

AMENDMENT TO THE CFO & HWA ORDER

Consent Order No : APPCB/VSP/RJY/147/CFO/HO/2018-

06/11/2018

Sub: APPCB - CFO - M/s.The Andhra Sugars Limited, Unit-II, R.S.No.271- 279, 295 & 296, Tduvai (V), Jangareddygudem (M), West Godavari District – Amendment to CFO order-Reg

Ref: 1. CFO Order No. APPCB/VSP/RJY/147/HO/CFO/2015-1057 dated 12.01.2015.
2. Auto renewal order dated 28.08.2017 upto 30.11.2022

3. MoEF &CC G.S.R. 35(E), Dt:14.01.2016.
4. Industry's request letter dated 20.08.201
5. RO, Eluru report dated 30.08.201
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-II, and vide reference 2nd cited extended the validity upto 30.11.2022 through auto renewal, to manufacture sugar - 715 TPD; sugar cane crushing - 5500 TCD and power - 80,000 KWH/day.

2. The condition no.1 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 & 2	pH	6.5 - 8.5
	Total Suspended Solids (TSS at 103 - 105 ⁰ C)	100 mg/l
	Total Dissolved Solids	2100 mg/l
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand (BOD 3 at 27 ⁰ C)	30 mg/l"

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: 12.01.2015 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. The committee also recommended that the industry shall maintain the SPM emission standard of 115 mg/Nm³ for the boiler.

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 12.01.2015 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 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."

Additional Conditions:

- The industry shall establish cooling arrangement and polishing tank for recycling the excess condensate water to process or utilities or allied units.
- 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.
- During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined pond having 15 days holding capacity only.
- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- Suitable air pollution control devices to be installed to meet the particulate matter emission standard.
- 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. "

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., 30.11.2022 will remain same.

VIVEK YADAV IAS
MEMBER SECRETARY

File No.APPCB/VSP/RJY/147/CFO/HO/2017

To
M/s. The Andhra Sugars Ltd., Unit-II
R.S. No. 271-279, 295 & 296
Taduvai Village, Jangareddygudem Mandal,
West Godavari District.

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.

Signature valid

Digitally signed by VIVEK
YADAV
Date: 2018.11.06 12:58:39 IST
Reason: Approved



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada - 520 008
Phone. No.0866-2436217, Website : www.appcb.ap.nic.in

AUTO RENEWAL OF CONSENT AND AUTHORISATION ORDER FOR OPERATIONS

In response to your application dated 28.07.2017 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/147/CFO/HO/2015-1057, dated 12.01.2015 and valid upto 30.11.2017, for further period of 5 (five) years i.e., upto 30.11.2022 under Sections 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 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 12.01.2015 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 Operation 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: 28.08.2017

To

M/s. The Andhra Sugars Ltd., Unit-II
R.S. No. 271-279, 295 & 296
Taduvai Village,
Jangareddygudem Mandal,
West Godavari District-534447
E_mail: info.tnk@theandhrasugars.com

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

K. Lakshmi
Joint Chief Environmental Engineer
Unit Head-IV





ANDHRA PRADESH POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-III, Industrial Estate,
Sanathnagar, Hyderabad-500 018
Phone : 040-23887500, Website : www.appcb.ap.nic.in

Handwritten signature and date: 20/1/15

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

Consent Order No : APPCB/VSP/RJY/147/CFO/HO/2015- 1057

Date :12.01.2015

(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-II

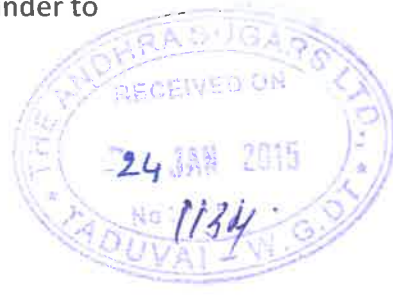
R.S. No. 271-279, 295 & 296

Taduvai Village,

Jangareddygudem Mandal,

West Godavari District-534447

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
1.	Process and Wash (200 KLD) + Cooling and Boiler Blow Down (340 KLD)+ DM Plant Regeneration Effluents (10KLD)	550 KLD	Onland for Irrigation after treatment in ETP.
2.	Domestic Effluents	100 KLD	Onland for plantation after treatment in STP.

ii)Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
1.	Attached to 2 x 45 TPH Water Tube Boilers (Bagasse based)	1,47,000 m ³ /hr/Boiler
2.	Attached to 1000 KVA D.G. Set	--
3.	Attached to 750 KVA D.G. Set	--
4.	Attached to 75 KVA D.G. Set	--

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

M/s. The Andhra Sugars Ltd., (Unit-II), Taduvai (V), Jangareddygudem (M), W.G. 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 RECYCLABLE OPTION:

S. No	Name of the Hazardous waste	Stream	Quantity	Disposal Option
1.	Waste Oil	5.1 of Schedule - I	650 LPA	Authorised Reprocessors / Recyclers.

