

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400 022

Red/L.S.I

Consent No: BO/BO/JD (PAMS)/EIC No- AD-9071-11/R/CAC- 670 Date: 05/11/2012

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) Rules respectively].

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CONSENT is hereby granted to

Orchid Chemicals and Pharmaceuticals Ltd.
L-9, L-8 (part), MIDC Gut No. 38,
CIDCO Vill: Vitawa, Waluj,
Aurangabad, Maharashtra, India

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: 31-12-2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity in MTA
	Alendronate Sodium Trihydrate	0.5
2.	Almotriptan Malate	0.01
3.	Alosetron HCl	0.002
4.	Aripiprazole	0.2
5.	Armodanafil	0.6
6.	Atorvastatin Calcium	0.35
7.	Aztreonam	1
8.	Biopenam	0.5
9.	Cetirizine HCL	0.32
10.	Cilastatin Sodium Sterile	4
11.	Clopidogrel Hydrogen Sulphate	1.5
12.	CRAMs products	16
13.	Dabigatran etexilate	0.1
14.	Dalfampridine	0.1
15.	Darifenacin hydrobromide	0.015
16.	Desloratadine	0.05
17.	Dexlansoprazole	1.5
18.	Dipyridamole	0.1
19.	Diveproex Sodium	25

20.	Doripenem	0.5
21.	Dronedarone	0.1
22.	Duloxetine Hydrochloride	3.71
23.	Eletriptan HBr	0.025
24.	Eprosartan	1
25.	Esomeprazole Magnesium	0.041
26.	Eszopiclone	0.03
27.	Etrapeenam	0.5
28.	Ezetimibe	0.004
29.	Felodipine	0.21
30.	Feropenam Sodium	0.2
31.	Fesoterodine fumarate	0.008
32.	Formatfinance (DPOC-4088)	0.045
33.	Frovatriptan Succinate	0.002
34.	Gabapentin encarbil	0.2
35.	Gemiflexacin Mesylate	0.1
36.	Granisetron HCl	0.05
37.	Ibandronate Sodium	0.44
38.	Iloperidone	0.016
39.	Imipenem monohydrate sterile	4
40.	Lansoprazole	0.71
41.	Levetiracetam	12
42.	Levofloxacin Hemipentahydrate	4
43.	Linagliptin	0.1
44.	Losarton Potassium	0.5
45.	Lurasidone	0.1
46.	Memantine HCl	1.04
47.	Meropenem Sterile	22
48.	Modafinil	1.076
49.	Montelukast sodium	0.012
50.	Naratripton Hcl	0.1
51.	Nebivolol	0.1
52.	Nisoldipine	0.24
53.	Olanzapine	0.26
54.	Olmesartan Medoximil	0.05
55.	Paliperidone	0.04
56.	Palonosetron HCl	0.001
57.	Pamidronic Acid	0.1
58.	Panipenam	0.1
59.	Pantoprazole	0.71
60.	Phenytoin Sodium	0.2
61.	Piperacillin Acid	35
62.	Pitavistatin calcium	0.005
63.	Pramipexole	0.01
64.	Prasugrel HCl	0.008
65.	Quetapine Hemifumarate	2.5
66.	Raloxifine HCl	0.015
67.	Rasagiline Mesylate	0.01
68.	Rebeprazole Sodium	0.6

69.	Risedronate Sodium	0.21
70.	Rivastigmine Tartarate	0.02
71.	Roflumilast	0.1
72.	Ropinrole	0.07
73.	Rosuvastatin	0.1
74.	Rufinamide	0.1
75.	Silodosin	0.01
76.	Sitagliptin	0.1
77.	Sumatriptan succinate	1
78.	Tadalafil	1
79.	Tazobactam	4.38
80.	Tebipenam	0.5
81.	Telmisartan	0.2
82.	Terbinafine HCl	8
83.	Tolterodine Tartarate	0.14
84.	Trans- Resveratrol	0.1
85.	Venlafaxine HCl	5
86.	Vilazodone	0.1
87.	Zaleplon	0.06
88.	Zolmitriptan Tartarate	0.1
89.	Zolpidem Tartarate	0.1

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 480 M³.
(ii) The daily quantity of sewage effluent from the factory shall not exceed 40M³.

