

# MAHARASHTRA POLLUTION CONTROL BOARD

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

Consent order No. :- Formate1.0/ BO/CAC-Cell/ UAN No 0000000842/4th CAC - 0289  
Date: 04/03/2017

To,  
M/s. Lupin Ltd,  
T-142, Survey No. 30/10 to 30/13, 64/7,  
MIDC Tarapur,  
Dist.: Palghar.

Subject: Renewal of consent to operate with increase in CI under Red category.  
Ref. : 1. Earlier Consent granted vide no. Formate1.0/BO/CAC-Cell/EIC-TN-5596-  
15/R/1st CAC-978 dtd 24.04.2015.  
2. Your application approved in CAC meeting held on 10.10.2016 .

Your application: UAN No 0000000842 dated: 05.03.2016 for: Renewal of consent to operate with increase in CI 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 under Rule 6 of the Hazardous & Other Wastes (M & T ) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II,III& IV annexed to this order:

1. The consent is granted for a period from 1.05.2016 to 30.04.2018.
2. The actual capital investment of the industry is Rs. 750.4 Crs. (As per C. A. Certificate by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity in MT/A
<b>Group I</b>		
1	Rifa S, Rifa O & Rifampcin	360.00
2	Rifaximin	50.00
3	Lovastatin	9.89
4	Simvastatin	60.50
5	Sertraline	56.00
6	Losartan potassium	62.40
7	Valsartan	46.22
8	Duloxetine	10.00
9	Irbesartan	18.47
10	Quetiapine Fumarate	36.35
11	Pyrazinamide	270.74
12	Levetiracetam	350.00
13	R& D batches	10.00
14	Lamivudine	1.36
15	Colesevalam	21.60
16	Abacavir	1.28
17	Amlodipine Besilate	11.38

18	Sumatriptan Succinate	0.05	
19	Escitalopram Oxalate	4.72	
20	Tolterodine Tartarate	0.07	
<b>Group II</b>			
21	Celecoxib	21.80	54.63
22	Ethambutol	4.02	
23	Fenofibrate / Choline Fenofibrate	28.81	
<b>Group III</b>			
24	Rifabutin	0.35	8.93
25	Zolpidem tartarate	0.25	
26	Imipramine HCl/Imipramine Pamoate	1.69	
27	Lansoprazole	2.00	
28	Rabeprazole	0.55	
29	Carvedilol/Carvedilol phosphate	0.63	
30	Telmisartan	1.07	
31	Risperidone	0.33	
32	Azythromycin	2.05	
33	Gatifloxacin	0.01	
<b>Group IV</b>			
34	Ziprasidone	2.81	4.82
35	Desloratadine	0.71	
36	Memantine	0.33	
37	Eszopiclone	0.05	
38	Feno+SLS/Ethanamide	0.40	
39	Tenofovir	0.50	
40	Emitricitabine	0.01	
41	Ezetimibe	0.01	
	<b>Total</b>	<b>1449.41 *</b>	

\*Quantity of the products may vary individually keeping total group quantity same.

	By product name	Maximum Quantity in MT/A
1	Trans sertraline	182.5
2	Piperazine Diacetate	91.25
3	2-Amino 4 Methyl Pyridine	12.62
4	Tri-Butyl Tin Chloride	63.5
5	Hydroxy Ethoxy Ethyl Piperrazine	7.37
6	Di Methyl Butanoic Acid	57.97
7	R-R Mandelate salt	99.97
8	Sodium Sulphate	142.5
	<b>Total</b>	<b>657.68</b>

Above by-products are recovered from the aqueous waste streams generated from the manufacturing processes and shall be used back in the manufacturing processes of the products.



4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	1050 CMD	As per Schedule -I	400 CMD of treated effluent shall be recycled in process/utilities and effort shall be made to utilize upto a maximum of 150 CMD of the treated effluent instead of fresh water for gardening except during demand period/ Monsoon so as to reduce the net dischargeable effluent into TEPS CETP from 745 CMD upto 595 CMD except during on demand.
2.	Domestic effluent	95 CMD	As per Schedule -I	

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

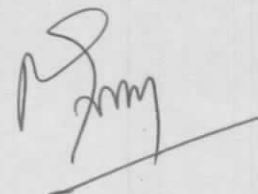
Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler (5 Nos.)	3 Nos.	As per Schedule -II
2.	Process vents	27Nos.	As per Schedule -II
3.	DG Sets	9 Nos.	As per Schedule -II
4.	Power generators	2 Nos.	As per Schedule -II

