



**TELANGANA STATE POLLUTION CONTROL BOARD**  
Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar,  
Hyderabad-500 018  
Phones : 040-23887500

**CFE AMENDMENT ORDER**

**Order No. 4/TSPCB/CFE/WNP/RO-HYD/HO/2023**

**Dt: 21.08.2023**

<b>Sub:</b>	TSPCB – CFE - M/s. Allied Blenders and Distilleries Pvt. Ltd., (Distillery unit), (Formerly Shasta bio-fuels Pvt. Ltd.), Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), Wanparthy District – Amendment for CFE order dt: 07.07.2023- Issued - Reg.
<b>Ref:</b>	1) EC order dt: 24.08.2009. 2) CFO Order dt: 24.03.2021. 3) CFO amendment order dt: 08.12.2021. 4) EC Expansion order dt: 09.03.2023. 5) CFE Expansion Order dt: 07.07.2023. 6) Proponent request lr dt: 18.07.2023. 7) CFE Committee Meeting dt: 18.08.2023.

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M/s. Allied Blenders and Distilleries Pvt. Ltd., (Distillery unit), (Formerly Shasta bio-fuels Pvt. Ltd.) Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), Wanparthy District is a grain based distillery unit and Captive power plant.

The industry obtained CFO of the Board vide reference 2<sup>nd</sup> for production of Rectified Spirit /Ethanol / ENA (Grain based –Maize/Jowar/Broken rice-380 TPD) - 150 KLPD and Electricity - 6.5 MW and impure spirit – 5.0 KLD, fuel oil – 0.1 KLD, CO2 – 80.0 TPD & DWGS& DDGS – 91.7 TPD as by products. Subsequently obtained CFO amendment order vide reference 3<sup>rd</sup> cited.

The industry vide reference 4<sup>th</sup> cited has obtained EC expansion and CFE Expansion vide reference 5<sup>th</sup> cited.

Now, the proponent vide letter dated: 18.07.2023 requested to amend the CFE order to change the Industry name from M/s. Allied Blenders and Distilleries Pvt. Ltd., to M/s. Allied Blenders and Distilleries Ltd duly submitting the EC transfer order and Certificate of Incorporation.

The issue was placed in the CFE Committee meeting held on 18.08.2023. After detailed discussion the Committee recommended to issue Amendment for name change as “M/s. Allied Blenders and Distilleries Pvt. Ltd.,” to “M/s. Allied Blenders and Distilleries Ltd.”

In view of the above the name of the industry in the CFE order shall be read as **“M/s. Allied Blenders and Distilleries Ltd.”**

All the other conditions stipulated in the CFE order dt. 07.07.2023 remains same.

This order is issued under Section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Amendments thereof.

**Sd/-  
MEMBER SECRETARY**

**To  
M/s. Allied Blenders and Distilleries Ltd., (Distillery unit),  
(Formerly Shasta bio-fuels Pvt. Ltd.), Sy.Nos. 690/AA,  
691/AA2 & 692, Rangapuram (V), Pebberu (M),  
Wanparthy District.**

**Copy to**

1. The JCEE, ZO Hyderabad for information and necessary action.
2. The EE, RO Hyderabad for information and necessary action.

**// T.C.F.B.O.//**

*Ksreddy*

**Joint Chief Environmental Engineer**

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TELANGANA STATE POLLUTION CONTROL BOARD  
Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar,  
Hyderabad-500 018  
Phone : 040-23887500

**CONSENT ORDER FOR ESTABLISHMENT FOR EXPANSION- RED CATEGORY**

**Order No./TSPCB/CFE/ RO-HYD/110/2023**

**Dt. 07.07.2023**

Sub:	TSPCB – CFE - M/s. Allied Blenders and Distilleries Pvt. Ltd., (Distillery unit), (Formerly Shasta bio-fuels Pvt. Ltd.), Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), Wanparthy District – Application for CFE for Expansion - Consent for Establishment of the Board under Sec.25 of Water (Prevention & Control of Pollution) Act, 1974 and Under Sec.21 of Air (Prevention & Control of Pollution) Act, 1981 - Issued - Reg.
Ref:	1) EC order dt: 24.08.2009. 2) CFO Order dt: 24.03.2021. 3) CFO amendment order dt: 08.12.2021. 4) EC Expansion order dt: 09.03.2023. 5) Industry's application dt: 20.06.2023. 6) R.O's verification report dt. 30.06.2023. 7) CFE Committee meeting held on 04.07.2023.

