

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022.

RED/LSI

Consent No. BO/ RO-Kolhapur/AS(T)/EIC-KP-5117-10/CC/Amendment/E/ CC- 362 Date: 29/03/2012

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 Authorisation / Renewal of Authorisation 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) Rules respectively].

CONSENT is hereby granted to

M/s. USV Limited,
Plot No. B-8/1, B-9, MIDC Lote,
Tal. Khed, 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 Establish is granted for a period upto Commissioning of the project or five years which ever is earlier.
2. The Consent is valid for the manufacture of -

Sr. No.	Products	Maximum Qty.
1	Glipizide Sulphonamide	0.5 MT/M
2	Glibenclamide Sulphonamide	0.5 MT/M
3	Glimipiride Sulphonamide	0.3 MT/M
4	Pioglitazone HCl	0.5 MT/M
5	Nimodipine	0.1 MT/M
6	Nitrendipine	0.1 MT/M
7	Clopidogrel Bisulphate	5 MT/M
8	Ropinorole HCl	0.1 MT/M
9	Sevloner HCl, Colesemer and Sevelemer Carbonate	20 MT/M
10	Other Organic Intermediates Chemicals or bulk drugs	5 MT/M
11	Biotech products- Filgrastin, Peg-Filgrastin, Somatropin and other biotech products	100 kg/yr
By- Products		
1	Clopidogrel Bisulphate-Potassium Carbonate salt	18.4 MT/M
2	Clopidogrel Bisulphate-sodium sulphate	21.20 MT/M
3	Ropinorole HCl Intermediate-Hydrazine Hydrate salt	260 kg/M

3. **CONDITIONS UNDER WATER ACT :**

- (i) The daily quantity of trade effluent from the factory shall not exceed **210 M³**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **25 M³**.

(iii) **Trade and Sewage 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-fledged 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
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 and Sewage Effluent Disposal :** The treated trade and sewage effluent shall be discharge into CETP through the sewerage system provided by MIDC only after additional capacity/upgradation of Lote CETP becomes functional. Or, industry shall provide full-fledge ETP so as to achieve ZERO Discharge. In no case, trade effluent shall find its way to local Nalla.

(ix) **Non-Hazardous Solid Waste:**

Type of waste	Quantity	Treatment & Disposal
M. S. Drums, HDPE Drums, Glass Bottles, Fibre Drums, Plastic Carboys, Paper cartons, Plastic waste	2.0 MT/M.	Sale

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

(i) Domestic	...	30	CMD
(ii) Industrial Processing	...	120	CMD
(iii) Industrial Cooling/Boiler	...	150	CMD
(iv) Agriculture/Gardening	...	30	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 :

A) Control Equipment : Scrubber of adequate capacity shall be provided to limit the HCl emissions.

B) Standards for Emissions of Air Pollutants :

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	SO ₂	Not to exceed	674 Kg/day
(iii)	HCl	Not to exceed	35 mg/Nm ³
(iv)	Chlorine	Not to exceed	3 ppm

C) Conditions for D.G. Set :

- Noise from D.G.Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 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) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 metres from acoustic enclosure/room and then average.

3. The industry shall 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 D.G. set should be set and followed in consultation with the D.G. manufacturer which would help to prevent noise levels of D.G. set from deteriorating with use.
7. D.G. set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. set.

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1]	F.O.	3.5 MT/day.
2]	Coal	9 MT/day.
3]	Briquette	14 MT/day
3]	H.S.D.	160 kg/hr.

(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 (no.1)	37.5
2]	Boiler (no.2)(Stand By)	31
3]	DG Set (350 KVA)	4*
4]	DG Set (1000 KVA)	6.5*
5]	Scrubbers (for HCl Fumes)(2 Nos.)	8 Each

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

- (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.
 - 3) **Output of utilities including boiler may be shared for both existing plant at B-1/8 and new plant at B-8/1 & 9, MIDC Lote, Dist. Raigad manufacturing facilities.**

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

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

<u>Sl.</u>	<u>Item No. of process generating HW as per Schedule-I</u>	<u>Type of Waste</u>	<u>Quantity (MT/M)</u>	<u>Disposal</u>
1.	5.1	Used / Spent Oil	0.3	Sale to CPCB registered waste oil recycler
2	28.1	Residue and waste water	11.801	CHWTSDF For recovery and reuse
3	28.2	Spent Carbon /	0.579	
4	28.2	spent catalyst	0.417	
5	28.5	Spent Solvent	622	Sale to MPCB authorized solvent recycler / reuser

6	33.3	Discarded Container / Barrels / Liners use for Hazardous Waste Chemicals	5	Sale to MPCB authorized Party
7	34.1	Flue Gas Cleaning residue, fly ash	44.2	CHWTSDF/ Brick Manufacturers/cement plants
8	34.2	Toxic Metal Containing residue from used Iron exchange materials in water purification	0.04	CHWTSDF
9	34.4	Chemical Sludge / Oil & Grease skimming residue from CETP & Industry specific ETP	2.5	
10	35.1	Filter and filter material	0.383	

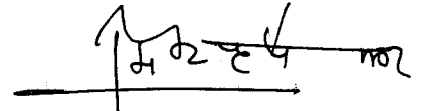
- (ii) Treatment : --
- (iii) The authorisation is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

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. General Conditions :

- (i) 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.
- (ii) 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, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- (iii) Solid Waste – 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 to dumping ground.
- (iv) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant 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 regarding pollution levels.
- (v) 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.
- (vi) 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.
- (vii) The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.
- (viii) 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.
- (ix) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (x) 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.

- (xi) 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 down stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- (xii) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (xiii) 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.
9. Industry shall comply the conditions stipulated in Environmental Clearance granted by GoM vide no. SEAC2010/CR.407/TC-2 dtd. 15.10.2011 and amendment in EC vide no. EC-2008/1436/CR.2/TC1 dtd. 24.01.2012.
10. Consent to Operate shall be issued only after the additional capacity of CETP becomes functional or the project proponent sets up own full-fledged ETP so as to achieve ZERO Discharge.
11. This is issued with the recommendation of Consent Committee meeting held on 02.04.2012 of the Board and with approval of the Hon'ble Chairman of the Board.
12. This consent is having overriding effect over the earlier consent granted by the Board vide No. BO/RO-KP/Rtng/E/CC-518 dtd. 31.07.2003.
13. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
14. The capital investment of the plant is Rs.80 Cr.


(Milind Mhaikar)
Member Secretary

To,
M/s. USV Limited,
Plot No. B-8/1 & 9, MIDC Lote, Tal. Khed, Dist. Ratnagiri.

Copy to:
RO-Kolhapur / SRO-Chiplun/CAO/ Cess Branch/ Master File

Received Consent fee of -

Amount	D.D. No.	Date	Drawn on
Rs.75,100/-	25840	12.08.2010	Axis Bank
Rs. 50,000/-	41343	07.03.2012	Axis Bank