



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada - 520 010
Phone. No.0866-2436217, Website : www.appcb.ap.nic.in

AUTO RENEWAL OF CONSENT AND AUTHORISATION ORDER FOR OPERATIONS 121

In response to your application dated 28.08.2017 for Auto Renewal of Consent for Operation & Hazardous waste Authorisation Order, the Board is hereby extending validity period of Consent and Authorisation order issued vide Order APPCB/VSP/RJY/356/HO/CFO/2014- 687 dated 04.12.2014 and valid upto 31.12.2017, for further period of 5 (five) years i.e., upto 31.12.2022 under Sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under Sec on 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016.

1. All other conditions mentioned in Schedules A, B & C of the combined CFO&HWA order issued by the Board vide order dated 04.12.2014 will remain same.
2. The industry shall comply with the standards issued by MoEF&CC / CPCB from time to time.
3. The facility shall submit the compliance report to all the stipulated conditions for Consent for Opera on for every six months i.e. on 1st of January and 1st of July of every year.
4. The facility shall ensure that dedicated fund is allotted towards Environment Relief Fund (ERF) in the Public Liability Insurance policy and submit a copy of the policy at the Regional Office: Eluru every year.
5. In case of false certification, non compliance of conditions / directions and deficiency in furnishing the information by the industry, the Board can withdraw the auto renewed consent and take action under provisions of relevant Acts & Rules.

Sd/-
MEMBER SECRETARY

Dated: 22.11.2017

To

M/s.The Andhra Sugars Ltd., (Unit -III),
R.S.No.119 to 161/2, Surappagudem (V),
Bhimadole (M),
West Godavari District
E_mail: info.tnk@theandhrasugars.com

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


25/11/17
Joint Chief Environmental Engineer
Unit Head-IV


11/2/17



[Handwritten Signature]
 13.12.14

RED CATEGORY
RENEWAL OF CONSENT & AUTHORISATION ORDER
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE



[Handwritten Signature]
 13/12/14

Consent Order No : APPCB/VSP/RJY/356/HO/CFO/2014- 687

Date :04.12.2014

(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 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules 2008 & Amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21 of Air (Prevention & Control of Pollution) Act 1981 and Authorisation under the provisions of HW (MH & TM) Rules (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to

M/s.The Andhra Sugars Ltd., (Unit-III),
Surappagudem (V),
Bhimadole (M),
West Godavari District – 534 425
E-mail: info.tnk@theandhrasugars.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.	Outlet Description	Max Daily Discharge		Point of Disposal
		Crushing season	Off season	
1.	Process and Wash after Treatment	200 KLD	--	Onland for Irrigation / greenbelt in industries own farms of area of 58.8 acres.
2.	Cooling blow down	302 KLD	--	
3.	Domestic Effluents	85 KLD	15 KLD	
Total:		587 KLD	15 KLD	

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
1.	Attached to 2 x 25 TPH Boilers	---
2.	Attached to 1x40 TPH Boiler	--
3.	Attached to 1000 KVA D.G. Set	--
4.	Attached to 380 KVA D.G. Set	--

iii) HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule 5 (4)]:

M/s. The Andhra Sugars Ltd., (Unit-III), Surappagudem(V), Bhimadole (M), West Godavari District., is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• **HAZARDOUS WASTES WITH RECYCLING OPTION:**

S. No.	Name of the Hazardous Waste	Stream	Quantity of Hazardous Waste	Disposal Option
1.	Waste oil	5.1 of Schedule – I	750 LPA	Authorised reprocessors / recyclers.

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

S.No.	Product	Quantity
1.	Sugar	765 TPD
2.	Electricity	9 MW
By Products		
1.	Bagasse	1760 TPD
2.	Molasses	279 TPD

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 & C** enclosed to this order.

