# MAHARASHTRA POLLUTION CONTROL BOARD

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Date: 11/07/2023

RED/L.S.I (R22) No:- Format1.0/CAC/UAN No.0000161125/CO/2307000559

To,

M/s. Yellowstone Fine Chemicals Private Limited Plot No. G-60, MIDC Lote Parshuram Industrial Area Tal- Khed, Dist- Ratnagiri



Sub: Grant of part 1st Consent to Operate under Red/LSI

Ref:

- 1. Consent to Establish granted vide No. Format 1.0/CAC/UAN No. 0000092177/CE-2102001239 dated 22/2/2021
- Environmental Clearance was accorded on the name of M/s. Laxmi Organic Industries Ltd. vide No. SIA/MH/IND2/50229/2019 dated 31/3/2020
- 3. Correction in Environmental Clearance (General Condition No. 1 removal) issued vide letter No. SEIAA-2020/CR-45/SEIAA dated 30/6/2020
- 4. Transfer of Environmental Clearance on the name of M/s. Yellowstone Fine Chemicals Pvt. Ltd. granted vide No. SIA/MH/IND2/184658/2020 dated 09/12/2021
- 5. Minutes of Consent Appraisal Committee meeting dated 07/7/2023

Your application No.MPCB-CONSENT-0000161125 Dated 01.02.2023

For: grant of 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 under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) 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 to operate is granted for a period up to 30/06/2026
- 2. The capital investment of the project is Rs.453.1 Crs. (As per C.A Certificate submitted by industry )
- 3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	ИОМ
Prod	ucts		
1	4-chlorobenzo tri chloride/4-chlorobenzo tri fluoride (PCBTC/PCBTF)	400	MT/M
2	4-Chloro-3,5-dinitrobenzotrifluoride (CDN)	50	MT/M
3	2,4-dichloro-3,5-dinitrobenzotrifluoride (DCDN)	120	MT/M

Sr No	Product	Maximum Quantity	иом
4	3,4-Dichlorobenzotrifluoride (3,4 DCBTF)	100	MT/M
5	1,3-Bis(trifluoromethyl)benzene (HFMX)	50	MT/M
6	2,Trifluoromethyl)benzamide (BENZAMIDE)	50	MT/M
7	4,4-difluorobenzophenon (DFBP)	10	MT/M
8	4-chloro-3-nitrobenzotrifluoride (MONONITRO)	50	MT/M
9	2,2-Difluoro-1,3-benzodioxole (DFBD)	40	MT/M
10	Methyl 3-(trifluoromethyl)benzoate (3TFM-MB)	10	MT/M
11	2-Chloro-6-fluorobenzyl chloride (2 CHLORO 6 FLUORO)	10	MT/M
12	Potassium nonafluorobutane sulphonate (RM65)	12	MT/M
13	3-Fluorobenzotrifluoride (3FBTF)	10	MT/M
14	Perfluorotripropylamine (Tripropylamine)	2	MT/M
15	Potassium decakis(fluoranyl)- pentakis(fluoranyl)ethyl]cyclohexane-1-sulfonate (RM98)	1	MT/M
16	Dilute Hydrochloric Acid	4019	MT/M
17	Dilute Sulphuric acid	381	MT/M
18	Dilute Hydrofluoric acid	83	MT/M
19	Sodium hypochlorite solution	249	MT/M
20	Calcium Chloride Solution	243	MT/M

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	904	As per Schedule-I	Partly recycle 595 CMD & partly CETP 309 CMD
2.	Domestic effluent	20	As per Schedule-I	On land for gardening

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S1	Boiler	1	As per Schedule -II
2	S2	DG Set (1010 KVA)	1	As per Schedule -II
3	S3	Chlorine Tonner Storage Scrubber	1	As per Schedule -II
4	S4	AHF Tonner Storage Scrubber	1	As per Schedule -II
5	S5	AHF Bulk Storage Scrubber	1	As per Schedule -II
6	S6	ECF Furnace	1	As per Schedule -II
7	S7	BTF Furnace	1	As per Schedule -II
8	S8	Plant B-200 Scrubber	1	As per Schedule -II