6. Conditions under Non Hazardous Waste and disposal of Non Hazardous Waste:

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Mycelia Waste	18.1	MT/day	Composting	Sale to Authorized party
2	Bio-Sludge (ETP)	5.82	MT/day	Composting	Sale to Authorized party
3	Ash from Agro-Waste Boiler	9.50	MT/day	-	Used as manure OR Sale to brick manufacturers

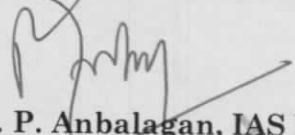
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Distillation Residue	20.3/36.4	2.4	MT/day	–	CHWTSDF or to Authorised party
2	Spent carbon	28.2/35.3	0.510	MT/day	–	CHWTSDF or to Authorised party
3	Used oil	5.1	0.03	MT/day	–	Sale to registered recycler or to CHWTSDF
4	Waste/residue containing oil	5.2	0.02	MT/day	–	Sale to registered recycler or to CHWTSDF
5	Process waste	28.1	3.70	MT/day	–	CHWTSDF
6	Spent catalyst	28.2	0.37	MT/day	–	Manufacturer for recycling or to CHWTSDF or to registered recycler
7	Date expired discarded and off specification products	28.3/28.4	As and when generated		–	Onsite recycling and reuse, to manufacturer for recycling or to CHWTSDF
8	Spent solvent / Spent ML	20.2/28.5	370.42	MT/day	–	Onsite recovery reuse onsite or sale off site, Off site recovery or sale to authorized Recyclers, to CHWTSDF
9	Discarded containers/ Barrels/Bags/Liners	33.3	As and when generated		–	Sale or return to supplier after decontamination
10	Chemical containing residue from decontamination and disposal	33.1	As and when generated		–	CHWTSDF
11	Dried solids for dryer (dry basis)	28.1/34.3	11.50	MT/day	–	CHWTSDF



8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Industry shall install separate energy meter for MEE within 1 month period.

For and on behalf of the  
Maharashtra Pollution Control Board

  
( Dr. P. Anbalagan, IAS )  
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1500911.000	419696	08.02.2016	SBI
2	75000.000	419695	08.02.2016	SBI
3	15000911.00	CITIN1774 6240578	20.02.2017	Citi Bank

Copy to:

3. Regional Officer, Thane and Sub-Regional Officer, Tarapur-I - They are directed to ensure the compliance of the consent conditions.
4. Chief Accounts Officer, MPCB, Mumbai.
5. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 1200 CMD.  
B] The applicant shall operate the effluent treatment Plant (ETP) to treat the trade effluent so as to achieve the following standards/prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No	Parameters	Standards prescribed by Board (If any)
		Limiting Concentration in mg/l, except for pH
1	pH	5.5 to 9.0
2	Suspended Solids	100
3	BOD(3 days 27 <sup>o</sup> c)	100
4	COD	250
5	Oil & Grease	10
6	TAN	50
7	Sulphides	2
8	Phenolic Compound	1
9	Phosphates	5

- C] The treated effluent shall be disposed as follows:  
(i) 400 CMD shall be recycled in process/utilities.  
(ii) Effort shall be made to utilize upto a maximum of 150 CMD of the treated effluent instead of fresh water for gardening during demand period so as to reduce the net dischargeable effluent into TEPS CETP from 745 CMD up to 595 CMD except during on demand.
- 2 A]As per your consent application you have provided the septic tank for sewage treatment with the design capacity of 120CMD. The domestic effluent (95 CMD) after septic tank, shall be mixed with trade effluent for further treatment in the ETP.
- 3 In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.
- 4 The industry shall provide water meter at ETP with lock and key arrangement.
- 5 The industry shall maintain register for recording recycle of the treated effluent.
- 6 The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

- 7 The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 8 The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. No.	Purpose for Water Consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	1100
2.	Domestic purpose	120
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	900
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0
5.	Gardening	150