This combined order of consent & Hazardous Waste Authorisation shall be valid for a period ending with the **31st day of December 2017.**

Sd/-
MEMBER SECRETARY

To
M/s.The Andhra Sugars Ltd., (Unit-III),
Surappagudem (V),
Bhimadole (M),
W.G.District – 534 425

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**JOINT CHIEF ENVIRONMENTAL ENGINEER
UNIT HEAD - IV**

SCHEDULE - A

- The applicant shall make applications **through online** for renewal of Consent (under Water and 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 along with detailed compliance to the conditions stipulated in the CFO and HWA.
- 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 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.
- All other conditions stipulated in the Schedule – A of the earlier combined CFO & HWA order No: **APPCB/VSP/RJY/356/HO/CFO/2011-3135, dated 01.03.2011**remains same. The industry shall ensure consistent compliance of each condition of Schedule-A.
- The industry may explore the possibility of tapping the solar energy for their energy requirements.

SCHEDULE - B

- The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below.

Outlet	Parameter	Limiting Standards
1.	p ^H	6.5 – 8.5

Suspended Solids	100 mg/l
Total Dissolved Solids (TDS)	2100 mg/l
Oil and Grease	10 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	30 mg/l
Chemical Oxygen Demand	250 mg/l

2. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

S.No	Purpose	Quantity	
		Crushing Season	Off Season
1 & 2	Process and Washings	225 KLD	--
3.	Industrial Cooling (Makeup) / Humidification / Water spraying).	199	--
4.	Domestic	100	20 KLD
	Total	524	20 KLD

The industry shall maintain separate water meters for the above areas and maintain records.

- 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.
- The industry shall take efforts effectively to ensure that in no case the treated or untreated effluent or agriculture / storm water run-off joins the Bulusuvagu or any other such water course that joins Kolleru lake.
- The industry shall not discharge any wastewater outside the factory premises and shall maintain zero discharge of effluents.
- The industry shall maintain piezometric wells around green belt area for the purpose of monitoring ground water quality and shall regularly monitor the ground water quality & furnish consolidated reports on trend analysis to RO, Eluru every three months.
- The industry shall evaporate high TDS effluents i.e., weak caustic solution generated at the end of the sugar crushing season.
- The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Parameter	Emission Standards
1 & 2	Particulate matter	100 mg/Nm ³

- 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 shall 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 PM10 (Particulate Matter size less than 10µg) - 100 µg/ m³; PM2.5 (Particulate Matter size less than 2.5 µg) - 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).

- The industry is not permitted to use wood in any form as fuel in the boiler.
- The industry shall not increase the capacity beyond the permitted capacity mentioned in this order.
- The industry shall maintain green belt of minimum area of 33% of total area in and around the industry.
- The industry should maintain the following records and the same should be made available to the Board Officials during the inspection.

- a. Daily production details, RG-I records and Central Excise Returns.
 - b. Log Books for pollution control systems.
 - c. Effluents generated, treated and disposed.
15. The industry shall maintain separate flow meters for assessment of actual water consumption, treated effluents disposed for use in wet scrubbers and used for Onland for irrigation. The consolidated records showing the details of flow meter readings of treated effluents disposed for each purpose shall be furnished to RO, Eluru by end of every crushing season.
 16. The industry shall comply with the Task Force directions issued by the Board from time to time.
 17. The applicant shall submit Environment statement in Form V before 30th September of every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
 18. The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.

SCHEDULE - B

[see rule 5(4)]

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

1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.
3. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.
4. The industry shall not dispose Waste oils to the traders and the same shall be disposed to the authorized Reprocessors/ Recyclers.
5. The industry shall dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.
6. The industry shall take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
7. The industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.
8. The industry shall maintain good house keeping & maintain proper records for Hazardous Wastes stated in Authorisation.
9. 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 22(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and amendments thereof.
10. The industry shall dispose of e-waste to the authorised recyclers only.
11. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

Sd/-
MEMBER SECRETARY

To
M/s.The Andhra Sugars Ltd., (Unit-III),
Surappagudem (V), Bhimadole (M), W.G.District – 534 425

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

W.S.
9/12/14.

