



Member Secretary

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

**RED CATEGORY  
RENEWAL OF CONSENT & AUTHORIZATION ORDER**

**Consent Order No: APPCB/VJA/NLR/11344/CFO/HO/2018-****29/07/2018**

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 and Other Wastes (Management & Transboundary Movement) Rules, 2016 & Amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Krishnapatnam Port Company Ltd.,  
Krishnapatnam (V), Muthukur (M),  
SPSR Nellore District – 524 344, A.P.  
E-mail: info@krishnapatnamport.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          | Domestic effluents after treatment in STP | 300 KLD             | Treated water shall be used for Plantation within the premises. |

ii) Emissions from chimneys:

| Chimney No. | Description of Chimney  |
|-------------|---|
| 1           | Stack attached to 1 x 380 KVA, 2x 320 KVA, 9 x 250 KVA, 4x 160 KVA, 5 x 125 KVA, 1 x 500 KVA, 2 x 320 KVA, 4 x 82.5 KVA DG Sets |

iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. Krishnapatnam Port Company Ltd., SPSR Nellore 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 Disposal Option:**

| S. No | Name of Hazardous Waste | Stream | Quantity | Method of disposal |
|-------|-------------------------|--------|----------|--------------------|
|-------|-------------------------|--------|----------|--------------------|

|    |   |                     |              |                                     |
|----|---|---------------------|--------------|-------------------------------------|
| 1. | Waste oil/Used oil from D.G. Sets, vehicles, dredgers and other machinery | 5.1 of Schedule – I | 350 KLPA     | Authorised Reprocessors/ Recyclers. |
| 2. | Waste oil from Ships  | 5.1 of Schedule – I | 2.5 Lakh LPA |                                     |

**This consent order is valid for handling various port activities with capacities as indicated below:**

| S. No | Products   | Quantity                 |
|-------|--|--------------------------|
| 1.    | Coal   | 46.5 Million Tons/ Annum |
| 2.    | Iron Ore   | 8 Million Tons/ Annum    |
| 3.    | Fertilizers, Food Grains, Sugar, Cement & Cement Clinker, Barites, Feldspar, Edible Oils (General Cargo) | 9.0 Million Tons/ Annum  |
| 4     | Bulk Liquid Cargo (POL Berth)  | ---                      |
| 5.    | Container Cargo  | 2.0 MTEUs/ Annum         |
| 6.    | No. of Berths  | 11 Berths                |

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> October, 2023.

**VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB**

**To**

**M/s. Krishnapatnam Port Company Ltd.,  
Krishnapatnam (V), Muthukur (M),  
SPSR Nellore District – 524 344, A.P.**

**Copy to:**

1. The JCEE, ZO: **Vijayawada** for information and necessary action.
2. The JCEE (UH: II), **Vijayawada** for information.
3. The EE, RO: **Nellore** 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 shall 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 shall 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 shall 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 shall 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 industry shall comply the following effluent standards based on the disposal points permitted:

| <b>Outlet</b> | <b>Parameter</b>             | <b>Concentration</b> |
|---------------|------------------------------|----------------------|
| 1             | pH                           | 5.5 - 9.0            |
|               | Total Suspended Solids (TSS) | 1000 mg/l            |
|               | Total Dissolved Solids (TDS) | 2100 mg/l            |
|               | Oil and Grease               | 10.0 mg/l            |
|               | COD                          | 250 mg/l             |
|               | BOD                          | 100 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:

| <b>S. No</b> | <b>Purpose</b> | <b>Quantity</b> |
|--------------|----------------|-----------------|
|--------------|----------------|-----------------|

|    |  |                    |
|----|--|--------------------|
| 1. | Dust suppression                         | 1050.0 KLD         |
| 2. | Domestic                                 | 400.0 KLD          |
| 3. | Gardening / Irrigation                   | 400.0 KLD          |
| 4. | Miscellaneous (Fire protection services) | 650.0 KLD          |
|    | <b>Total</b>                             | <b>2,500.0 KLD</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.

3. The additional water quantity of 500 KLD shall be used for dust suppression measures only, as committed by the Port in the CFO meeting held on 13.08.2015.
4. The Krishnapatnam Port 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.

#### **Air Pollution:**

5. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10mm) - 100 mg/ m<sup>3</sup>; PM2.5 (Particulate Matter size less than 2.5 mm) - 60 mg/ m<sup>3</sup>; SO<sub>2</sub> - 80 mg/ m<sup>3</sup>; NO<sub>x</sub> - 80 mg/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)

6. The Port shall take all measures including latest available technologies to comply with above ambient air quality standards.
7. The Krishnapatnam Port shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.
8. Coal stack heights in all coal yards shall not be more than 12mts.
9. The industry shall ensure required wetness all the time on the surface of stock piles to avoid the dust emissions from the stock piles.
10. The industry shall install sufficient number of CAAQM stations in between the villages and the port area. The stations shall be located at the periphery of the villages to monitor all the parameters given in the consent order.
11. The Port shall link the 2<sup>nd</sup> CAAQM station to Board website within one month.
12. Unloading of iron ore from the railway wagons house should be carried out with wagon tippers only, in case, handling of iron ore is more than 6 MTPA. As and when iron ore handling is to be done intermittently, it should be handled with water sprinkling system at high pressure with swiveling type nozzles operated regularly to cover entire stockpile. Nozzles shall be operated along stockpile at regular Intervals to cover stockpile height and width.

