



RED CATEGORY  
CONSENT & AUTHORIZATION ORDER  
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

Consent Order No : APPCB/VSP/ELR/328/HO/CFO/2017-

Date: 12.01.2017

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 Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s.The Andhra Sugars Limited  
(Power Division),  
Saggonda (V),  
Goapalapuram (M),  
West Godavari District  
E-mail: info.kvr@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.	Boiler blow down - 61 KLD Cooling bleed off - 46 KLD Clarifier blow down - 60 KLD RO reject - 104 KLD	271 KLD	Dust suppression (81 KLD), Ash handling (50 KLD), greenbelt development (140 KLD).
2.	Domestic effluent	16 KLD	Septic tank followed by soak pit

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m <sup>3</sup> /hr)
1	Attached to 160 TPH Coal fired Boiler	--
2	Attached to 1 x 400 KVA DG Set	--

iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:

M/s.The Andhra Sugars Limited, (Power Division), Saggonda (V), Goapalapuram (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:

Sl. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1.	ETP Sludge	35.3 of Schedule - I	52 TPD	Brick making & Cement manufacturing

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

Sl. No.	Name of the Products	Quantity
1	Electricity (Fuel : Imported coal)	36 MW

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 Authorization shall be valid for a period ending with the 31<sup>st</sup> day of January, 2022.

MEMBER SECRETARY

To  
M/s.The Andhra Sugars Limited  
(Power Division),  
Saggonda (V),  
Goapalapuram (M),  
West Godavari District

Copy to :

1. The Commissioner of Industries, Chirag Ali Lane, Abids, Hyderabad for information.
2. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
3. The JCEE (Cess), APPCB, Hyderabad for information.
4. The JCEE(HWM), APPCB, Hyderabad for information.
5. The Environmental Engineer, Regional Office, Eluru 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 should carryout analysis of waste water 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 should 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. Notwithstanding 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 should 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 should 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. The effluent discharged shall comply with the tolerance limits mentioned below:

Outlet	Parameter No.	Limiting Standards
1	pH	6.5 - 8.5
	Total Suspended Solids (TSS at 103 - 105°C)	100 mg/l
	Chlorides as cl-	1,000 mg/l
	Total Dissolved Solids (TDS)	2,100 mg/l
	Oil and Grease	10 mg/l
	COD	250 mg/l
	BOD	100 mg/l

2. The source of water is river Godavari. The following is the permitted water consumption:

Sl. No.	Purpose	Quantity (KLD)
1	Industrial cooling, boiler feed.	476
2	Domestic purposes.	20
3	Process, whereby water gets polluted and pollutants are easily bio degradable.	164
4	Processing, whereby water gets polluted and the pollutants are not easily bio - degradable.	--
<b>Total</b>		<b>660</b>

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for Cess assessment purpose.

**AIR POLLUTION:**

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

Chimney No.	Parameter	Emission Standards
1	Particulate matter	50 mg/Nm <sup>3</sup>

2. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m<sup>3</sup>; PM2.5 (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)

3. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. In case of DG sets of capacity 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.

**GENERAL:**

1. The industry shall inform to the Board in advance of starting the plant operation.
2. The industry shall comply all the CFE conditions vide order dated 02.09.2015 before starting operation and shall submit the compliance report 15 days in advance of commissioning.
3. The industry shall provide roof shed with required safety ventilation for storage of dusty raw materials and solid waste.
4. All the dusty raw materials and solid waste shall be accommodated under roof shed with required safety ventilation as approved by the competent authorities, there shall not by any open piling.
5. Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured from 4<sup>th</sup> year onwards. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form temporarily. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) shall be monitored in the bottom ash as also in the effluents emanating from ash pond.
6. The industry shall achieve 100% disposal of fly ash and bottom ash as per Fly ash notification issued by MOE&F, GOI vide S.O. 2804 (E) dated 03.11.2009.
7. The industry shall install online continuous stack emission monitoring system to the boiler and link the data to APPCB and CPCB servers as per CPCB directions dt.05.02.2014 & 02.03.2015.
8. The industry shall not store ash openly and shall take proper measures to avoid ash getting air borne.
9. The industry shall provide dust suppression system and water sprinklers for controlling fugitive dust during transportation, in coal storage area and other vulnerable areas of the plant and report the compliance to RO, Eluru in one month.
10. The industry shall make provision for 100% dry ash collection, handling, storage and disposal.
11. The industry shall maintain flow meters preferably Electro Magnetic flow meters with totalisers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.
12. 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.
  - c. Log Books for pollution control systems.
  - d. Characteristics of effluents and emissions.
  - e. Hazardous/non hazardous solid waste generated and disposed.

- f. Inspection book.
- g. Manifest copies of effluents / hazardous waste.
13. The industry shall take following mitigation measures to control fugitive emissions during construction and operational state:
  1. Vehicles shall be managed to avoid traffic congestions and shall provide parking facilities.
  2. Automated mechanical; water sprinklings shall be provided on roads and at dusty construction material storage areas, for suppression of dust. Mechanized handling equipment shall be used for loading and unloading operations.
  3. Vehicles shall comply with emission standards shall have valid PUC certification.
  4. Procurement of machinery / construction equipment in accordance to the specifications confirming to source noise levels of 85 dB(A).
14. The industry shall comply with all the directions issued by MoEF&CC, CPCB & Board from time to time.
15. The industry shall develop thick greenbelt in an area of 14 acres.

**SCHEDULE - C**

**[See rule 6(2)]**

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

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
3. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
4. The industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
5. The industry shall maintain proper records for Hazardous & other wastes stated in Authorization 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 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof.
6. 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.

**MEMBER SECRETARY**

**To**  
**M/s.The Andhra Sugars Limited**  
**(Power Division),**  
**Saggonda (V), Goapalapuram (M),**  
**West Godavari District**