



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.pcb.ap.gov.in

RED CATEGORY
RENEWAL OF CONSENT & AUTHORISATION ORDER

Consent Order No : APPCB/VSP/VSP/45/CFO/HO/2020-

17/09/2020

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. Vizag General Cargo Berth Private Limited,
GCB & East Yards of
M/s. Visakhapatnam Port Trust,
Visakhapatnam, Andhra Pradesh
E-mail: CSateesh.Kumar@vedanta.co.in

(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) Out lets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge KLD	Point of Disposal
1)	Domestic Effluents	10.00 KLD	Shall be treated in STP, the treated waste water shall be used for green belt development / toilet flushing/ dust suppression.

ii) Emissions from chimneys:

Sl.No.	Source of Pollution	Flow rate in m3/hr
1.	1 X 500 KVA, 1 X 100 KVA & 1 X 15 KVA DG Sets	----

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

M/s. Vizag General Cargo Berth Private Limited, GCB & East Yards of M/s. Visakhapatnam Port Trust, Visakhapatnam 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.	Used spent oil	5.1 of Schedule - I	18 KL/ Annum	Authorised Reprocessors/ Recyclers.

This consent order is valid for handling cargo with capacity mentioned below:

S.No.	Activity	Capacity
1.	Cargo Handling of Coking coal and steam coal at General Cargo Berth (GCB) & East Yard, Outer Harbor of M/s. Visakhapatnam Port Trust, Visakhapatnam	10.18 Million Metric Tons per Annum, which includes 4.58 Million TPA of permitted capacity of M/s VPT vide CFO order dated 11.05.2017.

The cargo handling shall be done by completely mechanized operations. No manual handling of cargo is permitted.

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 July, 2025.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To

**M/s. Vizag General Cargo Berth Private Limited,
GCB & East Yards of
M/s. Visakhapatnam Port Trust,
Visakhapatnam**

Copy to:

1. The JCEE, APPCB, Zonal Office, Visakhapatnam for information and necessary action.
2. The Environmental Engineer, APPCB, Regional Office, Visakhapatnam 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 carry-out 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 signboards (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 industry 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 ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the 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.
 10. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
 11. The industry may explore the possibility of tapping the solar energy for their energy requirements.

SCHEDULE - B

1. The facility shall monitor the coal heaps through CC cameras, and water sprinkling shall be carried out as and when dust generation is noticed, and the stacking height of the coal/ dusty cargo shall not exceed 10 m.
2. The facility shall cover all the coal cargo stacks with tarpaulins and shall ensure that at-least 80% of coal stack yard exists without tarpaulin cover until the stock is cleared / transferred. The MDSS shall be kept in operation effectively for fugitive dust suppression during transit handling of dusty cargo.

Water Pollution:

2. The effluent discharged shall comply with the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards (mg/l except for pH)
1.	pH	5.50 - 9.00
	Total Suspended Solids (TSS at 103 - 105 ⁰ C)	<100.00
	Biochemical Oxygen Demand (BOD ₃ at 27 ⁰ C)	30.00
	Fecal coliform (FC) (Most Probable Number per 100 milliliter, MPN/100 ml)	<1000

3. The Vizag General Cargo Berth Private Ltd., 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.	MDSS	700 KLD
2.	Domestic	50 KLD
	Total	750 KLD

Air Pollution:

4. The Vizag General Cargo Berth shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10 micro gram) - 100 micro gram / m³; PM_{2.5} (Particulate Matter size less than 2.5 micro gram) - 60 micro gram / m³; SO₂ - 80 micro gram / m³; NO_x - 80 micro gram / m³, outside the industry 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

General:

5. The Vizag General Cargo Berth shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.
6. The Packaged Sewage Treatment Plant (STP) shall be operated regularly.
7. The facility shall operate dry fogging system regularly the dust emission system connected to silos in the wagon loading yard.
8. Following measures for controlling fugitive emissions shall be carried out continuously.
- Fully mechanized handling equipment for loading & unloading operations.
 - Closed conveyor belt with water sprinkling arrangement for suppression of dust while conveying dusty cargos like cooking coal and steam coal.
 - No Vehicle movement is allowed except during break down of the mechanized system.
 - Traffic congestion shall be avoided.
 - All cargo vehicles moving out from the Vizag General Cargo Berth shall be passed through vehicle wash area.
 - Automated mechanical water sprinkling shall be provided on roads and at dusty cargo storage areas, for suppression of dust.
 - All the vehicles involved in transportation of cargo during the break downs shall be covered with tarpaulin and also ensure to manage vehicles
 - Automated mechanical water sprinkling shall be provided on roads and at dusty cargo storage areas, for suppression of dust.
9. The facility shall restrict the cargo movement by Road to 1 MMTPA with the following conditions as stipulated in the earlier CFO amendment Order dated 26.05.2014 with the following conditions:
- The movement of cargo trucks does not constitute change in the project profile submitted for the purpose of obtaining EC dated 01.09.2009 as committed by industry. In case, any deviation in the project profile is observed, the same shall be brought to the notice of MoEF by M/s. VGCBPL through M/s. VPT under intimation to APPCB.
 - The truck movement shall be through a dedicated M/s. VPT service road meant for truck movement located at Southern end of the stack yard to avoid movement of trucks closer to residential areas.
 - The trucks shall be fully covered with tarpaulin while plying with cargo on