(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:

Sr No.	Parameters	Standards
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	6.0-8.5
02	Oil & Grease	10
03	BOD (3 days 27 oC)	100
04	Total Dissolved Solids	2100
05	Bioassy Test	90% survival of fish after first 96 hrs in 100% effluent
	II Additional Parameters	
06	Mercury	0.01
07	Arsenic	0.20
08	Chromium (Hexavalent)	0.10
09	Lead	0.10
10	Cyanide	0.10

11	Phenolics (C6H5OH)	1.0
12	Sulphide (as S)	2.0
13	Phosphate(as P)	5.0
14	Suspended Solids	100
15	COD	250
16	Chloride	600
17	Sulphate	1000

- (iv) **Trade Effluent Disposal:** The treated effluent should be recycled/ reused to maximum extent and remaining should be disposed on land for gardening within own premises only. There should not be any discharge of effluent outside 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 27o 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 used on land for gardening / plantation only.
- (vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	Canteen Waste	600.00	Kg/M	Composting
2	Office Waste	2000.00	Kg/M	By Sale
3	Packing Waste	1000.00	Kg/M	By Sale

(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 ... 40.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable ... 350.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ... 50.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed ... 270.00 CMD
(v) 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:

Industry shall provide dust collector/Scrubbers of sufficient capacity to control the emissions.

Conditions for D.G. Set

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. 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 meters from acoustic enclosure/room and then average.
- c. 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.
- d. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

Standards for Emissions of VOC Pollutants:-

Sr. No.	Petrochemical process / compounds	Maximum emission limit (mg/Nm ³) dry basis.
1	MA, PA, Phenol	20
2	Ethyl benzene (EB), Styrene, Toulene, Xylene, Aromatics, EG, PG	100
3	Non-methane HC (paraffin), Acetone, olefins	150

Standards for Emission of Air Pollutants:-

SPM/TPM	Not to exceed	150 mg/Nm ³ .
SO ₂	Not to exceed	2070 kg/day
HCL	Not to exceed	35 mg/Nm ³
Cl ₂	Not to exceed	3 ppm
Bromine	Not to exceed	3 ppm
NH ₃	Not to exceed	50 ppm

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Furnace Oil	15.00	MTD
2	Diesel	20.00	MTD

(iii) The applicant shall erect the chimney(s) of the following Specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler 1	38.00
2	General Ventilation Scrubber (P1)	10.00
3	Bromine Scrubber (P2)	10.00
4	Rm Dispensing (API)	10.70
5	6APA Scrubber (P2)	10.00
6	DG 2(L-9)	17.00
7	Boiler 2	38.00
8	DG 1 (L-8)	10.00
9	HCL Scrubber (Intermediate)	10.00
10	HCl Scrubber (NPNC Commercial)	10.70
11	General Ventilation Scrubber (NPNC Commercial)	10.00
12	RM Store (L-8) Dispensing Room	9.00
13	Dispensing Scrubber (L-9 Store)	13.00
14	P.D. Lab	7.00
15	Bromine Scrubber (P1)	10.00
16	HVAC (API)	6.70
17	6 APA Scrubber SR-131 & GR 125 Room Exhaust (P1)	6.00
18	DG 2(L-8)	11.50
19	DG 3(L-8)	12.00
20	DG 4(L-8)	12.00
21	General Ventilation Scrubber(Intermediate)	9.60
22	General Ventilation Scrubber(NPNC)	9.80
23	RM Store (L9) Dispensing Room	9.00
24	Dispensing Scrubber (NPNC)	6.00
25	General Ventilation Scrubber(API)	10.00
26	HCL Scrubber (P1)	10.00
27	Dispensing Scrubber(Intermediate)	9.80
28	AHU Bleeding Ventilation Scrubber (P1)	6.00
29	DG 1(L-9)	17.00
30	DG 3(L-9)	12.00
31	NPNC-2	7.00
32	HCL Scrubber (NPNC)	8.50
33	RM Scrubber (P1)	6.00
34	Dispensing Scrubber (NPNC Commercial)	10.00
35	Dispensing Scrubber(L-8)	6.50