* **JOINT CHIEF ENVIRONMENTAL ENGINEER**
UNIT HEAD - IV



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010
Phone. No.0866-2463200, Website : www.appcb.ap.nic.in

AMENDMENT TO THE CFO & HWA ORDER

Consent Order No : APPCB/VSP/RJY/356/CFO/HO/2018- 06/11/2018

**Sub: APPCB - CFO - M/s.The Andhra Sugars Limited, Unit-III,
Surappagudem (V), Bhimadole (M), West Godavari District –
Amendment to CFO order-Reg.**

- Ref:** 1. CFO Order No. APPCB/VSP/RJY/356/HO/CFO/2014-687 dated 04.12.2014.
2. Auto renewal order dated 22.11.2017 upto 31.12.2022.
3. MoEF &CC G.S.R. 35(E), Dt:14.01.2016
4. Industry's request letter dated 21.08.2018
5. RO, Eluru report dated 30.08.2018
6. CFO Committee meeting held on 23.10.2018.

* * *

1. The Board vide reference 1st cited issued CFO & HWA to M/s. The Andhra Sugars Limited, Unit-III, and vide reference 2nd cited extended the validity upto 31.12.2022 through auto renewal, to manufacture sugar - 765 TPD and Electricity -9 MW.
2. The condition no.1 & 8 stipulated under Schedule -B of CFO order is as follows:

" 1. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below.

Outlet	Parameter	Limiting Standards
1.	pH	6.5 - 8.5
	Suspended Solids	100 mg/l
	Total Dissolved Solids (TDS)	2100 mg/l
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand (3 days at 27 ⁰ C)	30.mg/l
	Chemical Oxygen Demand (COD)	250 mg/lt

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

Chimney No.	Parameter	Emission Standards
1 & 2	Particulate matter	100 mg/Nm ³ "

3. The industry vide reference 4th cited, has requested for amendment of Treated Effluent and Boiler Stack Emission Standards as per the MoEF&CC Gazette Notification G.S.R. 35(E), dated 14.01.2016 regarding revised effluent discharge standards and emission standards for the sugar manufacturing units.
4. The issue was placed in the CFO Committee meeting held on 23.10.2018. After detailed discussions on verification report of the EE, RO: Eluru, agenda and

submissions of the representatives of the industry, the committee recommended to issue Amendment to the CFO & HWA order dt: 04.12.2014 for changing the effluent discharge standards and quantity as per the G.S.R. 35(E), dated 14.01.2016 issued by the MoEF&CC with the conditions.

5. The Board after careful examination of the industry's request, remarks of the Regional Officer and recommendation of the CFO Committee, hereby issuing amendment to CFO order dated 04.12.2014 issued vide reference 1st cited under Sec.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under Sec.21 of the Air (Prevention and Control of Pollution) Act, 1981 and amendments thereof as following:

Condition No. 1 & 8 of the Schedule - B shall be read as below:

"1. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards
1 & 2	pH	5.5 - 8.5
	Total Suspended Solids (TSS at 103 - 105 ⁰ C)	100 mg/l
	Biochemical Oxygen Demand (3days at 27 ⁰ C)	100 mg/l
	Oil and Grease	10 mg/l
	Total Dissolved Solids	2100 mg/l
	Final waste water discharge limit	200 lt per tonne of cane crushed

Final treated effluent discharge shall be restricted to 100 litre per tonne of cane crushed and waste water from spray pond overflow or cooling tower blow down to be restricted to 100 litre per tonne of cane crushed and only single outlet point from unit is allowed."

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

Chimney No.	Parameter	Emission Standards
1 & 2	Particulate matter	115 mg/Nm ³

Additional Conditions:

- a. The industry shall establish cooling arrangement and polishing tank for recycling the excess condensate water to process or utilities or allied units.
 - b. Effluent Treatment Plant to be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.
 - c. During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined pond having 15 days holding capacity only.
 - d. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
 - e. Suitable air pollution control devices to be installed to meet the particulate matter emission standard.
 - f. The industry shall not discharge any waste water outside the industry premises and entire treated waste water shall be used for onland irrigation duly meeting the standards stipulated. "
6. All other conditions mentioned in Schedules A, B & C of the combined CFO &HWA order issued by the Board vide reference 1st cited & 2nd including the validity i.e., 31.12.2022 will remain same.

VIVEK YADAV IAS
MEMBER SECRETARY

To
M/s.The Andhra Sugars Ltd., (Unit-III),
Surappagudem (V),
Bhimadole (M),
W.G.District - 534 425

Copy to:

1. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
2. The Environmental Engineer, Regional Office, Eluru for information and necessary action.