



**AMENDMENT ORDER**

**Lr No.TGPCB/RO-HYD/HO/CFO/2024**

**Date:12.07.2024**

**Sub:-** TGPCB –M/s. Allied Blenders and Distillers Limited (Formerly M/s. Shasta Bio fuels Pvt. Ltd), (Distillery unit) Sy. No. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), and Wanparthy District – Amendment to CFO & HWA – Issued-Reg.

- Ref:-**
1. CFE Amendment order dated 21.08.2023.
  2. CFO & HWA Expansion order dated 19.10.2023 which is valid upto 31.03.2028.
  3. The industry representation for certain amendments dt. 02.02.2024.
  4. The EE, RO- HYD verification report dt. 04.05.2024
  5. CFO committee meeting held on 06.07.2024.

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The industry vide reference 1<sup>st</sup> cited has obtained amendment to CFE vide order dated 21.08.2023 for name change from Allied Blenders and Distillers Pvt. Ltd (Formerly M/s. Shasta Bio fuels Pvt. Ltd), (Distillery unit) to M/s. Allied Blenders and Distillers Limited.

The Board vide reference 2<sup>nd</sup> cited has issued CFO & HWA (Expansion) to M/s. Allied Blenders and Distillers Pvt. Limited (Formerly M/s. Shasta Bio fuels Pvt. Ltd), (Distillery unit) Sy.No: 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), and Wanparthy District with a validity upto 31.03.2028 for the following products, Hazardous waste with certain conditions:

S.No	Products	Capacity total after expansion
1	Rectified Spirit /Ethanol / ENA	54,750 KL/Annum (180 KL x 365 days)
2	Electricity	2372.5 MW

**Hazardous waste:**

Waste oil – 2500 TPA (Shall be disposed to authorized agencies).

**Condition No. 11 in Schedule B:** The industry shall operate online stack monitor for boiler emissions and connect the data to CPCB & TSPCB servers. The industry shall operate online H<sub>2</sub>S analyser and connect the data to TSPCB server.

The industry vide reference 3<sup>rd</sup> cited has requested the Board to issue following amendments to CFO & HWA order dt. 19.10.2023.

1. The industry has requested to change its name in CFO from M/s. Allied Blenders and Distillers Pvt. Ltd to M/s Allied Blenders and Distillers Limited.
2. The industry informed that they are using coal and husk as fuel in boiler which has sulphur content below 0.5% and requesting the Board to remove the statement i.e., the industry shall operate online H<sub>2</sub>S analyser and connect the data to TSPCB server.
3. Waste oil - 2500 TPA to be changed to 2500 Ltr/ annum.
4. Electricity capacity from 2372.5 MW(annual Capacity) to be changed as 6.5 MW( Daily capacity).

The EE, RO-HYD has forwarded the report to the Board office. The issue was placed before the CFO committee meeting held on 06.07.2024. The RO and representative of the industry have attended the meeting. The committee noted that the request of the industry with regard to name change, Waste oil quantity and power generation quantity is justified and recommended for issue of amendment to CFO & HWA order. However, the request with of the industry with regard to exemption of H<sub>2</sub>S analyzer is not considered and opined that the installation of H<sub>2</sub>S may be fixed at anaerobic digester.

After scrutiny, the Board hereby issues amendment to CFO & HWA (Expansion) order dt. 19.10.2023 and shall be read as follows:

S. No.	Particulars/Condition stipulated in CFO (Expansion) order dt. 19.10.2023	Shall be read as
1.	M/s. Allied Blenders and Distillers Pvt. Limited	M/s. Allied Blenders and Distillers Limited
2.	<b>Condition no. 11 in schedule B:</b> The industry shall operate online stack monitor for boiler emissions and connect the data to CPCB & TSPCB servers. The industry shall operate online H <sub>2</sub> S analyser and connect the data to TSPCB server.	The industry shall operate online stack monitor for boiler emissions and connect the data to CPCB & TSPCB servers.  The industry shall install H <sub>2</sub> S analyser at anaerobic digester to monitor H <sub>2</sub> S in ambient and connect the data to TSPCB server.
3.	Waste oil - 2500 TPA	Waste oil - 2500 Ltr/ annum
4.	Electricity - 2372.5 MW	Electricity – 6.5 MW

All other conditions and validity of CFO & HWA expansion order issued vide reference 2<sup>nd</sup> cited will remain same.

