

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No: B.O/MPCB/AST/EIC.No-AM-6651-15/R/CC- 13956

Date- 02/11/2015

To,  
M/s.Chaitanya Biologicals Pvt. Ltd.,  
S. No. 75/2, Malkapur bypass,  
NH No. 6, Malkapur,  
Tal. Malkapur, Dist- Buldana.  
PIN-443 101.

Subject : Renewal of Consent RED Category.

- Ref : 1) Consent granted vide No-MPCB/14/09351 dtd-09/10/2014,  
valid upto-30/06/2016.  
2) Consent granted vide No-BO/AST/EIC No.-AM-5114-  
13/E/Gen-099154 dtd-05/02/2014, valid up to commissioning  
of the unit OR Five years whichever is earlier.  
3) Your application for consent Dated: 11/05/2015.

For 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 5 of the Hazardous Wastes (M, H & T M) Rules 2008 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 period up to 30/06/2016.
2. The actual capital investment of the industry is 8.50 Cr (As per C.A Certificate & undertaking submitted by industry)
3. Consent is valid for the manufacture of -

Sr. No.	Products	Maximum Quantity
Existing Products		
1	Ferrous Glycine Sulphate	60 MT/M OR 2.5 TPD maximum of one product as per market order.
2	Ferrous Ammoniate	
3	Ferrous Bis Glycinate	
4	Peptone's /Tryptone (Bacteriological Media Ingredients )	
5	Iron (III) Hydroxide Poly maltose Complex	
6	Iron (III) Hydroxide Poly sucrose Complex	
7	Iron (III) Hydroxide Polysaccharide Complex	
8	Glucosamine Hydrochloride	
9.	Glucosamine Potassium Sulphate	
10	Glucosamine Sodium Sulphate	
11	Methyl Sulphonyl Methane	

12	Aloe Vera
13	Chitosan
14	Malt Extract
<b>Additional new products</b>	
15	Iron Protein Succinylate
16	Ferric Pyrophosphate
17	Ferrous Ascorbate
18	Calcium Fumarate
19	Calcium Aspartate
20	Calcium Pidolate
21	Ferric Gluconate
22	Iron Caseinate
23	Sodium Ferric EDTA
24	Casein Purified
25	Casein Protein Hydrolysates
26	Casamino Acid
27	Yeast Extract Bacteriological Grade

**Note:- Products shall be manufactured from the above list, subject to given limits and overall pollution load limit.**

**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	31.20	As per Schedule-I	Zero effluent discharge should be adopted as per EC dtd. 15.05.2015
2.	Domestic effluent	7.60	As per Schedule-I	On land for gardening.

**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-1 (300 Kg/Hr)	1	As per Schedule -II
2	Boiler -2 (500 Kg/Hr)	1	As per Schedule -II
3	Boiler-3 (800 kg/Hr)	1	As per Schedule -II
4	Hot air Generator-1	1	As per Schedule -II
5	Hot air Generator-2	1	As per Schedule -II
6	Hot air Generator-3	1	As per Schedule -II
7	D.G Set (100 KVA)	1	As per Schedule -II

**6. Conditions about Non Hazardous Wastes:**

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Empty Barrels	100 No/M	—	Return to supplier

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

Sr.no	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	28.1 Residues and wastes	4 Kg/M	---	CHWTSDF
2	34.3 Chemical sludge from waste water treatment	3 Kg/M	---	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. This consent is granted with amalgamation of existing consent and consent to first operate for expansion.
11. This consent is having overriding effect on earlier consent granted vide No-MPCB/14/09351 dtd-09/10/2014 and having valid upto-30/06/2016.
12. Industry shall comply the conditions prescribed in environmental clearance granted by MoEF & CC (I. A. Division) vide letter dtd. 15/05/2015. Also install online continuous monitoring system as per CPCB directives.
13. This consent is issued as per the delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(P.K.Mirashe)

Assistance Secretary (Technical)

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	25100/-	796989	06/05/2015	SBI Bank
2	15000/-	797815	18/06/2015	SBI Bank

Copy to:

1. Regional Officer Amravati, Sub-Regional Officer-Akola, MPCB: - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. Web site up-dation purposes.

