

# MAHARASHTRA POLLUTION CONTROL BOARD

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Consent No. BO/RO-Kalyan/AS(T)/EIC-KN-3868-10/O/ CC- 94



Kalpataru Point,  
2nd , 3rd & 4th floor,  
Opp. Cineplanet,  
Near Sion Circle, Sion (E),  
Mumbai - 400 022.

Date: 22 / 12 / 2011

**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 & TM) Rules respectively].**

CONSENT is hereby granted to

**M/s. Melog Speciality Chemicals (P) Ltd.,  
Plot No. N-5, Addl. MIDC Ambernath,  
Dist. Thane**

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 - 30/09/2015.**

2. **The Consent is valid for the manufacture of -**

Sr.	Products	Qty (MT/A)
1.	P-P Biphenol (DOD)	1500
2.	d-401 (Resign Condensate)	
3.	N-Ethyl Carbazol	
4.	Dicumene	
5.	Phenix Acid	
6.	CESBA, 4-(2-Chloroethyl Sulfonyl)-Butaric Acid	
7.	2,4 Dicumyl 1 phenol (2,4 Dcp)	
8.	Anthroniloyl Anthralic Acid	
By Products		
1.	2,6 Di-tertiary Phenol	Use in manufacturing of P-P biphenol
2.	4-tertiary butyl phenol	
3.	Crude I.B. Polymer (CIBP)	588
4.	High Polymer of butylated hydrocarbon(HPBH)	600
5.	Aluminium Sulphate Solution	1500
6.	Sodium Sulphate	40
7.	Dilute Acetone	26
8.	Anthracine	30
9.	Spent acidic solution	1700
10.	P-cumyl phenol	9

3. **CONDITIONS UNDER WATER ACT :**

- The daily quantity of trade effluent from the factory shall not exceed **132.22 m<sup>3</sup>**.
- The daily quantity of sewage effluent from the factory shall not exceed **24 m<sup>3</sup>**.



- (iii) **Trade Effluent Treatment:** The applicant shall operate 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 Deg. 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.	Chlorides	Not to exceed	600 mg/l
8.	Sulphates	Not to exceed	1000 mg/l
9.	Phenolic Compounds (C <sub>6</sub> H <sub>5</sub> OH)	Not to exceed	1 mg/l

- (iv) **Trade Effluent Disposal:** The treated trade effluent shall be recycled/reused in the process at maximum extent and remaining shall be discharged into MIDC sewer. In no case, trade effluent shall find its way to local Nalla.

- (v) **Sewage Effluent Treatment :** The applicant should operate comprehensive treatment system as is warranted with reference to influent quality 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 connected to the sewerage system provided by MIDC.

- (vii) **Non-Hazardous Solid Wastes : NIL**

- (viii) **Other conditions :** The industry shall monitor effluent quality regularly.

4. The applicant should comply with the provisions of the Water ( Prevention & Control of Pollution) Cess Act, 1977 ( to be referred as Cess Act ) and Rules thereunder:

The daily water consumption for the following categories is as under:

(i) Domestic	...	30	CMD
(ii) Industrial Processing	...	200	CMD
(iii) Industrial Cooling/Boiler	...	120	CMD
(iv) Agriculture/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 (PREVENTION & CONTROL OF POLLUTION) ACT, 1981:

- (i) The applicant shall operate a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and maintain the same continuously so as to achieve the level of pollutants to the following standards :

- C) Control Equipment :** Scrubber of adequate capacity shall be provided to limit the emissions.

**D) Standards for Emissions of Air Pollutants :**

(i)	SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
(ii)	SO <sub>2</sub>	Not to exceed	255 kg/day
(iii)	SO <sub>2</sub> (Process)	Not to exceed	50 ppm



**(C) Conditions for DG Sets: -**

1. Noise from DG Set should be controlled by providing an acoustic enclosure by treating the room acoustically.
2. 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) should 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.
3. The industry should take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 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.
4. Industry should make efforts to bring down noise level due to D.G. set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
5. Installation of D.G. set must be strictly in compliance with recommendations of D .G. set manufacturer.
6. A proper routine and preventive maintenance procedure for DG Set should be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
7. DG set should be operated only in case of power failure.
8. The Applicant should not cause any nuisance in the surrounding area due to operation of DG set.

(ii) The applicant should observe the following fuel pattern :-

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	F.O.	1.5 TPD
2.	Coal	12 TPD

(iii) 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>
1.	Boiler	30
2.	Thermopack	30
3.	DG set (625 KVA)	5*
4.	Scrubber	10
5.	Flare Stack	30

(\* above the height of building where the DG set is installed)

(iv) The applicant should provide ports in the chimney/(s) and facilitates such as ladder, platform etc. for monitoring the air emissions and the same should be opened for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2, etc. And these should be painted/displayed to facilitate identification.

(v) The industry should 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.

(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 monitoring regularly.

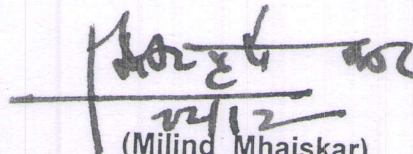


6. **CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:**

(i) The applicant should handle hazardous wastes as specified below:

Sl.	Item No. as per Schedule-I	Type of Waste	Quantity	Disposal
1.	34.3	ETP Sludge	20 kg/day	CHWTSDf
2.	35.3	Spent Carbon	100 kg/day	CHWTSDf
3.	5.2	Used Oil	2 lit/day	Sale to authorized party

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. The applicant do not require Environmental Clearance as changes in quantities of products are in same category and are within the previously granted overall limits and on the basis of "No Increase in Pollution Load" report certified by UICT, Mumbai dated 15.02.2011. This is as per clarification regarding EIA Clearance for change in product mix issued by MoEF vide dated 14/12/2006.
9. This is issued with the recommendation of Consent Committee meeting held on 11.10.2011 of the Board.
10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
9. The capital investment of the industry is Rs. 28.53 Crs.

  
(Milind Mhaikar)  
Member Secretary

To,  
M/s. Melog Speciality Chemicals (P) Ltd.,  
Plot No. N-5, Addl. MIDC Ambernath, Dist. Thane

Copy to:

Regional Officer, MPCB, -Kalyan /Sub Regional Officer, MPCB, Kalyan- II/ CAO

Received Consent fee of -

<u>Amount</u>	<u>D.D. No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs.1,50,000/-	016099	25.05.2010	Axis Bank
Rs. 2,25,000/-	81351	18.11.2011	Axis Bank