Sd/-  
MEMBER SECRETARY


To  
M/s. Allied Blenders and Distillers Limited, (Distillery unit)  
(Formerly M/s. Shasta Bio fuels Pvt. Ltd),,  
Sy.No: 690/AA, 691/AA2 & 692, Rangapuram (V),  
Pebberu (M), and Wanparthy District.

Copy to

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

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

  
SENIOR ENVIRONMENTAL ENGINEER  
(Unit-I) 15/8/2024

	<b>TELANGANA STATE POLLUTION CONTROL BOARD</b> <b>PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,</b> <b>SANATHNAGAR, HYDERABAD - 500 018</b>	Phone: 23887500 Fax: 040 – 23815631 Website: tspcb.cgg.gov.in
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**CONSENT & HWA ORDER (EXPANSION)**  
**RED CATEGORY**

**Consent Order No : 20234696127**

19/10/2023

*(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 6 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules 2016 & Amendments thereof).*

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under 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), Peberu (M), Wanaparthy District** (hereinafter referred to as 'the Applicant / Project') and the project is authorized to operate and to discharge the Effluents and the quantity of Emissions from the chimneys, by operating pollution control equipment, as detailed below:

**i) Out lets for discharge of Effluents:**

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
i.	Process	900	Shall be sent to the decanter and the thin slop shall
ii.	ETP tertiary (Ro Rejects)	201	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.
iii.	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>
iv.	Cooling bleed off	179	
v.	CO <sub>2</sub> Recovery plant	12	
vi.	Domestic	12	
vii.	Fermentation Cleaning and washing purpose	90	Shall be recycled into the process
	<b>Total</b>	<b>1422 KLD</b>	

## ii) Emissions from chimneys:

Chimney No.	Description of Chimney
1	Attached to coal / husk boiler of capacity 50 TPH
2	Attached to DG set of capacity 1 x 1500 KVA

iii) HW Authorisation No.: 20234696127

19/10/2023

**HAZARDOUS WASTE AUTHORISATION**  
(FORM – II)  
[See Rule 6 (2)]

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 hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

**1. HAZARDOUS WASTES WITH DISPOSAL OPTION:**

S.No	Description	Stream	Quantity	Method of Disposal
1.	Organics waste (from Cateen)	28.1 of Schedule -I	0.01 TPD	The waste is collected and treated in compost pit and used as manure within plant premises
2.	ETP Sludge	34.3 of Schedule -I	320 kg/day	Shall be used as manure within the premises.

**2. HAZARDOUS WASTES WITH RECYCLING OPTION:**

S. No	Hazardous Waste	Stream	Quantity	Disposal Option
1.	Waste oil	5.1 of Schedule-I	2500 TPA	Shall be disposed to authorized agencies
2.	Drums and plastic cans	--	50 Nos/day	After complete detoxification shall be sold to outside agencies.
3.	Plastic waste	--	300 TPA	Shall be disposed to Authorized agencies.

**Other Wastes**

1.	Ash	--	25,550 TPA	Sold to brick manufacturers & cement industry.
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This consent order is valid for manufacture of the following products along with quantities as mentioned only.

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.	CO2	35,040 TPA
4.	DWGS	51,830 TPA
5.	DDGS	

This order is subject to the provisions of 'the Acts' and the Rules' and amendments made there under and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

**This order of Consents and Authorization is valid for a period upto 31.03.2028**

**KRISHNA ADITYA**  
**SRIRAMSETTI, MS(KAS), O/o MEMBER SECRETARY-TSPCB**  
**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.