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
9	S9	B-100E Scrubber	1	As per Schedule -II
10	S10	Plant B-300 Scrubber	1	As per Schedule -II
11	S11	ETP-1 Scrubber	1	As per Schedule -II
12	S12	Pilot Plant B-600 Scrubber	1	As per Schedule -II
13	S13	Plant B-100 Scrubber	1	As per Schedule -II

#### 6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Packing Material / Plastic / Rubber waste	500	Kg/M	Sale	Sale to authorized party
2	Paper waste	500	Kg/M	Sale	Sale to authorized party
3	Bio sludge from STP/Kitchen waste/Garbage	500	Kg/M	Composting	Used as mannure
4	Fly Ash	3	MT/Day	Sale	Sale to Brick Manufacturer
5	Bottom Ash	1	MT/Day	Sale	Sale to Brick Manufacturer
6	Metal Scrap	15	MT/M	Sale	Sale to authorized party
7	Wooden waste	5	MT/M	Sale	Sale to authorized party
8	Empty Bottles	100	No/M	Sale	Sale to authorized party
9	Plastic drums / containers	200	No/M	Sale	Sale to authorized party

# 7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	20.3 Distillation residues	2.0	MT/Day	Incineration	CHWTSDF
2	37.3 Concentration or evaporation residues	2.0	MT/Day	Landfill	CHWTSDF
3	35.3 Chemical sludge from waste water treatment	4.0	MT/Day	Landfill	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke 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. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SSIA/MH/IND2/50229/2019 dated 31/3/2020
- 11. Industry shall dispose the treated effluent to the CETP through GPRS mounted tankers and submit the disposal data to Boards office on monthly basis
- 12. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
- 13. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 07/7/2023
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

#### Received Consent fee of -

5	r.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
	1	2718600.00	MPCB-DR-17118	03/02/2023	NEFT
	2	479860.00	MPCB-DR-17117	03/02/2023	NEFT

## Copy to:

- 1. Regional Officer, MPCB, Kolhapur and Sub-Regional Officer, MPCB, Chiplun
- They are directed to ensure the compliance of the consent conditions.
- 2. Chief Accounts Officer, MPCB, Sion, Mumbai

#### **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

- 1. A] As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:
  - i) Strong COD/TDS stream of 50 CMD Treatment system comprising of Primary (Neutralization tank, Equalization tank, Filter Press, Primary after stmt), Multi effect evaporator (3 stage) followed by ATFD. The MEE condensate is treated in weak stream ETP.
  - **ii) Weak COD/TDS stream of 854 CMD -** Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter, Reverse Osmosis, LTE) with design capacity of 904 CMD.
  - B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	рН	6.0 -8.5
(2)	BOD (3 days 27°C)	30
(3)	COD	महाराष्ट्र 250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	TDS	2100
(7)	Chloride	600
(8)	Sulphate	1000

- C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
- D] The treated effluent shall be partly recycled (595 CMD) in the process for various purposes and remaining (309 CMD) shall be discharged to CETP after confirming above standards. In no case, effluent shall find its way for gardening / outside factory premises.
- A] As per your application, you have provided Sewage Treatment Plant of designed capacity 20 CMD for the treatment of 20 CMD of sewage.
  - B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)		
1	Suspended Solids	Not to exceed	50 mg/l	
2	BOD 3 days 27°C	Not to exceed	30 mg/l	
3	COD	Not to exceed	100 mg/l	

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.
- 3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & 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 an extension or addition thereto.
- 4. 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.
- 5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters 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	1007.00
2.	Domestic purpose	22.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	666.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	113

