

MAHARASHTRA POLLUTION CONTROL BOARD

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Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

Red/L.S.I

Date: 05/02/2013

Consent No: BO/JD-PAMS/RO-KN/EIC No KN-11662-12/O/CAC/cc-890

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 & Transboundry Movement) Rules 2008

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

.....
CONSENT is hereby granted to

M/s. USV Ltd.
Plot No. B-8/1, B-9, MIDC Lote,
Dist. Ratnagiri.

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: 31/12/2017.
2. The Consent is valid for installation and operation of Boiler (Coal OR briquettes) of 6 TPH capacity.
3. CONDITIONS UNDER WATER ACT:
 - (i) The daily quantity of trade effluent from the factory shall not exceed 40 m³.
 - (ii) The daily quantity of sewage effluent from the factory shall not exceed 8.0 m³.

(iii) **Trade Effluent :**

Treatment: The applicant shall provide comprehensive treatment system consisting of primary treatment in this plant at Plot No. B-8/1, B-9, MIDC Lote and then effluent shall be further treated in full-fledge Effluent Treatment System provided at their existing plant at Plot No. B-1/8, MIDC Lote 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: The effluent shall be carried through pipelines through corridor from one plot to another plot as per permission obtained from MIDC vide no. 1113/2009 dtd. 16.09.2009.

1)	pH	Between	6.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3 days 27°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.
9)	% Sodium	Not to exceed	60%

(iv) **Trade Effluent Disposal:** The treated trade and sewage effluent shall be recycled to the maximum extent & excess if any shall be send through pipeline through corridor to full-fledge Effluent Treatment System provided at their existing plant at Plot No. B-1/8, MIDC Lote. In no case, trade effluent shall find its way to local nalla.

(v) **Sewage Effluent Treatment: --NA--**

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 27o C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal: --NA--**

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

Sr. No.	Description	Qty. in MT/Month	Disposal
1.	M. S. Drums, HDPE Drums, Glass Bottles, Fibre Drums, Plastic carboys, paper cartoons, plastic waste	1.0 MT/M.	Sale to MPCB authorized party.
2.	Boiler Ash	44.2 MT/M.	Sale to cement /Brick manufacturers

(viii) **Other Conditions:** Industry should 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 amendment Rules, 2003 there under

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

(i)	Domestic purpose	...	8.00	CMD
(ii)	Water gets Polluted & Pollutants are Biodegradable	...	----	CMD
(iii)	Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	----	CMD
(iv)	Industrial Cooling, spraying in mine pits or boiler feed	...	150.00	CMD
(v)	Agriculture/Gardening	...	30.00	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 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:

Control Equipment:

Bag Filter & Dust collector of sufficient capacity shall be provided to Boiler to limit the 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 ³ . |
| (2) | SO ₂ | Not to exceed | 123.6 Kg/Day. |

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

Sr. No.	Type Of Fuel	Quantity
1	Coal	9.0 MT/Day.
2	Briquettes	14 MT/Day.
3	HSD	160 Kg/hr.

- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1.	Boiler	31.0
2.	D. G. Set (1000 KVA & 350 KVA)	6.5 * & 4.0 *

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

- (iii) 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.

- (iv) 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.
- 3) Output of utilities including boiler may be shared for existing plant at B-1/8 & part B-1/8, MIDC Lote, Dist. Ratnagiri.

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

- (i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Category & Type Of Waste	Quantity	Disposal
1.	5.1 Used / Spent Oil	0.30 MT/M.	Sale to MPCB registered waste oil Recycler
2.	34.1 Flue Gas cleaning residue.	--- MT/M.	CHWTSDF

- (ii) Treatment: - NIL


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 per 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.
9. This consent to operate is applicable only for installation & Operation of Boiler activity, industry shall not start any manufacturing activity on this plot before obtaining Consent to Operate from Board.
10. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
11. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
12. Industry shall use good quality Agro Base Briquette to achieve emission standards.
13. This consent is issued pursuant to the decision of the Consent Committee meeting held on 18.01.2013 and with approval of Hon'ble Chairman of the Board.

14. The Capital investment for installation of Boiler is Rs. 10 Crore. Total CI of the unit is Rs. 80 Crore.


(Rajiv Kumar Mital, IAS)
Member Secretary

To,
M/s. USV Ltd.
Plot No. B-8/1, B-9, MIDC Lote,
Dist. Ratnagiri.

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

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	50,000/-	076111	16/10/2012	SBI
2	75,000/-	077566	09/01/2013	SBI