

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd - 4th Floor
 Opp. Cine Planet Cinema,
 Near Sion Circle, Sion (E)
 Mumbai-400 022.

RED/SSI

Consent No. BO/JD-PAMS/EIC No KN-4681-11/R/CC- **126**

Date: **16/08/2011.**

**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) Rules 2008.
 [To be referred as Water Act, Air Act and HW (M, H&TM) Rules respectively].**

CONSENT is hereby granted to
M/s. Narmada Chemicals,
Plot No. A-17/2, MIDC Badlapur,
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 & TM) Rules 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 - 31.12.2015.**

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

| Sr No | Name of Product | Maximum quantity |
|-------|-------------------------|------------------|
| 1. | 2 Ethyle Hexanoate Acid | 3.0 MT/M. |
| 2. | Meta Nitro Benzaldehyde | 2.0 MT/M. |

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 4.0 M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 1.0 M³.

(iii) **Trade Effluent:**

Treatment: The applicant shall provide 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 3days 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) | Total Dissolved Solids | Not to exceed | 2100 mg/l. |
| 7) | Sulphates | Not to exceed | 1000 mg/l. |
| 8) | Chlorides | Not to exceed | 600 mg/l. |

(iv) **Trade Effluent Disposal:** The treated effluent shall be recycled to maximum extent & remaining shall be sent to CETP for further treatment and disposal. There shall not be any discharge outside the factory premises.

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

(Signature)

(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 used on land for gardening / plantation only.

(v) **Non-Hazardous Solid Wastes:** ---- N.A. -----

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

4. 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:

| Sr No | Consumption | Quantity |
|-------|---------------------------|----------|
| 1 | Domestic | 2.0 CMD |
| 2 | Industrial Processing | 5.0 CMD |
| 3 | Industrial Cooling | -- CMD |
| 4 | Agriculture/Gardening Etc | -- GMD |

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 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:

A) Control Equipment:

- i) Air Pollution Control Equipments of sufficient capacity shall be provided to limit the emissions.

B) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 150 mg/Nm³
(ii) SO₂ Not to exceed 5.4 Kg/Day.

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

| <u>Sr.No.</u> | <u>Type of Fuel</u> | <u>Quantity</u> |
|---------------|---------------------|-----------------|
| 01 | LDO | 125 Litrs/M |

- (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> |
|---------------|----------------------------|------------------------|
| 01. | Burner | 9 Mtrs. |

- (IV) 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.

- (V) 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.

- (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 regularly.

6. **CONDITIONS UNDER HW (M, H &TM) RULES, 2008**

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

| Sr. No. | Item No. as per Schedule-I | Type of Waste | Quantity | Disposal |
|---------|----------------------------|--|----------|----------|
| 1 | 34.3 | Chemical Sludge from Waste water treatment | 10 Kg/M. | CHWTSDF |

(ii) Treatment:

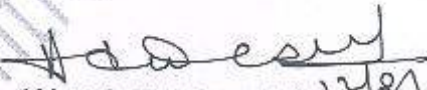
(iii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

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 30th September every year on available open plot area, no. of trees surviving as on 31st 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 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th 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.
09. If CETP dose not work for achieving standards & problem of pollution occurs, industry shall voluntarily stop the production or total effluent shall be reused.
10. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
11. This consent is issued as per the Office Order No. F-17/2008, dated 18-02-2008/07-03-2008 & as per power delegation to HOD's for grant of Red category consent between Capital Investment of Rs. 5 to 10 Crore.
12. The capital investment of the industry is Rs. 14.49 Lacs


(Ajay A. Deshpande) 12/8/11
Joint Director, PAMS

To,
M/s. Narmada Chemicals,
Plot No. A-17/2, MIDC Badlapur,
Dist. Thane

Copy to: 1) Regional Officer, MPCB, Kalyan & 2) Sub-Regional Officer, MPCB, Kalyan-II- They are to ensure the compliance of consent conditions.
3) Chief Accounts Officer, MPCB, Mumbai 4] Cess Branch, MPCB. 5] Master file.

4) Master File

Received Consent fee of -

| <u>Amount</u> | <u>D.D.No.</u> | <u>Date</u> | <u>Drawn on</u> |
|---------------|----------------|-------------|--------------------------|
| Rs. 7500/- | 020933 | 15/12/2010 | Dombivali Nag. Sah. Bank |