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1. M/s. Allied Blenders and Distilleries Pvt. Ltd., (Distillery unit), (Formerly Shasta bio-fuels Pvt. Ltd.) Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), Wanparthy District is a grain based distillery unit and Captive power plant.
2. The industry obtained CFO of the Board vide reference 2<sup>nd</sup> for production of Rectified Spirit /Ethanol / ENA (Grain based –Maize/Jowar/Broken rice-380 TPD) - 150 KLPD and Electricity - 6.5 MW and impure spirit – 5.0 KLD, fuel oil – 0.1 KLD, CO<sub>2</sub> – 80.0 TPD & DWGS& DDGS – 91.7 TPD as by products. Subsequently obtained CFO amendment order vide reference 3<sup>rd</sup> cited.
3. The industry vide reference 4<sup>th</sup> cited has obtained EC expansion and vide reference 5<sup>th</sup> cited, submitted an application to the Board seeking Consent for Establishment (CFE) to produce following products after expansion with capacities as mentioned below, with a project cost of Rs. 122.55 Crores:

S.No	Products	Capacity (Total after expansion)
1.	Rectified Spirit /Ethanol / ENA	65,700 KLPA* (180 KL x 365 days)
2.	Electricity	2372.5 MW

**\*The industry shall achieve the expansion capacity through process optimization route using the superior quality grain, high yield enzyme and yeast only.**

**By products:**

S.No	By-Products	Quantity (Total after expansion)
1.	Impure Spirit	2190 KLPA
2.	Fusel Oil	43.8 KLPA
3.	CO <sub>2</sub>	35,040 TPA
4.	DWGS	51,830 TPA
5.	DDGS	

4. As per the application, the above activity is to be located in the existing plant premises at Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Pebberu (M), Wanaparthy District in an area of 121405.80 Sq.mtrs.

5. The above site was inspected by the Environmental Engineer, Regional Office, Hyderabad, T.S. Pollution Control Board on 24.06.2023 and observed that the site is surrounded by:

North: Agriculture lands;

South: Orange / Lemon gardens/Agricultural lands;

East: Agriculture lands;

West: Agricultural lands followed by Krishna River basin;

6. The Board, after careful scrutiny of the application and additional information submitted by the industry, verification report of the Regional Officer, E.C. expansion Order dated 09.03.2023 issued by SEIAA and after examining in the CFE Committee meeting held on 04.07.2023, hereby issues CONSENT FOR ESTABLISHMENT for expansion to your industry under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to the products and capacities as mentioned at Para (3) only.

7. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

8. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'  
Schedule 'B'

Sd/-  
MEMBER SECRETARY

To  
M/s. Allied Blenders and Distilleries Pvt. Ltd., (Distillery unit),  
(Formerly Shasta bio-fuels Pvt. Ltd.),  
Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V),  
Pebberu (M), Wanaparthy District.

//T.C.F.B.O//

  
SENIOR ENVIRONMENTAL ENGINEER





### SCHEDULE – A

1. **This order is valid for a period of 5 years from the date of issue.** Progress on implementation of the project shall be reported to the concerned Regional Office, T.S. Pollution Control Board once in six months. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for information of the inspecting officers.
2. The proponent shall obtain Consent for Operation (CFO) from TSPCB, as required Under Sec.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under sec. 21/22 of the Air (Prevention and Control of Pollution) Act, 1981, before commencement of the activity.
3. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
4. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Hon'ble Courts, Collector and District Magistrate as Civil liability.
5. The rules and regulations notified under Environmental Acts by the MOEF&CC and by the Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
6. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
7. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof, to review any and/or all the conditions imposed herein, to modify conditions or stipulate any further conditions and to take action including revocation of this order in the interest of public health and environment.
8. 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 the State Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

### SCHEDULE – B

#### Water (After expansion) :

1. The source of water is Krishna River. The maximum total fresh water consumption shall not exceed 2400KLD. The industry shall treat the fresh water drawn from the Krishna River in Water Treatment Plant (WTP) and the treated water of 1560 KLD shall be used for various purposes and the WTP reject water/ ETP Tertiary (840 KLD) shall be treated in the tertiary treatment plant of ETP:

