



**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.pcb.ap.gov.in

**CONSENT ORDER FOR ESTABLISHMENT**

**Order No: 489 /APPCB/CFE/RO-VSP/HO/2020**

**15/02/2020**

Sub: **APPCB – CFE - M/s. Visakhapatnam Port Trust, - Enhancement of Cargo Handling, Petroleum, Oils & Lubricants (POL Products) From 3.28 MTPA to 9.81 MTPA by Modernization And Creation Of New Facilities for Oil Refinery-I (OR-I) & Oil Refinery-II (OR-II) berths at Visakhapatnam Port – Consent for Establishment (CFE) of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.**

- Ref:
1. EC & CRZ clearance order dt. 07.03.2019 for expansion OR-I & OR-II berths issued by MoEF & CC, Gol, New Delhi.
  2. CFE application received on 17.01.2020 through single desk portal.
  3. R.O's inspection report dt. 10.02.2020.
  4. CFE Committee meeting held on 12.02.2020

- In the reference 2<sup>nd</sup> cited, an application was submitted to the Board seeking Consent for
1. Establishment (CFE) for expansion of Cargo Handling, as mentioned below, with an additional project cost of 161.55 Crores.

**As per CFE Order dt. 18.12.2017:-**

Existing as per CFO dt. 11.05.2017	Exp of WQ-7 & WQ-8 berths
Handling cargo of 34.1 Million MT / Annum, in inner harbour (EQ 1 TO EQ 7 berths, WQ 1 TO WQ 5 berths, OR 1. & OR 2 berths and fertilizer berth) and outer harbour (OSTT, NOM, LPG BERTH AND MPB)	Handling of <b>additional cargo of 6.39 MTPA</b> by Developing West Quay North (WQ – 7 & WQ – 8) berths with fully mechanized handling facilities for handling bulk cargo on DBFOT basis such as Gypsum, bauxite, other dry bulk cargo (excluding all types of coal, coke and finished fertilizers), ore (other than iron ore), etc.

**Proposed Expansion of OR-I & OR-II berths:**

**Enhancement of Cargo Handling, Petroleum, Oils & Lubricants (POL Products) from 3.28 Million TPA to 9.81 Million TPA by modernization and creation of new facilities for Oil Refinery berth-I (OR-I) & Oil Refinery berth -II (OR-II).**

**Salient features of the project:**

- i. There is no additional land acquisition for the expansion project.
- ii. The existing OR-I – OR-II berths, located in the western part of inner harbor, were constructed in 1957 and are of monolithic construction. The available draft at these berths 10.5 m at present. At present, the existing berths are handling Naphtha, MS, SRO, AIT, HSD, LDO, FO, LSHS, HSD.
- iii. In this proposal, the existing berths will be demolished. New OR-1 and OR-II with facilities will be constructed. Additional berth of length 180 m in between fertilizer berth and OR-II will be constructed. Protection wall of length 30 m will be constructed at end of OR-1 berth on sea side. The western arm channel will be widened by 12m

- along the alignment of the proposed new development.
- iv. The development is planned to operate one handymax and one Panamax vessel. The length of additional berth is required as 180 m. Overall length of proposed berth is 606 m. (OR-1+ Extension of OR1 + OR II + additional Berth (i.e., 183+60+183+180 = 606 m)). The new development will have dredge depth of -16.1 m to handle higher capacity vessels of upto 85,000 DWT with maximum draft of – 14.5 m.
2. As per the application, the above activity is to be located near existing OR 1 & OR 2 berths, inner harbour area, Visakhapatnam.
3. The above site was inspected by Asst. Environmental Engineer- I, Regional Office, Visakhapatnam, A.P Pollution Control Board on 07.02.2020 and found that the site is in the inner harbour of Visakhapatnam Port Trust.
4. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendation of the CFE Committee, hereby issues **CONSENT FOR ESTABLISHMENT for EXPANSION** under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activity as mentioned at para (1) only.**
5. This Consent Order now issued is subject to the conditions mentioned in Annexure.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.
7. **This order is valid for a period of 7 years from the date of issue.**

Encl: Annexure.

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

**To**

**M/s. Visakhapatnam Port Trust (Expansion),  
Port Area, (OR-I & OR-II Berths)  
Visakhapatnam  
info@vizagport.com  
vptenvironmentcell@gmail.com**

**Copy to:** 1. The JCEE, Z.O: Visakhapatnam for information and necessary action.

- 
2. The E.E., R.O: Visakhapatnam for information and necessary action.