- (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 HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

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

Sr. N	Type Of Waste	Quantity	UOM	Disposal
1	28.5 Spent organic solvents	362.00	MT/A	Sent to Authorized party
2	20.3 Distillation residues	15.00	MT /A	By CHWTSDF
3	28.1 Residues and wastes	25.00	MT /A	By CHWTSDF
4	28.2 Spent catalyst / spent carbon	200.00	MT /A	Spent catalyst supplier for recovery & spent carbon to CHWTSDF
5	28.4 Spent mother liquor	150.00	MT /A	Sent to Authorized party
6	33.3 Discarded containers / barrels / liners	20.00	MT /A	Sent to Authorized party
7	34.1 Flue gas cleaning residue	3.00	MT /A	By CHWTSDF
8	34.3 Chemical sludge from waste water treatment	1455.00	MT /A	By CHWTSDF
9	34.4 Chemical sludge, oil and greas skimming residues	2.00	MT /A	By CHWTSDF
10	36.4 Distillation residues from contaminated organic solvent	125.00	MT /A	By CHWTSDF
11	5.1 Used /spent oil	4.00	MT /A	Sent To Authorized party
12	5.2 Wastes/residue containing oil	4.00	MT /A	Sent to Authorized party
13	20.2 Spent solvents	10.00	MT /A	Recovered In SRP/Sent to Authorized party

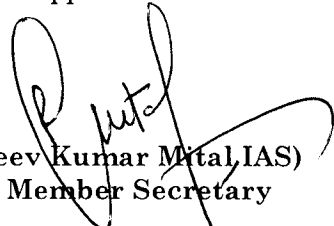
- a. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be

submitted to this office & concerned Regional Office/ Sub Regional Office.

7. Whenever due to any accident or gas leakage 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 Collector, Directorate of Industry, Safety and Health, Police Station, Fire Brigade, Directorate of Health Services, Department of Explosives, Board and Local Body and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emission 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 organization as require under the law.
- 8. Industry shall comply with following additional conditions:**
- i. The applicant shall maintain good housekeeping 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/ tree plantation.
 - 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 he 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 & conditions of this consent regarding pollution levels.
 - v. 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.
 - vi. 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.
 - vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
 - ix. As 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 electric 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 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.
09. This consent is issued as per the certificate from Institute of Chemical Technology Matunga Mumbai dtd-10-09-2011 for change in product mix and the pollution load assessment thereof.
10. Industry shall comply industry specific standards under Environment Protection Act.
11. The is issued as per the decision taken in the meeting of the Consent Appraisal Committee held on 07/12/2011.
12. The Hazardous Waste Quantity is amended as it is mentioned in the Environmental Clearance obtained by industry vide No No J-11011/88/2002-IA II (I), dated 17/7/2003
13. This amended consent is issued with an overriding effect to the earlier Consent granted by Board vide No BO/JD(PAMS)/EIC No AD-9071-11/R/CAC-76, dtd 17.12.2011, valid upto 31.12.2013.
14. The Capital investment of the industry is Rs. 441. 66 Crs

This amended consent is issued with the approval of Hon'ble Chairman of the Board.


(Rajeev Kumar Mittal IAS)
Member Secretary

To,
Orchid Chemicals and Pharmaceuticals Ltd.
L-9, L-8 (part), MIDC Gut No. 38,
Aurangabad, Maharashtra
India.

Copy for information to:-
Regional Officer MPCB Aurangabad
Sub-Regional Officer MPCB Aurangabad-I
Chief Account Officer MPCB Mumbai.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	59976	548338	07 Sep 2011	IDBI
2	1706664	548339	07 Sep 2011	IDBI
3	100100	001577	04 Oct 2011	ICICI Bank
4	20000	001584	04 Oct 2011	ICICI Bank