Sl. No	Purpose	Quantity
1	Process	525.0 KLD Fresh Water ) + 900 KLD (Process Recycled Water)
2	Cooling Tower makeup	608 KLD (Fresh Water) + 951 KLD (Recycled Water)
3	Boiler-feed	400 KLD(Fresh Water)
4	CO2 Plant	12.0 KLD(Fresh Water)
5	Domestic	15.0 KLD(Fresh Water)

6	Green Belt, Ash Quenching and Dust Suppression	155.0 KLD (Recycled Water)
7	ETP Tertiary /WTP reject water	840 KLD
	<b>Total</b>	<b>2400 KLD (Fresh Water) + 2006 (Recycled Water)</b>

2. The maximum Waste Water Generation (KLD) shall not exceed the following and Effluent Treatment & Disposal shall be as follows:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1	Spent Wash	900	Shall be sent to the Decanter and the thin slop shall be sent to MEE to concentrate and the condensate shall be treated in Ecophotox plant followed by reuse in the process and concentrate sent to Dryer to get DDGS.
2	ETP tertiary (RO Rejects)	201	
3	Boiler Blow down	40	<ul style="list-style-type: none"> <li>➤ Shall be treated in ETP followed by tertiary treatment in UF &amp; RO.</li> <li>➤ RO Rejects to MEE.</li> <li>➤ RO permeate shall be used for dust suppression/ash conditioning and for onland for gardening within the premises.</li> </ul>
4	Cooling bleed off	179	
5	CO2 Recovery plant	12	
6	Domestic	12 KLD	
7	Fermentation Cleaning & Washings	90	Shall be Recycled into the process
	<b>Total</b>	<b>1422 KLD</b>	

3. The Spent lees generated from the distillation unit shall be recycled into the process.
4. The industry shall maintain & operate MEE system of 772 m<sup>3</sup>/day with decanter, drier to produce DDGS and followed by ETP of 650 KLD capacity.
- 5.
6. All the units of ETP shall be constructed above ground level and all the treatment units shall be made impervious to prevent any seepages into the ground and avoid contamination of storm water.
7. Industry shall provide dedicated storm water drains and ensure that rain water does not get mixed with spent wash (Raw stillage) or other effluents. Similarly, there shall not be any discharge of effluents / washings / spent wash in the storm water drains.
8. The industry shall provide first runoff rain water & seepage collection pit with proper Bypass arrangement for free flow of subsequent rain water (24kl/acre).
9. The industry shall strictly maintain ZLD system in closed circuit system. The industry shall not use any flexible pipelines within the premises for transfer of effluents / wastewater. All the effluent conveying pipe lines shall be fixed. There shall not be any discharge / spillages of effluent within or outside the premises.
10. The industry shall ensure Zero Liquid discharge from the premises and see that no contaminated rain water joins the river.

11. Separate meters with necessary pipe-line shall be operated and maintained for assessing the quantity of water used for each of the purposes mentioned below:
  - a) Industrial cooling, boiler feed
  - b) Domestic purposes
  - c) Processing, whereby water gets polluted and pollutants are easily bio-degradable
  - d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable
12. The industry shall provide separate water meters for recording water consumption for process, washings, boiler feed & utilities and domestic purposes and also maintain daily records.
13. The industry shall provide digital flow meters for recording the quantity effluent generation, quantity of treated effluents at ETP outlet, MEE feed & MEE condensate utilized for cooling tower makeup / plantation.
14. The industry shall install IP camera with PAN, TILT Zoom, 5x or above focal length, with night vision capability at MEE as per CPCB norms and connect the data to the CPCB & TSPCB servers.
15. The industry shall install real time effluent quality monitoring system for outlet of ETP for the parameters: flow, pH, COD, BOD, TSS as per CPCB directions and connect the data to the CPCB & TSPCB.

**Air (After expansion):**

16. The proponent shall comply with the following for controlling air pollution.

Sl.No	Details of Stack	Stack 1	Stack 2
a)	Attached to:	Boiler	DG set
b)	Capacity	50TPH	1x1500 KVA
c)	Fuel form: Solid/Liquid/gaseous	coal / Rice husk/Briquette	--
d)	Fuel quantity: (L /KL per day)	--	--
e)	Stack height:	54 mtrs	11 mtrs
f)	Diameter / size, in m.	--	--
f)	Details of Air Pollution Control Equipment:	ESP with 3 Fields	Acoustic enclosure with silencer.

