

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

Red/LSI

Date: 04/01/2013

Consent No .BO/JD PAMS/RO Kolhapur/EIC- KP-11305-12/Amnd./CAC- 734

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 Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary) Rules 2008.

[To be referred as Water Act, Air Act and HW (M, H&TM) Rules respectively].

CONSENT is hereby granted to –

**M/s. KANSAI NEROLAC PAINTS LIMITED**  
F-1/2, F-2, F-3, M.I.D.C. Lote, Taluka : Khed  
District. Ratnagiri – 415 722.

Located in the area declared under the provisions of the Water Act, Air act and Authorisation 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 31/ 03/2014.
2. The consent is valid for the manufacture of –

Sr No	Product	Capacity	Unit
1.	Water based Paints	12000	KL/Yr.
2.	Paints	22800	MT/Yr.
3.	Resin	18000	MT/Yr.
4.	Thinners	3300	KL/Yr.
5.	Thermosetting Powders	7800	MT/Yr.

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be 66 m<sup>3</sup> which shall be recycled and reuse 100% (not to be used for gardening) to achieve Zero discharge.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 39 m<sup>3</sup>.
- (iii) **Trade effluent:** The applicant shall provide a 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 treated effluent to the following standards:

1	pH	Between	6.0 – 8.5
2	Suspended Solids	Not to exceed	100 mg/l.

3	BOD 3 days 27 °C	Not to exceed	50 mg/l.
4	COD	Not to exceed	250 mg/l.
5	Oil & Grease	Not to exceed	10 mg/l
6	Phenolics as C6H5OH	Not to exceed	1.0 mg/l.
7	Bio-assay test	90% survival in 96 hours.	
8	Lead as Pb	Not to exceed	0.1 mg/l.
9	Chromium as Cr <sup>+6</sup> Hexavalent	Not to exceed	0.1 mg/l.
10	Total Chromium	Not to exceed	2.0 mg/l.
11	Copper as Cu	Not to exceed	2.0 mg/l.
12	Nickle as Ni	Not to exceed	2.0 mg/l.
13	Zinc as Zn	Not to exceed	5.0 mg/l.
14	Total heavy metals	Not to exceed	7.0 mg/l.

(iv) **Trade effluent Disposal:** The trade effluent shall be recycled completely and shall be used for cooling water make up / toilet flushing ensuring zero discharge. There shall not be any discharge of effluent on ground for gardening.

(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	200 mg/l
2.	BOD 3 days 27 deg. C	Not to exceed	100 mg/l

(vi) **Sewage Effluent disposal:** The treated sewage effluent shall be soaked into 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 :**

Sr. No.	Description	Qty. in MT/Month	Disposal
1	Wooden scrap	5.72	By sale to scrap dealer
2	Plastic bags	0.43	
3	Waste paper bags	2.83	
4	MS scrap	2.15	
5	Miscellaneous garbage	0.73	
6	Gunny bags	4.69	

(viii) **Other conditions :**

The industry shall monitor effluent continuously through MoEF approved laboratory.

3. 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:

(i)	Domestic	47	CMD
(ii)	Industrial Processing	75	CMD
(iii)	Industrial Cooling	40	CMD
(iv)	Agriculture/Gardening	52	CMD

The applicant shall regularly (quarterly) 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.

#### 4. 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 :
- (ii) Control Equipment :
  1. Dust Collector of sufficient capacity shall be provided to Pulveriser, grinding, packing and sealing section.
  2. Scrubber of sufficient capacity shall be provided to control ammonia emissions.

#### Conditions for D G set:

1. Noise from the D G set should be controlled by providing an acoustic enclosure or treating the room acoustically.
2. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure or 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 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.
3. The industry shall take adequate measures to control the noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned between 6.00 a.m. to 10 p.m. and night time is reckoned between 10 p.m to 6.00 a.m.
4. The industry should make efforts to bring down the noise levels due to D.G.Set, outside industrial premises within ambient noise requirements by proper siting and control measures.
5. Installation of the D.G. set must be strictly in compliance with recommendations of the D G set manufacturer.
6. A proper routine and preventive maintenance procedure for D G set should be set and followed in consultation with the D G set manufacturer which would help to prevent noise levels of the D G set from deteriorating with use.
7. D G set should be operated only during power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of the D G set.