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

S.No.	Product	Quantity
1.	Sugar Cane Crushing	5500 TCD
2.	Sugar	715 TPD
3.	Power	80,000 KWH/Day
By-Products		
1.	Final Molasses	275 MTD
2.	Bagasse	1760 T/day
3.	Filter cake	220 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 30th day of November, 2017.

Sd/-
MEMBER SECRETARY

To
M/s. The Andhra Sugars Ltd., Unit-II
R.S. No. 271-279, 295 & 296
~~Taduvai~~ village,
Jangareddygudem Mandal,
West Godavari District.

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

Kulap
19/11/15

[Signature] JOINT CHIEF ENVIRONMENTAL ENGINEER
UNIT HEAD - IV

SCHEDULE – A

1. 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.
2. 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.
3. All other conditions stipulated in the Schedule – A of the earlier combined CFO & HWA order No: **APPCB/VSP/RJY/147/HO/W&A/2008-334, dated 01.05.2008** remain same. The industry shall ensure consistent compliance of each condition of Schedule-A.
4. The industry may explore the possibility of tapping the solar energy for their energy requirements.

SCHEDULE - B

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

Outlet	Parameter	Limiting Standards
1 & 2	pH	6.5 – 8.5
	Total Suspended Solids (TSS at 103 – 105 ⁰ C)	100 mg/l
	Total Dissolved Solids	2100 mg/l
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand (BOD 3 at 27 ⁰ C)	30 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
1.	Process and Washings	75 KLD
2.	Cooling & Boiler makeup	405 KLD
3.	Sanitary	100 KLD
	Total	580 KLD

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

3. 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.
4. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

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

5. 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.

6. The industry shall comply with ambient air quality standards of PM₁₀(Particulate Matter size less than 10 μm) - 100 μg/ m³; PM_{2.5}(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),

7. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order.
- 8. The industry shall install and commission Sewage Treatment Plant of 120 KLD capacity for treatment of domestic effluents within four months report the compliance to RO, Eluru.**
9. The industry shall maintain CAAQM stations to monitor SO₂., NO_x, Cl₂, HCl and RSPM with networking facility to the Board Office and report the compliance to RO, Eluru in 4 months.
10. The industry shall not discharge any effluents into natural drains / ponds. Treated effluents shall be used for irrigation of industry's own land.
11. The industry shall maintain Online monitoring station for stack with connection to the Board.
12. The industry shall maintain separate water meters with necessary pipeline for assessing the quantity of water used for each of the purposes mentioned below.
- Industrial cooling, boiler feed.
 - Domestic purposes.
 - Processing, whereby water gets polluted and pollutants are easily biodegradable.
 - Processing, whereby water gets polluted and pollutants are not easily biodegradable.
13. The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection.
- Daily production details, RG-I records and Central Excise Returns.
 - Quantity of Effluents generated and utilized for irrigation / plantation.
 - Log Books for pollution control systems.
 - Daily solid waste generated and disposed as manure.
15. The industry shall half yearly monitor the soil and ground water quality in and around the plant and in the greenbelt area to ensure that there is no ground water pollution. The industry shall submit half yearly monitoring reports to the RO, Eluru.
16. The industry shall maintain greenbelt in an area of 26.3 Hectares in and around the industry.
17. The industry shall comply with following solid waste disposal methods:

S. No	Name of the Hazardous waste	Quantity	Disposal Option
1.	ETP sludge	15 TPA	Shall be used as manure.

18. The industry shall comply with directions issued by Board from time to time.
19. 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.
20. The conditions are stipulated without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.

SCHEDULE - C

[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 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.
11. The industry shall dispose of e-waste to the authorised recyclers only.

**Sd/-
MEMBER SECRETARY**

**To
M/s. The Andhra Sugars Ltd., Unit-II
R.S. No. 271-279, 295 & 296
Taduvai Village,
Jangareddygudem Mandal,
West Godavari District.**

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

19/11/15

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