17. As per EC, the industry shall provide Continuous online (24x7) monitoring system for stack emissions for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and TSPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
18. The proponent shall install closed shed to store the flyash/ Coal ash and dispose to the brick manufacturing units in the surrounding area. The industry shall take all necessary dust control measures to arrest fugitive emissions.
19. The industry shall install separate energy meters for recording energy consumption for APCE and maintain record for daily energy consumption.
20. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
21. The generators shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.



22. Industry shall take following mitigation measures to control air pollution, as proposed:

- Raw material/fuel unloading areas to be provided with dust suppression system.
- All material transfer points to be provided with dust extraction system with bag filters.
- All the conveyers to be covered with sheets to prevent the fly-off of fugitive dust.
- All internal roads to be made pucca to prevent the fugitive dust to vehicular movement.
- No open storage of ash and the ash to be stored in silo only.

**Solid Waste (After expansion):**

23. The proponent shall comply with the following:

S. No.	Description	Quantity	Mode of Disposal
1	Waste oil	2500 TPA	Shall be disposed to authorized agencies.
2	ETP sludge	320 kg/day	Shall be used as manure within the premises
3	Drums and plastic cans	50 Nos/day	After complete detoxification shall be sold to outside agencies.
4	Plastic waste	300 TPA	Shall be disposed to Authorized agencies.
5	Ash	25,550 TPA	Sold to brick manufacturers & cement industry.
6	Organics waste (from Cateen)	0.01 TPD	The waste is collected and treated in compost pit and used as manure within plant premises.

24. The industry shall dispose DDGS (moisture 10%) in dry form only. There shall not be any odour nuisance in the premises

25. The industry shall dispose the fly ash/ Coal ash to the brick manufacturing units /cement industries on regular basis and maintain water sprinkling at ash storage area to control fugitive emissions.

26. The proponent shall comply with the provisions laid under Fly ash Notification No.S.O.763 (E), dt. 14.09.1999 and Amendments thereof.

27. The following rules and regulations notified by the MoEF&CC, Gol shall be implemented.

- a) Solid Waste Management Rules, 2016.
- b) Construction and Demolition Waste Management Rules, 2016.
- c) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- d) The Plastic Waste Management Rules, 2016.
- e) Batteries Waste Management Rules, 2022.
- f) E-Waste (Management) Rules, 2016 and its Amendment Rules, 2018.
- g) Bio-Medical Waste Management Rules, 2016 and its Amendment Rules, 2018.

**Other Conditions:**

28. Industry shall develop greenbelt in an area of 10.81 Acres (33%) with 10 m wide greenbelt on all sides along the boundary of the industry, as proposed.

29. The industry shall install the Digital Display Board showing the environmental data near the main gate of the industry.

30. The industry shall maintain records of raw material consumption and production.
31. The industry shall not cause odour nuisance in the surroundings.
32. System of leak detection and repair of pump / pipeline shall be installed in the plant and immediate response team shall be identified for preventive maintenance.
33. The industry shall provide separate energy meter for the pollution control systems.
34. The industry shall submit consolidated statement of production details, effluent generated & effluent treated, Hazardous / solid waste generated and disposed, records of operation of pollution control equipment on monthly basis to the concerned Regional Officer and records pertaining in this regards on daily basis (RG-I records, central excise returns etc) shall also be made available to the Board Officials during the inspection.
35. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
36. The industry shall comply with all the directions issued by the Board from time to time.
37. The industry shall provide CO<sub>2</sub> Plant with all safety measures to collect the CO<sub>2</sub> generated from the process and shall be bottled / made ice and utilized / sold to authorized vendors.
38. The proponent shall comply with all the directions issued by the Board from time to time.

**Sd/-  
MEMBER SECRETARY**

To  
**M/s. Allied Blenders and Distilleries Pvt. Ltd., (Distillery unit),  
(Formerly Shasta bio-fuels Pvt. Ltd.),  
Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V),  
Pebberu (M), Wanparthy District.**

//T.C.F.B.O//

  
**SENIOR ENVIRONMENTAL ENGINEER**



