



Petronet LNG Limited

Survey No. 347, Puthuvypu P.O.

Kochi - 682 508, India.

Tel: +91-484-2502259 Fax: +91-484-2502264

www.petronetlmg.com

CIN L74899DL1998PLC093073

PAN: AAACP8148D. GST: 32AAACP8148D1ZP

PLL/KOCHI/MOEF/2020-21/08

18th November, 2020

Additional Principal Chief Conservator of Forests (C)

Ministry of Environment, Forest and Climate Change,
Regional Office (SZ),
Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road,
Koramangala II Block,
Bangalore – 560034.

Sub: Compliance report to Environment Clearance for dredging for the purpose of creating an approach channel for LNG Import Terminal at Puhuvypu, Kochi

Ref: Environment Clearance No: J-16011/26/2001-IA-III vide your letters dated 16th November, 2010

Sir

The six monthly compliance report for the above clearance is attached for the period ending 30th September 2020.

Thanking You,

With Regards

Yoganda Reddy
18-11-20



Yoganda Reddy

Chief General Manager & Vice President (Plant Head)

CC:

1) The Chief Environmental Engineer,
Kerala State Pollution Control Board,
Gandhinagar, Kochi – 682 020.



Registered & Corporate Office:

World Trade Centre, First Floor, Babar Road, Barakhamba Lane, New Delhi - 110 001 (INDIA)
Tel: +91-11-23411411 / 23472525 Fax: +91-11-23472550

Dahej LNG Terminal:

GIDC Industrial Estate, Plot No. 7/A, Dahej Taluka: Vagra, Dist. Bharuch - 392130 (Gujarat)
Tel: +91-2641-257249 Fax: +91-2641-257252

Compliance report to your order dated 16th November 2010 against Environment clearance J-16011/26/2001-IA-III for dredging for the purpose of creating an approach channel to LNG terminal at Puthuvypeen Island, Kochi, Kerala for the period April 2020 to September 2020.

SPECIFIC CONDITIONS:

- i. The total quantity of the dredged material of 35,00,000 cu. m shall be dumped at the specified offshore dumping site of Cochin Port at outer sea, about 15.6 km from the shore.
The dredging work has been completed. Material were dumped as per above direction.
- ii. The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines.
The approach channel has been clearly marked with lighted buoys in association with Cochin Port Trust. Cochin Port Trust provides Vessel Traffic Management Service (VTMS) to all vessels within port area.
- iii. The material dredged by cutter suction dredger will be used for land development work and for beach nourishment approved by Cochin Port Trust. Dredged material from Trailer Suction Dredger will be dumped at the specified offshore dumping site of Cochin Port at outer sea, about 15.6 km from the shore. The materials dredged from Cutter suction Dredger were dumped on the western side of the terminal as per the instruction of Cochin Port Trust. This area has been allocated by Cochin Port Trust for dumping.
The Dredged materials from Trailer Suction Dredger were dumped at the designated dumping site of Cochin Port Trust at outer sea, about 15.6 km from the shore.
- iv. The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
PLL has set up an Environment Management Cell under Chief General Manager & Vice President (Plant Head). Other members of the team includes Head of; Operation department, C&P (Contracts & Procurement) department, Technical department, HSE department, Civil Department, Lab operation & a representative from HR department for effectively implementing the stipulated environment safeguards. The SOP for the Environment Management Cell was revised on 01.06.2020 and the copy of the same is enclosed here as Annexure #1.
- v. The project proponent shall take up mangrove plantation/green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.
In FY 2014-2015, Petronet LNG Ltd, Kochi has arrived at an agreement with Kerala State Social Forestry Dept. for mangrove afforestation project in Ernakulum district. The total cost of the project is estimated as 71.05 lakhs. Till date, Petronet LNG Limited had spent Rs.60.00 lakh for the Mangrove Afforestation Project which is entitled as "Project for Mangrove afforestation in Ernakulam district". All details with regard to this project has already been submitted along with six monthly compliance report dated 03rd March-2015.

Latest progress report was submitted along with the compliance report dated March – 2020.

PLL has also developed a green belt along the periphery boundary wall. Green belt is about 10.48% of total area of our site.

- vi. The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purpose.

Funds earmarked for Environment Management Plan is included in the budget and it will not be diverted for other purposes.

GENERAL CONDITIONS:

- i. Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid damage to the environment.

We have completed the construction and commissioning of our plant. During both the phases, adequate provisions were provided to the workers in order to avoid any damage to the environment.

