - MPCB-CONSENT-0000004764

Dated: 17/5/2016

For 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 under Rule 6 of the Hazardous & Other Wastes (M & T M) Rules 2016 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 up to: Commissioning of the Unit or 05 year whichever is earlier (i.e. Upto 31/05/2022)
2. The capital investment of the industry is 68.19 Cr (Existing-38.85 Cr, Proposed-29.34 Cr) as per undertaking submitted by the Industry.
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
A	Products		
1	P-P Biphenol (DOD)	480	MT/A
2	Phenix Acid	25	MT/A
3	MR-3 (2,4,6- tri(dihydroxy 3- methyl) phenyl) 1,3,5-triazine	100	MT/A
4	Di-phenyl sulphone	10	MT/A
5	CPPM (3-(2- chloropropionylamino)- propionic acid methyl ester)	40	MT/A
6	T-2003 (2,2 methylebis (4,6 ditertiary butyl phenol)	50	MT/A
7	4 chloro 2 Amino phenol	25	MT/A
8	2,6 Ditertiary butyl phenol/ phenolic isomer	47	MT/A
9	TT-510 (1,2,3,4,- tetra butane carboxylic acid tetra methyl ester	200	MT/A
10	A-1146L (1 octyl-2 pyrrolidone)	15	MT/A

B	By-Products		
1	Crude IB polymer (CIBP)	392	MT/A
2	High Polymer of butylated hydrocarbon (HPBH)	400	MT/A
3	Aluminium Sulphate solution	1025	MT/A
4	Zinc chloride solution	220	MT/A

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	53	As per Schedule I	100 % recycle /reuse in to process to achieve zero liquid discharge
2.	Domestic effluent	2.5	As per Schedule I	Treated in STP & To use on land for Gardening

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	1	As per Schedule - II
2.	Thermopack	Existing stack	As per Schedule - II
3.	DG Set (250 KVA)	1	As per Schedule - II
4.	Scrubber	1	As per Schedule - II

6. Conditions under Non Hazardous Solid Wastes for treatment and disposal of hazardous waste:

Sr. no.	Type of Waste	Quantity	UOM	Disposal
01	Paper waste	0.002	MT/M	By Sale
02	Boiler coal ash	30	MT/M	By Sale to Brick manufacturer's

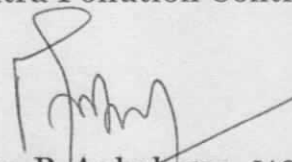
7. Conditions under Hazardous and other Waste (M & TM) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. no.	Type of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used Oil	5.1	0.2	MT/A	Sale to Authorized Recycler
2	Process Residue & Waste	20.4	80.7	MT/A	----	CHWTSDF
3	ETP Sludge	35.3	52	MT/A	----	CHWTSDF

4	Discarded Container/drum/liner contaminated with hazardous waste /chemicals	33.1	1.5	MT/A	----	Reuse for hazardous waste storage and sale to authorized recycler.
5	Spent Carbon	36.2	2.5	MT/M	----	CHWTSDF
6	MEE Solids	35.3	3	TPD	----	CHWTSDF

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. The 1st consent to operate shall be consider only after provision and commissioning of ZLD scheme for the effluent generated from existing activity (79 CMD) and proposed activity (53 CMD).
11. The applicant shall comply with the conditions of the Environmental Clearance granted by SEIAA, GoM vide letter No. SEAC-2015/CR-269/TC-2 dtd. 21/09/2016.
12. This consent is issued with pursuant to the decision of consent committee meeting held on 12/7/2017 and Hon'ble NGT, Pune's order dtd.01/05/2017 in application no 3/2017 (WZ).

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	100000/-	0177417	09/6/2016	State bank of India

Copy to:

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

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed Effluent Treatment Plant (ETP) of Capacity 150 CMD (MBR) consisting of Primary, Secondary & Tertiary level treatment followed by MEE and RO for achieving Zero Liquid Discharge (ZLD) for entire effluent (existing-79 CMD and propose-53 CMD).
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
- 2) A] As per your consent application, you have provided the sewage treatment system with the design capacity of 24 CMD for entire sewage (existing and propose).
- 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 shall be soaked in soak pit, which shall be got cleaned periodically, overflow if any, shall be used on land for gardening/plantation only
- 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 and or 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	197
2.	Domestic purpose	3.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	46
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil
5.	Others: i) Gardening	10

- 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.

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-

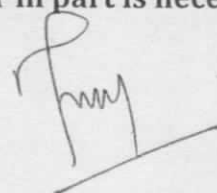
Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO ₂ Kg/Day
1	Boiler	Dust collector and bag filter	30	Coal	7.2 TPD	72
2	Thermopack	Dust collector	30	F.O	2.7 KLD	243
3	Process Reactor	Scrubber	10	---	--	--
4	DG Set (250 KVA)	Acoustic enclosure	6 *	HSD	130 Lit/hr	67.2

* Above the roof

2. 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 .
SO ₂ Process	Not to exceed	50 ppm
HCl	Not to exceed	35 ppm

3. 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.
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.	Bank Guarantee (C to E/O/R)	Amt. of BG imposed (existing)	Submission period	Purpose of BG	Compliance period	Validity period
1	C to E	10 Lakh	15 days	Towards Provision of ZLD for Entire Effluent generated from existing as well as expansion.	Upto commissioning of the unit	5 years

[Signature]
Maharashtra Pollution Control Board

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) 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.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW & other waste(M&TM) Rules 2016, 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.
- 7) The industry should comply with the Hazardous and other Waste (M, & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous and other Waste (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall obtain consent to operate before start of commercial production.**
- 10) 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).
- 11) 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.
- 12) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.

- 15) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 16) The industry should not cause any nuisance in surrounding area.
- 17) 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.
- 18) The applicant shall maintain good housekeeping.
- 19) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