#### Standards for Emissions of Air Pollutants:

(1)	SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup> .
(2)	SO <sub>2</sub>	Not to exceed	135.65 Kg/Day.
(3)	SO <sub>2</sub> (Process)	Not to exceed	50 ppm

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

<u>Sr. No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	4265 lit/day.
2.	LDO	1440 lit/day.

(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.	Vacuum Absorption	30
2.	Chiller	15
3.	Thermopac (6 nos.)	30 m each
4.	Boilers (4 nos.)	30 m each
5.	320 KVA D G sets 3 nos	3.6 m each*
6.	500 KVA D G sets 1 nos	4.5 m each *
7.	250 KVA D G sets 4 nos	3.2 m each *
8.	Process stacks 5 nos	15 m each
9.	Scrubber 1 no	20 m

\* above the roof of the building in which it is installed.

(iv) The applicant shall provide ports in the chimney(s) and facilitates 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.

(v) The industry shall take adequate measures for control for 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. Daytime is reckoned in between 6 a.m. and 10 p.m. And nighttime is reckoned between 10 p.m. and 6 p.m.

**Other Conditions :**

1. The Industry shall not cause any nuisance in the surrounding area.
2. The industry should monitor stack emissions and ambient air quality regularly from MoEF approved laboratory

**6. CONDITIONS UNDER HW (M&H0 RULES, 1989 & AMENDMENT RULES, 2003**

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

<b>Sr. No</b>	<b>HW as per Schedule-I</b>	<b>HW as per Schedule-II</b>	<b>Type of waste</b>	<b>Quantity (MT/M)</b>	<b>Disposal</b>
1	34.3	-	ETP Sludge	1.65	CHWTSDF
2	34.4	-	Waste oil from ETP trap	0.15	CHWTSDF
3	5.1	-	Used/Spent oil	0.10	Registered reprocessor
4	36.4	-	Solvent Recovery Residue	0.50	CHWTSDF
5	21.1	-	Waste and residues	0.50	CHWTSDF
6.	31.2	-	Filter residue	0.02	CHWTSDF
7.	33.3	-	Cotton waste/contaminated liner	0.73	CHWTSDF

7. Whenever due to any accident or release of gases 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 and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emissions and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organizations as require under the law.

**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 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> 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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant shall not change or alter 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.
  - (iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30<sup>th</sup> September every year.
  - (v) 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.
  - (vi) 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.
  - (vii) 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.
  - (viii) 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.
  - (ix) 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 consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
10. This consent is issued by overriding earlier consent no. BO/JD PAMS/RO Kolhapur/EIC-KP-7198-11/O/CC-209 Dt. 14.11.2011.

11. This Amendment is issued as per the MoEF's clarification regarding Change in product mix dated 14.12.2006
12. Applicant shall submit Bank Guarantee of Rs. 5 Lakh towards compliance of consent conditions to RO Kolhapur within Fifteen days period.
13. This consent is issued as per the decision taken in 8<sup>th</sup> Consent Appraisal Committee meeting held on 24<sup>th</sup> December, 2012.
14. The capital investment of the industry is Rs. 108.59 Crores.

  
 (Rajeev Kumar Mittal, IAS)  
 Member Secretary

To,  
 M/s. KANSAI NEROLAC PAINTS LIMITED  
 F-1/2, F-2, F-3, M.I.D.C. Lote, Taluka : Khed  
 District. Ratnagiri - 415 722  
 Maharashtra.

Copy to:

- 1) Regional Officer, MPCB, Kolhapur / Sub-Regional Officer, MPCB, Chiplun-They are directed to insure the compliance of consent conditions.
- 2) Chief Accounts Officer, MPCB, Mumbai
- 3) Cess Branch, MPCB.
- 4) Master file.

Received Consent fee of -

<u>Amount</u>	<u>D.D.No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs. 2,73,100/-	006687	09/02/2011	Union Bank of India
Rs. 1,50,000/-	507266	15/10/2011	Union Bank of India
Rs. 1,00,000/-	033094	24/09/2012	Union Bank of India