**Schedule-II**

**Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO <sub>2</sub> Kg/Day
1	Boiler(12TPH)	Stack	57(combined stack)	Furnace oil	937 MT/Month	4.5	2810
	Boiler(10TPH)	Stack					
2	Boiler(10TPH)	Stack	45	Furnace oil			
3	Boilers(8TPHx 2 Nos)	Cyclone separator/ bag filter, stack	30 (combined stack)	Agro Waste	1903 MT/Month	---	---
4	Boiler(New to be established- 8TPH) 1 Nos in place of FO fired boiler mentioned in Sr. No. 2	Cyclone separator/ bag filter, stack	30	Agro Waste	1150 MT/Month	---	---
5	Process stacks- 27 nos.	Scrubbers	5 each	---	---	---	---
6	Power Generator Set 2Nos.(2.5 MW each)	Stack	48 each	Furnace oil	414 MT/Month	4.5	1242
7	D.G. Sets- 2 Nos. (2.5 MW each)	Stack	30 each	HSD	157 MT/Month	1	124
8	D.G. Sets- 4 Nos. (1.2 MW each)	Stack	6.9 each				
9	D.G. Sets- 3 Nos. (1.6 MW each)	Stack	8.0 each				

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

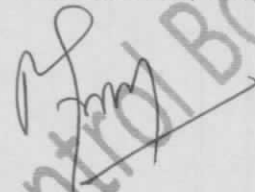
Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
HCL	Not to exceed	35 ppm
Cl <sub>2</sub>	Not to exceed	3 ppm
SO <sub>2</sub> (Process)	Not to exceed	50 ppm

4. The industry shall continuously operate and maintain air pollution control equipments to control the emission of VOCs. Following VOCs shall be monitored on monthly basis.



Sr. No.	Solvents/Compounds used in process
1	Toluene, Cyclohexane, MIBK, MEK, Acetone
2	Ethyl Acetate, Methanol
3	Chloroform, MDC, Acetonytryl

5. The industry shall continuously operate and maintain air pollution control equipments to control the emission of VOCs and shall be monitored on monthly basis.
6. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement /alteration well before its life come to an end or erection of new pollution control equipment.
7. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation including the change of any control equipment, other in whole or in part is necessary.

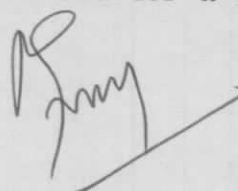
  
Maharashtra Pollution Control Board

### Schedule-III

#### Details of Bank Guarantees

Sr . No.	Consent (C to E/O/R)	Amt. of BG Imposed	Submission period	Purpose of BG	Compliance Period	Validity Date
1	C to R	*Rs. 5 Lakh	Submitted	Towards operation and maintenance of pollution control systems	30.04.2018	31.08.2018
2	C to R	*Rs 25 lakh	Submitted	Towards recycling of effluent	30.04.2018	31.08.2018
3	C to R	100 % of the cost of the online monitoring systems (emissions and effluent which ever applicable )	Submitted	The applicant shall operate online effluent quality monitoring systems at the outlet of effluent treatment plant for measurement of consented parameters & to connect and upload the online effluent monitoring data at MPCB and CPCB server in time bound manner .	30.04.2018	31.08.2018

**\*The existing BGs of Rs 5 lakh and Rs 25 lakhs towards O & M of PCS and recycling of effluent respectively shall be extended for a period upto 31.08.2018**

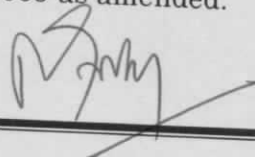


#### Schedule-IV

##### General Conditions:

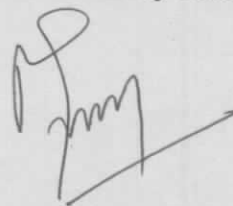
- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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.
- 7) 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.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous & Other Waste (M & T) Rules, 2016, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous & Other Waste (M & T) Rules, 2016 and submit the Annual Returns as per Rule 6(5) of Hazardous & Other Waste (M & T) Rules, 2016 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) 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 downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.

- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) 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.
- 17) 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) 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.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) 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
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end.
- 22) 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 of solid waste.
- 23) 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) 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.
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd.16.11.2009 as amended.



- 27) The industry shall comply with the conditions of the Environmental Clearance granted by SEIAA, GoM vide letter No. EC(Lupin)-2009/153/CR.167/TC.1 dtd. 16/11/10 & amendments vide letter dtd. 4/01/11.
- 28) Industry shall develop green belt on land bearing survey nos. 30/3, 30/6, 30/7, 30/8/1, 162/2, 30/4, 30/9, 30/14 & 164/1 and use it for the welfare activities of the staff only. Industry shall not carry out any industrial activity on these survey nos. without prior permission of the Board.

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Maharashtra Pollution Control Board