Schedule-I

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

- 1) A] As per your application, you have installed Effluent Treatment Plant (ETP) with the design capacity of 35 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.
- As per environmental clearance granted vide letter dtd.15.05.2015, Effluent shall be treated in ETP followed by Reverse Osmosis (RO). RO rejects shall be concentrated in Multiple Effect Evaporators (MEE). MEE condensate shall be recycled for cooling tower make up.

Sr No.	Parameters	Standards prescribed by Board (if any)
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
01	pH	5.5 to 9.0
02	BOD 3days 27 deg.C	100 mg/l
03	COD	250 mg/l
04	Oil & Grease	10 mg/l
05	Suspended Solids	100 mg/l
06	Total Dissolved Solids	2100 mg/l
07	Sulphate	1000 mg/l
08	Chlorides	600 mg/l
09	Phosphate (as P)	5.0 mg/l
10	Bioassy Test	90% survival of fish after first 96 hrs in 100% effluent.

- C] The treated effluent shall be segregated and reused back into the process to maximum extent. Zero effluent discharge should be adopted and no effluent will be discharged outside the premises.
- 2) A] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- |     |                   |               |     |       |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27oC.  | Not to exceed | 100 | mg/l. |
- B] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically, excess if any sewage shall be disposed on land for gardening/irrigation.
- 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 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.
- 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) 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	25.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	35.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00

- 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.

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**Schedule-II**

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

1. As per your application, you have install 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-1 (300 Kg/Hr)	---	17.0	Furnace oil	21 Kg/hr	4.5	45.36
2	Boiler-2 (500 Kg/Hr)	---	20.0	Furnace oil	36 Kg/hr	4.5	77.76
3	Boiler-3 (800 Kg/Hr)	---	22.0	Furnace oil	52 Kg/hr	4.5	112.32
4	Hot air Generator-1	---	17.0	Furnace oil	18 Kg/hr	4.5	38.88
5	Hot air Generator-2	---	17.0	Furnace oil	18 Kg/hr	4.5	38.88
6	Hot air Generator-3	---	17.0	Furnace oil	18 Kg/hr	4.5	38.88
7	D.G Set (100 KVA)	Acoustic enclosures	3.00*	Diesel	15 Kg/hr	---	---

\*above the roof of building in which D.G set is installed.

As per condition prescribed in Environmental clearance, scrubber along with stack of adequate height will be provided to oil fired boiler.

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. (Concern section shall mention specific control equipments)
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> .
Acid mist	Not to exceed	35 mg/Nm <sup>3</sup> .
NOx	Not to exceed	50 mg/Nm <sup>3</sup> .

4. 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.
5. 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

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 Existing	15000/-	15 days	Towards compliance of consent conditions	30/06/2016	31/10/2016
2	C to R Existing	1.0 lakh	15 days	Towards compliance of consent conditions	30/06/2016	31/10/2016

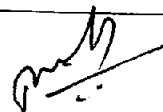
- Above Bank Guarantee shall be submitted at MPCB Regional Office, Amrayati within 15 days period.

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#### 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 HW(MH&TM) Rules 2008, which can be recycled
- 9) /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.
- 10) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 13) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 14) 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)).
- 15) 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.
- 16) 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.
- 17) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
  - 18) 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.
  - 19) The industry should not cause any nuisance in surrounding area.
  - 20) 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.
  - 21) The applicant shall maintain good housekeeping.
  - 22) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement 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, with the Environment Statement.
  - 23) 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.
  - 24) 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.
  - 25) 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.
  - 26) 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).
  - 27) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  - 28) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd: - 16.11.2009 as amended.

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