- the roads.
- d. Fugitive emission levels on account of truck movement, if any, shall be measured with due comparison with base-line AAQ data prior to commencement of truck movement and submit report to Board.
 - e. The port shall comply with their commitments submitted vide letters dated 21.04.2014 and 19.05.2014.
10. There shall not be any truck loading / movement in the GCB. The truck movement shall be through a dedicated M/s. VPT service road meant for truck movement located at Southern end of the stack yard to avoid movement of trucks closer to residential areas.
 11. Following measures shall be taken to control dust emissions at various dust generating sources such as:
 - a. At Ship unloader - Fixed cone nozzles shall be operated at receiving hoppers.
 - b. At Belt Transfer Points (in Transfer Towers) - Fixed nozzles at regular intervals, mounted on skirt area for water sprinkling on discharge hoods of conveyors.
 - c. At Stock yard - Water sprinkling system at high pressure with swiveling type nozzles shall be operated regularly to cover entire stockpile. Nozzles shall be operated along stockpile at regular intervals to cover stockpile height and width. In other areas of stockpiles, two sprinklers at a time shall be operated sequentially to control dust generation due to winds.
 - d. At Rapid loading system - fixed cone nozzles shall be installed, at regular intervals, at discharge point of shuttles conveyor on Rapid loading system.
 12. The facility shall maintain adequate number of silos at rapid wagon loading system with proper pollution control system.
 13. All the transfer points, loading / unloading points and conveyer systems shall be housed completely with leak proof arrangements.
 14. Fire detection and fire fighting facilities with adequate water storage facility shall be maintained in fire prone area in consultation with Directorate of Fire Firefighting.
 15. Measures incorporated in onsite & offsite Disaster Management plan shall be implemented. Mock drills shall be conducted atleast twice a year and modifications required if any shall be incorporated in Disaster Management Plan.
 16. The following rules and regulations notified by the MOE&F, GOI shall be implemented:
 - a. Hazardous Waste Management Rules, 2016.
 - b. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - c. Batteries (Management & Handling) Rules, 2010.
 - d. E-Waste (Management & Handling) Rules, 2012.
 17. The conveyor of 2.5 Km length shall be completely cladded with leak proof arrangements.
 18. The trucks shall be fully covered with tarpaulin while plying with cargo on the roads.
 19. Greenbelt shall be maintained around the coal stockyards and along boundary to prevent fugitive dust.
 20. The Port shall comply with their commitments submitted vide their letters dated 21.04.2014 and 19.05.2014.
 21. The stacking height of Coking coal and steam coal shall not be more than 10 meters.
 22. The Vizag General Cargo Berth Pvt. Ltd., shall comply with all the directions issued by the Board from time to time.

- 23.The Vizag General Cargo Berth Pvt. Ltd., shall not allow any hazardous wastes through the port.
- 24.The Vizag General Cargo Berth Pvt. Ltd., shall not store any hazardous cargo containers within premises.
- 25.The Vizag General Cargo Berth Pvt. Ltd., shall submit monthly monitoring reports to Board Office under copies to Regional Office and Zonal Office, Visakhapatnam.
- 26.The Vizag General Cargo Berth Pvt. Ltd., shall comply with all after conditions stipulated in the CFE order dated 11.01.2011 & 19.02.2012 and CFO amendment order dated 26.05.2014.
- 27.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.
- 28.The conditions stipulated are without prejudice to the rights and contentions of this Board, in any Hon'ble Court of Law and further order of the Hon'ble High Court of A.P.
- 29.The industry shall inventorize the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity / toxicity / flammability / explosive stored/handling in the premises as defined in the Management of Storage, Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the details shall be furnished to the Factories Department / Dock Safety Inspectorate and to the Regional Office, APPCB on monthly basis duly certifying the same.
- 30.The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment and the details shall be furnished to the Factories Department / Dock Safety Inspectorate and to the Regional Office, APPCB time to time duly certifying the same by the industry. Further the industry shall extend training to the working personnels while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989.
- 31.The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department/Dock Safety Inspectorate to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.
- 32.The industry shall carryout calibration of safety equipments and leak detection systems at regular intervals and shall certify the same with the Factories Department/ Dock Safety Inspectorate. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.

SCHEDULE - C

[see rule 6(2)]

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

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible

scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

Specific Conditions:

10. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
11. The industry shall not store hazardous waste for more than 180 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
12. The industry shall store Used / Waste Oil in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
13. 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.
14. 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.
15. The industry shall inventorize the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on monthly basis duly certifying the same by the industry.
16. The industry shall submit the self certification on compliance of all the conditions stipulated in the CFO & HWA order.
17. Annual return shall be filed by June 30th for the period ending 31st March of the year.

The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB

To

M/s. Vizag General Cargo Berth Private Limited,
GCB & East Yards of

M/s. Visakhapatnam Port Trust,
Visakhapatnam - 530 035