

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/M.S.I (R22)
No:- Format1.0/AS(T)/UAN
No.0000134843/CR/2208000462

Date: 10/08/2022

To,
M/s. Shakti Lifescience Pvt Ltd.
(formerly known as M/s Shakti Industries.)
Plot No. K-2, M.I.D.C., Tarapur
Dist. Palghar



Your Service is Our Duty

Sub: Grant of Renewal of consent to operate with change in Name under Red/LSI category

Ref: 1. Consent to Operate granted by Board vide No.: Format 1.0/BO/AST/UAN No.: 0000051539/O/CC-1807001282 dtd: 31/07/2018 valid upto 31/07/2022.
2. Environmental Clearance granted vide No.: SEIAA-EC-0000000359 dtd: 15/06/2018

Your application No.MPCB-CONSENT-0000134843 Dated 23.03.2022

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 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:

- The consent to renewal is granted for a period up to 31/07/2026**
- The capital investment of the project is Rs.15.3129 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 5.75 Crs + Increase in C.I. - Rs. 9.56 Crs = Total CI is Rs. 15.31 Crs.)**
- Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	Oleic Acid	50	0	50	MT/M
2	Coconut Fatty Acid	30	0	30	MT/M
3	Soya Been fatty acid	10	0	10	MT/M
4	Dimer Fatty acid	10	0	10	MT/M
5	Kardai Di-Methyl Amine	50	0	50	MT/M
6	Methyl Testosterone, Dydrogesterone	0.05	0	0.05	MT/M
7	Testosterone its derviatives	0.45	0	0.45	MT/M
8	Nandrolone its derviatives	0.15	0	0.15	MT/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
9	Tibolone	0.005	0	0.005	MT/M
10	Norethisterone , Progesterone	0.05	0	0.05	MT/M
11	Estradiol its derviatives	0.025	0	0.025	MT/M
12	Levonorgestrel, Nandrolone Decanoate	0.005	0	0.005	MT/M
13	Ethylene Estradiol	0.005	0	0.005	MT/M
14	Dinosterol , Dutasteride	0.01	0	0.01	MT/M
15	Fluticasone Propionate, Fluticasone Fuorate, Fluticasone Base, Flurocortisone Acetate	0.015	0	0.015	MT/M
16	Budesonide, Beclomethasone Dipropionate	0.01	0	0.01	MT/M
17	Mometasone furoate, Flunisolide	0.025	0	0.025	MT/M
18	Finasteride , Triamcinolone	0.025	0	0.025	MT/M
19	Prednisolone sodium phosphate	0.1	0	0.1	MT/M
20	Prednisolone acetate	0.025	0	0.025	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	5	As per Schedule-I	Partly recycle 0.5 CMD & partly CETP 4.5 CMD
2.	Domestic effluent	4	As per Schedule-I	Soaked in soak pit

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	S-1	Thermopack	1	As per Schedule -II
2	S-2	Boiler	1	As per Schedule -II
3	S-3	Process Vent	1	As per Schedule -II
4	4	D.G. Set (250 KVA)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	--NA--	0	--NA--	--NA--	--NA--

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	28.3 Spent carbon	60	Kg/M	Incineration	CHWTSDF
2	28.6 Spent organic solvents	5	Kg/M	Recycle*	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
3	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	20	No/M	Recycle*	Sale to authorised party / CHWTSDf
4	35.3 Chemical sludge from waste water treatment	60	Kg/M	Landfill after treatment	CHWTSDf
5	37.3 Concentration or evaporation residues	100	Kg/M	Landfill	CHWTSDf

*** Industry shall ensure disposal of Hazardous Waste to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.**

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 industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
11. This Consent is issued without prejudice to the order passed as may be passed by the Hon'ble NGT, in the matter O.A. No. 1038/2018.
12. The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it applicable.
13. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SEIAA-EC-0000000359 dtd: 15/06/2018.
14. Industry shall comply with direction issued to CETP on 22.01.2021, regarding installation of two-way SCADA, Auto-sampler, Non-Return Valve (NRV) with positive discharge to CETP chamber.
15. Industry shall comply to the Boards Circular dtd. 05.02.2020 for use of clean fuel.
16. Industry shall upgrade the Air Pollution Control systems by providing Bag Filters/Wet Scrubbers within 3 months period.
17. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	TXN2204000518	06/04/2022	Online Payment

The balance fees of Rs. 25000 from above submitted fees will remain with Board and will be considered during next renewal of consent.

Copy to:

1. Regional Officer, MPCB, Thane and Sub-Regional Officer, MPCB, Tarapur I
- 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 0.5 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary Settling Tank, Primary after stmt) followed by Multi effect evaporator (2 stage). The MEE condensate is treated in weak stream ETP.
- ii) Weak COD/TDS stream of 4.5 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter) .

- 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)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	100
(3)	COD	250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	Bio - Assay Test**	90% Survival of Fish after first 96 hours in 100% effluent
(7)	Phosphates as P	5
(8)	Sulphides as S	2
(9)	Phenolic Compounds	1
(10)	Copper	3
(11)	Hexavalent Chromium (Cr 6+)	0.1
(12)	Cyanide (as HCN)	0.1
(13)	Mercury	0.01
(14)	Lead	0.1

- C] The partly treated effluent strong stream effluent 0.5 CMD shall be recycled/reused completely in utilities & partly treated effluent weak stream effluent 3.5 CMD shall be disposed to TEPS CETP for further treatment and disposal after confirming above standards. In no case, effluent shall find its way outside factory premises.
- D] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
2. A] As per your application, you have provided Septic Tank followed by Soak pit for the treatment of 4 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
2	BOD 3 days 27°C	Not to exceed	30

- 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.

- 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.
- 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.
- 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	15.00
2.	Domestic purpose	5.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	6.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

- 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
S-1	Thermic Fluid Heater	Cyclone Stack	13.00	Coal 250 Kg/Hr	0.5	TPM	50 Mg/Nm ³
						SO ₂	60 Kg/Day
S-2	Boiler	Stack	30.00	LDO 20 Kg/Hr	1.8	SO ₂	17.28 Kg/Day
S-3	Process Reactor Vent	Scrubber	3.00	-	-	Acid Mist	35 Mg/Nm ³
S-4	D.G. Set (250 KVA)	Acoustic Enclosure Stack	3.00	HSD 20 Ltr/Hr	1.0	SO ₂	9.6 Kg/Day

The height of the stack of DG set and process vent shall be above the roof level of the building.

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	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs. 1.0 Lakh	Existing BG to be extended	Towards compliance of Consent Conditions	31/07/2026	31/01/2027
2	C to R	Rs. 2.0 Lakh	Existing BG to be extended	Towards submission of Board Resolution	31/07/2026	31/07/2027

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
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
2. 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 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 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 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.
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 be 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. 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.

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. The PP shall provide personal protection equipment as per norms of Factory Act 1948
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
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. 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).
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. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
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 industry should comply with the Hazardous and Other Wastes (M & TM) 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 April to March in Form-IV by 30th June of every year.
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 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.
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.

This certificate is digitally & electronically signed.