  
**SENIOR ENVIRONMENTAL ENGINEER**  
Telangana State Pollution Control Board,  
Paryavaran Bhavan, A-3, Industrial Estate,  
Sanathnagar, Hyderabad-500 018.  


**SCHEDULE – A**

1. The applicant shall make applications through online for renewal of Consent (under Water & Air Acts) and Authorisation under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorisation of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: <http://tspcb.cgg.gov.in/Pages/Circulars.aspx>).
2. This order is issued in line with Board's **CFE Expansion order dated : 07.07.2023**. 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. The industry shall comply with all other conditions of **CFE Expansion order dated : 07.07.2023** is still applicable.
3. 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 Rules, to such authority (hereinafter referred to as the 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.
4. The industry may explore the possibility of tapping the solar energy for their energy requirements.
5. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

**SCHEDULE – B**

1. **The existing CFO order dt. 24.03.2021 with a validity upto 31.03.2026 stands cancelled.**
2. The industry has paid CFO fee Rs. 9,00,000/- for a period upto 31.03.2025 .
3. The industry shall pay balance consent fee annually as per rates notified in G.O.Ms.No.22. The payment of annual consent fee shall be made at the concerned RO for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April to June) is mandatory for the industry / project, failing which, the validity of the Consent Order automatically stands cancelled and operation industry / project without valid consent attracts penal action under the provision of Water Act, Air Act & Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016
4. The industry either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.
5. Total Water Consumption shall not exceed 2400 KLD

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 (Fresh Water)
	<b>Total</b>	<b>2400 KLD (Fresh Water) + 2006 (Recycled Water)</b>

6. The effluents treated in ETP should not contain constituents in excess of the tolerance limits mentioned below.

Outlet No.	Parameter	Limiting Standard
3,4,5 & 6	pH	6.5 – 8.5
	Total Suspended Solids	200 mg/l
	Oil & Grease	10 mg/l
	Biochemical Oxygen Demand(BOD3 days at 270C)	100 mg/l

7. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Description of Chimney	Parameter	Emission standards
1.	Attached to coal / husk boiler of capacity 50 TPH	SPM	115 mg/Nm <sup>3</sup>
		SO <sub>2</sub> *	600 mg/Nm <sup>3</sup> At 6% dry O <sub>2</sub> , for solid fuel and 3% dry O <sub>2</sub> for liquid fuel
		NO <sub>x</sub> *	300 mg/Nm <sup>3</sup> At 6% dry O <sub>2</sub> , for solid fuel and 3% dry O <sub>2</sub> for liquid fuel
2.	Attached to DG set of 1 x 1500 KVA	SPM	115 mg/Nm <sup>3</sup>

**\*As per MOEF&CC Notification No.GSR 96(E), dt. 29.01.2018 published under the Environment (Protection)Rules, 1986.**

- The industry shall not manufacture any un-consented products and exceeding capacities without obtaining prior Consent for Establishment (CFE) and Consent for Operation (CFO) of the Board.
- The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW should comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
- The industry shall comply with ambient air quality standards of PM<sub>10</sub>(Particulate Matter size less than 10µm) - 100 µg/ m<sup>3</sup>; PM<sub>2.5</sub>(Particulate Matter size less than 2.5 µm) - 60 µg/ m<sup>3</sup>; SO<sub>2</sub> - 80 µg/ m<sup>3</sup>; NO<sub>x</sub> - 80 µg/m<sup>3</sup>, 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).

