

Amraura-1



ANDHRA PRADESH POLLUTION CONTROL BOARD

D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520010
Website: www.appcb.ap.nic.in

RED CATEGORY CONSENT ORDER BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

Consent Order No: APPCB/VJA/VJA/316/CFO/HO/2018-

Date: 29.01.2018

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Crux Biotech India Private Ltd., (Expansion)
S.Nos.529 (p), 530, 531 (p), 532 (p), 536 (p), 557 (p), 560 (p), 654 (p),
Peddavaram (V), Nandigama Mandal, Krishna District – 521 185, A.P.
E-mail: ravi_gog@hotmail.com

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

(i) Outlets for discharge of effluents:

Outlet No.	Source	Max Daily Discharge as per CFO Order dated 25.02.2016	Max Daily Discharge After Expansion as per CFE order dated 01.12.2017	Point of Disposal
1	Process (Spent wash – Thin slop)	260 KLD	260 KLD	<ul style="list-style-type: none">Spent wash – Thin slop after decantation shall be evaporated in MEE.Condensate shall be recycled for liquefactionConcentrate to DDGS drier and shall maintain zero liquid discharge. After treatment in ETP, shall be utilized for cooling water make up, ash suppression and for on land for gardening within the premises to develop greenbelt.
2	Boiler blow down	79 KLD	90 KLD	
3	Cooling tower blow down	90 KLD	90 KLD (recycled)	
4	Effluent from water treatment plant (Raw water treatment rejects)	169 KLD	79 KLD	
5	Blow down from CO ₂ recovery plant	2 KLD	2 KLD (recycled)	
6	Domestic	8 KLD	8 KLD	Septic tank followed by soak pit.
	Total	608 KLD	437 KLD	

ii) Emissions from chimneys: Nil

This consent order is valid for the following products along with quantities indicated only:

S. No	Product	Quantity
1.	Rectified Spirit /ENA/Ethanol using grain as raw material	15 KLPD

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A & B enclosed to this order.

This combined order of consent shall be valid for a period ending with the **31st January, 2021.**

MEMBER SECRETARY

To

**M/s. Crux Biotech India Private Ltd., (Expansion)
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Peddavaram (V), Nandigama Mandal, Krishna District – 521 185, A.P.**

Copy to:

1. The JCEE, ZO: Vijayawada for information and necessary action.
2. The JCEE (UH: II), APPCB, Vijayawada for information.
3. The EE, RO: Vijayawada for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry shall carryout analysis of wastewater discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Not withstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
8. The applicant shall make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized shall not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
9. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28

of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.

SCHEDULE-B

Water Pollution:

1. There shall be no additional water requirement due to the proposed expansion other than permitted in CFO&HWA order dated 25.02.2016.
2. The industry shall comply with the following effluents standards based on the disposal points permitted:

Outlet	Parameters	Limiting Standards
2 to 5	pH	5.5 – 9.0
	Suspended solids	200.0 mg/l
	Oil and grease	10.0 mg/l
	Biochemical oxygen demand (3 days at 27°C)	100.0 mg/l

3. The existing Effluent Treatment Plant (ETP) shall be operated regularly in order to meet the standards. All the units of the ETP shall be impervious and shall be constructed 1m above the ground level to prevent ground water pollution.
4. The industry shall achieve Zero effluent discharge. There shall not be any discharge outside the industry premises or into River Krishna under any circumstances.
5. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up within a week. Sampling and trend analysis monitoring must be made on quarterly basis and report shall be submitted to the Regional Office concerned.

Air Pollution:

6. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m³; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)

General:

7. The proponent shall install CO₂ recovery plant with the year 2018-19 as submitted in letter dated 20.11.2017 as mentioned in the CFE order dated 01.12.2017.
8. The industry shall store spent wash in closed tanks with a capacity of 2-3 days. Under any circumstances the industry shall not store spent wash in lagoons.
9. The industry shall install and maintain online effluent quality monitoring system at the outlet of ETP and shall be networked to APPCB and CPCB server for website display.
10. The industry shall provide online stack monitoring system and shall be networked to APPCB and CPCB server for website display.
11. The industry has to develop thick green belt in the premises.
12. Green belt with minimum area of 9.60 acres i.e., 33% of total area shall be developed in the vacant places and along the boundary of the industry as mentioned in the CFE order dated 01.12.2017.
13. The industry install online continuous effluent and emission monitoring systems and connect monitoring system to APPCB/CPCB websites as per CPCB directions dated 05.02.2014. The online monitoring system shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines.
14. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details (ER-1 Central Excise Returns).

- b. Quantity of Effluents generated, treated, recycled/reused and disposed to MEE.
- c. Log Books for pollution control systems.
- d. Characteristics of ambient air, effluents and emissions.
- e. Hazardous/non hazardous solid waste generated and disposed.
- f. Inspection book.
- g. Manifest copies of hazardous waste.

15. The industry shall dispose solid waste (NON HAZARDOUS) as follows

S. No	Name of the Solid Waste	Quantity	Disposal
1	DDGS from MEE (with 90% solids)	58 TPD	To be sold out as cattle / poultry / fish feed.
2	Boiler ash	27 TPD (with 100% biomass) or 45 TPD (with 100% coal)	To brick manufacturers when biomass is used as fuel. To brick manufacturers / cement plants when coal is used as fuel.

16. The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
17. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.

MEMBER SECRETARY

To

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