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

## **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 erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S1	Boiler	Fabric Bag Filter Cyclone	40.00	Coal 2400	0.5	ТРМ	150 Mg/Nm³
		-,		Kg/Hr		SO2	576 Kg/Day
S2	DG Set	Acoustic Enclosure	30.00	HSD 200	1	ТРМ	150 Mg/Nm³
	Chile			Kg/Hr		SO2	96 Kg/Day
S3	Chlorine Tonner Storage Scrubber	Scrubber	10.00	-	-	Chlorine	35 Mg/Nm³
54	AHF Tonner Storage Scrubber	Scrubber	10.00	-	-	Acid Mist	35 Mg/Nm³
S5	AHF Bulk Storage Scrubber	Scrubber	12.00	-	-	Acid Mist	35 Mg/Nm³
	505			Natural		NOx	50 Mg/Nm <sup>3</sup>
S6	ECF Furnace	Scrubber	20.00	Gas 150	-	NH3	50 Mg/Nm <sup>3</sup>
			3-23	Kg/Hr		HCL	35 Mg/Nm <sup>3</sup>
	BTF	<b>T</b>	ackslash T ackslash	Natural		NOx	50 Mg/Nm <sup>3</sup>
S7	Furnace	Scrubber	22.00	Gas 475	-	NH3	50 Mg/Nm <sup>3</sup>
				Kg/Hr		HCL	35 Mg/Nm <sup>3</sup>
S8	Plant B-200	Scrubber	16.00	_	_	SOx	50 Mg/Nm <sup>3</sup>
	Scrubber	Scrabber	10.00			HCL	35 Mg/Nm <sup>3</sup>
S9	B-100E	Scrubber	12.00			SOx	50 Mg/Nm <sup>3</sup>
39	Scrubber	Scrubber	12.00	-	-	HCL	35 Mg/Nm <sup>3</sup>
S10	Plant B-300	Scrubber	12.00			SOx	50 Mg/Nm <sup>3</sup>
310	Scrubber	Scrubber	12.00	-	-	HCL	35 Mg/Nm <sup>3</sup>
C11	ETP-1	Scrubber	12.00			SOx	50 Mg/Nm <sup>3</sup>
S11	Scrubber	Scrubber	12.00	-	-	HCL	35 Mg/Nm <sup>3</sup>
C12	Pilot Plant	Scrubber	12.00			SOx	50 Mg/Nm <sup>3</sup>
212	S12 B-600 Scrubber	Scrubber	12.00	-	_	HCL	35 Mg/Nm <sup>3</sup>
S13	Plant B-100	Scrubber	12.00			SOx	50 Mg/Nm <sup>3</sup>
313	Scrubber	Scrubbei	12.00	-	_	HCL	35 Mg/Nm <sup>3</sup>

- 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 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.
- 4. 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).

## **SCHEDULE-III**

#### **Details of Bank Guarantees:**

Sr. No	1 11 /6/	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	25 Lakh	15 Days	Towards O&M of Pollution Control System and Compliance of Consent Conditions	30/6/2026	31/12/2026

#### **BG Forfeiture History**

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	BG	
NA							

#### **BG Return details**

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned			
NA							

#### **SCHEDULE-IV**

#### **General Conditions:**

- 1. The Energy source for lighting purpose shall preferably be LED based
- The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
- 3. 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 sitting 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 MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 4. The applicant shall maintain good housekeeping.
- 5. 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.
- 6. 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.
- 7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
- 8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
- 11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

- 12. 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.
- 13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
- 14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
- 15. 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.
- 16. 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.
- 17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) 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.
- 18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
- 20. 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.
- 21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 22. The industry should not cause any nuisance in surrounding area.
- 23. 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.
- 24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

- 25. 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.
- 26. 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 an extension or addition thereto
- 27. 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.
- 28. 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.
- 29. 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.
- 30. The firm shall submit to this office, the 30th day of September every year, the Environment 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.
- 31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
- 32. 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).
- 33. 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.
- 34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or 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.
- 35. You 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).
- 36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.

- 37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016, Bio Medical Waste Management Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year
- 38. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016, Bio Medical Waste Management Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

This certificate is digitally & electronically signed.