#### **General:**

13. The MDSS system shall be in operation wherever the stock of any bulk material (Dusty cargo) is piled in a way to ensure wetness on the surface of stock piles.

14. As regards to deviation in location of facilities such as stock piles and other facilities, from the originally envisaged plan, amendments for the EC and CFE have to be obtained immediately.
15. In no case the Hazardous chemicals shall be handled openly in the Port either from or into the ship. Hazardous Chemicals if any shall be handled only in closed containers. Hazardous chemicals / cargo shall not be stored in CRZ area.
16. The port shall maintain the existing green belt with adequate width and density and in vacant places.
17. The Krishnapatnam Port shall use road sweeping machines to clean all port internal roads regularly.
18. The Krishnapatnam Port shall ensure that the trucks transporting cargos to outside the port shall be covered with tarpaulin to avoid fugitive emissions / spillages.
19. All conveyor belts and other transfer points shall be covered with GI sheets to mitigate fugitive emissions generated during conveying of dusty cargos.
20. The Krishnapatnam Port shall maintain water sprinklers for effective control of fugitive emissions generated during handling of cargo and increased volume of vehicular traffic.
21. The industry shall maintain Mechanical Dust Suppression System (MDSS) for stock yards, dusty cargo berths and conveyor belts.
22. The Port shall develop and maintain 100 m width greenbelt along the periphery & 20 m width around coal & iron ore stack yards.
23. The Krishnapatnam Port shall maintain empty dusty cargo vehicles washing system to clean dusty cargo empty vehicles.
24. The Krishnapatnam Port shall record the energy consumption for the energy meters provided for Sewage Treatment Plant (STP), pump houses to water sprinklers / dust suppression measures and Air Pollution Control Equipments (APCE).
25. The Krishnapatnam Port shall not allow any hazardous wastes through the port other than waste oil / used oil generated in the Port without prior permission of Board and shall comply with EC conditions. The Krishnapatnam Port shall not store any hazardous waste within the premises as per the time frame mentioned in HWM Rules.
26. In case a leaky container of hazardous cargo is found, a separate permission of the Board may be obtained after establishing the quality and the type of waste for disposal.
27. All types of the fertilizers should be stored in the closed warehouses only. The Port should ensure that there should not be any open storage of urea or any other fertilizer materials. There shall not be any effluent generation.
28. The Krishnapatnam Port shall store fuel oils used for construction equipment, vessels and vehicles in a well designed manner and protect them against fire hazards by construction of compound wall to prevent access to unauthorized elements. The surface run off from storage area shall pass through oil water separator before being discharged.
29. The Krishnapatnam Port shall provide fire detection and fire fighting facilities with adequate water storage in fire prone areas in consultation with Directorate of fire fighting.
30. The Krishnapatnam Port shall comply latest technologies for controlling fugitive emissions including the following:
  - a. Fully mechanized handling equipment for loading and unloading operations.
  - b. Closed conveyor belt with water sprinkling arrangement for suppression of dust while conveying dusty cargoes like coal, iron ore etc.,
  - c. Specially designed iron ore ship loader with necessary precautions to reduce drop height of iron ore into the ship.
  - d. Mechanical water sprinkling shall be provided on roads and at dusty cargo storage areas for suppression of dust.
31. The Krishnapatnam port shall maintain adequate number of ground water monitoring location on scientific basis and the same shall be monitored every six months.
32. The Krishnapatnam port shall construct the storm water drains to avoid the contamination of

- runoff with other effluents.
33. The Krishnapatnam port shall regularly clean the drains to avoid siltation.
  34. The Krishnapatnam port shall operate Sewerage Treatment Plant (STP) and after treatment waste water should be used for washing purposes/flushing of sewers /green belt development etc, treated sewage should not be disposed into the sea.
  35. The Krishnapatnam port shall monitor compliance through Environment Management Cell with qualified and trained staff.
  36. The Krishnapatnam Port shall maintain onsite emergency action plan after carrying out risk analysis and hazop studies.
  37. The Krishnapatnam Port shall comply with the conditions of CFE order dated 08.05.2010.
  38. The Krishnapatnam Port shall submit monthly monitoring reports to RO: Nellore.
  39. The Krishnapatnam Port shall follow the directions issued by the Board from time to time.
  40. The Port shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
  41. The Port shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1<sup>st</sup> of January and July of every year to the Regional Office/ Zonal Office.

**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 and Other Wastes (Management & 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 7 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 and Other 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 & Transboundary Movement) Rules, 2016.

**VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB**

**To**

**M/s. Krishnapatnam Port Company Ltd.,  
Krishnapatnam (V), Muthukur (M),  
SPSR Nellore District – 524 344, A.P.**