7. The industry shall provide and maintain separate water meters for recording water consumption for various purposes and also maintain daily records.
8. The industry shall maintain digital flow meters at MEE feed, MEE condensate, inlet of ETP and outlet of ETP and maintain log book for operation of ETP.
9. The industry shall treat the total quantity of effluents (other than spent wash) in the ETP before utilizing for onland application.
10. The industry shall maintain real time effluent quality monitoring system for parameters flow, pH, COD, BOD, TSS as per CPCB directions and connect the data to the TSPCB server.
11. The industry shall operate online stack monitor for boiler emissions and connect the data to CPCB & TSPCB servers. The industry shall operate online H<sub>2</sub>S analyser and connect the data to TSPCB server.
12. The industry shall carry out ground water quality monitoring in all around their premises by providing suitable piezometric wells / in existing open wells in consultation with the RO, Hyderabad and submit monthly reports to the RO.
13. The industry shall calibrate "Online Stack Monitoring System" regularly and submit the reports to the RO, Hyderabad on quarterly basis.
14. The industry shall calibrate "Real Time Effluent Monitoring System" and submit the reports to the RO, Hyderabad on quarterly basis.
15. The industry shall properly maintain the HDPE lined storage tanks provided for storage of treated effluents from Sugar and Distillery plants during upset conditions.
16. The industry shall develop and maintain greenbelt as per norms.
17. The industry shall provide adequate closed storage shed for storage of filter cake, husk and coal.
18. The industry should restrict their spent wash storage capacity to 30 days storage capacity as per the CPCB guidelines.
19. The industry shall maintain electronic data logging flow totalisers and maintain records of Rectified Spirit production, water consumption, spent wash generation, CO<sub>2</sub> generation. The above flow meter reading should be integrated to PLC system. The consolidated daily records should be furnished to RO, Hyderabad every month.
20. The industry shall dispose the fly ash and bottom ash to the brick manufacturing units on regular basis as committed. They shall provide water sprinkling at ash storage area to avoid fugitive emissions.
21. The industry should operate the Air Pollution Control Equipments regularly and maintain the log registers. The industry shall maintain separate energy meters for recording energy consumption for air pollution control equipments and maintain record for daily energy consumption.
22. The industry should explore the possibilities to utilize the treated effluents for cooling and other purposes to implement Zero Liquid Discharge.
23. 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 shall also be made available to the Board Officials during the inspection.
24. The industry shall comply with Task Force directions issued by the Board from time to time.
25. The applicant shall submit Environment statement in Form V to the Regional office before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 &



amendments thereof.

26.The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

**SCHEDULE - C**  
[see rule 6(2)]

**[SPECIAL CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR  
HANDLING HAZARDOUS WASTES]**

5. The industry shall give top priority for waste minimization and cleaner production practices.
6. The industry shall not store hazardous waste for more than 180 days as per the Hazardous and other Wastes (Management, Handling and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 6 copy manifest system for transportation of waste generated and copies of receipt of Consignee shall be submitted to the Concerned Regional office. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 20(2) of the Hazardous and other Wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.
7. The industry shall dispose /sell the Hazardous Waste to only industries/agencies authorized by the State Pollution Control Boards. The industry shall verify the authorization of the Board given to the Party before disposing its waste to the External Party.
8. The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with authorization. In case of variation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/ CFE/CFO in this regard.
9. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. Waste oils shall be disposed to the authorized Reprocessors/ Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis. The industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises. The industry shall check the Certificate/ Authorisation/order of MoEF issued to the Re-user/Recycle units while disposing the waste oil.
- 10.The industry shall dispose of e-waste to the authorised recyclers only.
- 11.The industry shall maintain good house keeping.
- 12.The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

MS(KAS), O/o MEMBER SECRETARY-TSPCB

**KRISHNA ADITYA SRIRAMSETTI,**  
Signed by Krishna Aditya

Sriramsetti  
MEMBER SECRETARY  
Date: 19-10-2023 16:39:12

Reason: Approved

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.

  
**SENIOR ENVIRONMENTAL ENGINEER**  
Telangana State Pollution Control Board,  
Paryavaran Bhavan, A-3, Industrial Estate,  
Sanathnagar, Hyderabad-500 018.

SENIOR ENVIRONMENTAL ENGINEER  
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