**ANNEXURE**

1. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
2. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
3. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.

**Water:**

4. The source of water is GVMC and the maximum permitted water consumption after proposed activity is as following:

S. No.	Purpose	As per CFO order dt. 11.05.2017	As per CFE order dt. 18.12.2017 (Exp of WQ-7	Proposed exp of OR-I &OR-II berths
--------	---------	---------------------------------	--	------------------------------------

			& WQ-8 berths)	
1.	Sprinkling and dust suppression	Sewage water - 10 MLD	20 KLD	--
2.	Domestic	Fresh water – 4 L Gal/day or 4410.0 KLD or 4.410 MLD	20KLD	5.0 KLD

Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes viz., Dust suppression, Domestic purposes, Washing and servicing, Development of greenery.

S. No.	Source	As per CFO order dt. 11.05.2017	As per CFE order dt. 18.12.2017 (Exp of WQ-7 & WQ-8 berths)	Proposed exp of OR-I &OR-II berths
1.	Domestic	19.04 KLD	16 KLD	4.5 KLD
2.	Domestic Effluents from Gangullagedda and Yerrigedda after treatment	10,000 KLD	--	--

**Treatment & Disposal (As per EC order):**

Source of effluent	Treatment	Mode of final disposal
Domestic sewage	STP of 10 MLD capacity consists of Bar Screen Chamber, Aeration tank, Clarifier, Chlorination tank, Return sludge sump and Sludge drying beds.	For dust suppression purpose
Domestic effluents from Gangullagedda, Chakaligedda and Yerrigedda		

The effluent / sewage shall be treated to the on land for irrigation standards, as stipulated under Schedule VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests, Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof. The treated waste water shall be used for development of greenery, dust suppression, re-used for various purposes within the premises.

**Air:**

6. Additional DG Sets are not proposed in the expansion project.
7. **The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, Gol vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.**

**Hazardous / Solid Waste details:**

8. The Port Authority shall comply with the following w.r.t disposal of solid waste:

S. No.	Type of Waste	As per CFO order dt. 11.05.2017	As per CFE order dt. 18.12.2017 (Exp of WQ-7 & WQ-8 berths)	Proposed exp of OR-I & OR-II berths	Mode of Disposal
1.	Used lubricating oil/ Waste oil / drained oil	70 KLPA	20 KLPA	--	To authorized Re-processors / Recyclers / to the Cement industries to use as alternate fuel in the kiln.
2.	Sludge containing oil from ships	80 KLPA*	--	3000 MTPA*	
3.	Empty oil barrels	700 Nos./ year	--	--	After complete detoxification, it shall be disposed to the outside agencies.
4.	E-waste	0.5 TPA	--	--	Authorized Re-processors / Re- cyclers.

\* Quantity of sludge containing oil increases due to increase in ship traffic.

**Other Conditions:**

12. Fire detection and fire fighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with competent authorities.
  
13. Onsite & offsite Disaster Management plan shall be prepared to meet any eventuality in case of any accident. Mock drills shall be conducted atleast twice a year and modifications required if any shall be incorporated in Disaster Management Plan and shall submit to Board.
  
14. The following rules and regulations notified by the MOE&F, GOI shall be implemented.
  - a)Regulation of Persistent Organic Pollutants Rules, 2018.
  - b)Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
  - c)Plastic Waste Management Rules, 2016.
  - d)Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
  - e)Fly Ash Notification, 2016.
  - f) Batteries (Management & Handling) Rules, 2010.
  - g)E-Waste (Management) Rules, 2016.
  - h)Construction and Demolition waste Management Rules, 2016.
  - i) Solid Waste Management Rules, 2016.
  - j) The Public Liability Insurance Act, 1991

and its amendments  
thereof.

15. **The Port Authorities shall obtain necessary amendments in the EC order w.r.t project cost, water consumption and waste water generation.**
16. The Port Authorities shall obtain prior permission from MoEF&CC, Gol and APPCB for any changes in the cargo type / capacity.
17. DO levels in the sea water at the dredging area shall be monitored at regular interval and the dredging time shall be suitably regulated to prevent depletion of DO levels in the sea water.
18. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
19. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.
20. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.
21. 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 Water (Prevention and Control of Pollution)Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

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

**To**

**M/s. Visakhapatnam Port Trust,  
Port Area, (OR-I & OR-II Berths)  
Visakhapatnam  
info@vizagport.com  
vptenvironmentcell@gmail.com**