- ii. Full support shall be extended to the officers of this Ministry/Regional Office at Bengaluru by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.

PLL extend its full support to the officers of this ministry's Regional Office, Bengaluru and the officers of the Central and State Pollution Control Board during the inspection for monitoring purpose by furnishing full details and action plans including the action taken reports in respect of mitigate measures and other environmental protection activities.

- iii. A Six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.

PLL has been submitting required six monthly monitoring reports to the Regional Office of MoEF&CC, Bengaluru.

- iv. Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.

PLL will comply with additional conditions, if any suggested by the ministry or any other competent authority in writing.

- v. The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.

PLL is aware about the rights of the ministry and have noted this condition.

- vi. In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.

PLL has not carried out any deviation or alteration in the project. PLL will comply with this requirement and will take permit from the Ministry prior to any deviation, alteration and modification in the project.

- vii. The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.

PLL had already informed the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project vide letter dated 5th Sept-2008, from Director (Technical) addressed to Additional Director, MoEF & CC, Delhi and copy marked to MoEF & CC regional office.

- viii. A copy of the clearance letter shall be marked to concern Panchayat/Local NGO, if any, from whom any suggestion/representation has been made, received while processing the proposal.

No specific suggestion/representation has been made/ received from any authority while processing the proposal.

- ix. Kerala Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office/Tahsildar's office for 30 days.

Action to be taken by State Pollution control board.

Thanking You,

With Regards

Y Reddy
18-11-20

Yogananda Reddy

Chief General Manager & Vice President (Plant Head)





KOCHI LNG TERMINAL
QHSE PROCEDURE MANUAL
Environment Management Cell

Issue No:02	Doc. No: PLK/HSE/DOC/05	Reference: PLK/HSE/PM/01
Revision No:00	Effective Date: 01.06.2020	Page 1 of 7

ENVIRONMENT MANAGEMENT CELL

Prepared By / Reviewed by	Approved by	MR
 DM (HSE) / SM (HSE)	 Terminal Head	 SM (TS)



KOCHI LNG TERMINAL
QHSE PROCEDURE MANUAL
Environment Management Cell

Issue No:02	Doc. No: PLK/HSE/DOC/05	Reference: PLK/HSE/PM/01
Revision No:00	Effective Date: 01.06.2020	Page 2 of 7

REVISION HISTORY

Date of Issue	Revision / Amendment	Details	Page No
10-02-2014	Rev-00		
26-08-2016	Rev-01	Inclusion of Sr.Mgr (Operations) and Change of Head (HSE) and Head (Projects)	02
20-03-2017	Rev-02	Inclusion of Mgr.(Materials) & Mgr.(Technical)	04
03.06.2017	Rev-03	Inclusion of GM (O&M) and Ms. Selsa Rajesh name is replaced with Mr.Biju from Lab	04
01.05.2018	Rev-04	1. VP (O & M) is replaced with Sr VP (plant head) and Inclusion of Sr Officer (HR) 2. Environment management cell structure also reorganized.	04
01.06.2020	Rev-05	EMC committee members and Head (EMC) names & designations are updated	07



KOCHI LNG TERMINAL
QHSE PROCEDURE MANUAL
Environment Management Cell

Issue No:02	Doc. No: PLK/HSE/DOC/05	Reference: PLK/HSE/PM/01
Revision No:00	Effective Date: 01.06.2020	Page 3 of 7

CONTENTS

1. PURPOSE.....	04
2. SCOPE.....	04
3. Environment Management Cell.....	04
A. Members of Environment management cell.....	04
B. Structure of Environment Management cell	05
C. Roles and responsibility of Environment Management cell	06
D. Functioning of Environment Management cell.....	07
E. List of team members & designation	07



KOCHI LNG TERMINAL
QHSE PROCEDURE MANUAL
Environment Management Cell

Issue No:02	Doc. No: PLK/HSE/DOC/05	Reference: PLK/HSE/PM/01
Revision No:00	Effective Date: 01.06.2020	Page 4 of 7

1. PURPOSE:

Purpose of this document is to establish an Environment Management system to monitor all plant activities, in order to ensure that they are carried out in an environmental friendly and sustainable manner.

2. SCOPE:

This document outlines the different aspects of the Environment management system like its members, structure, roles & responsibility of committee members and mode of functioning etc.

3. ENVIRONMENT MANAGEMENT CELL:

A) Members of Environment Management Cell:

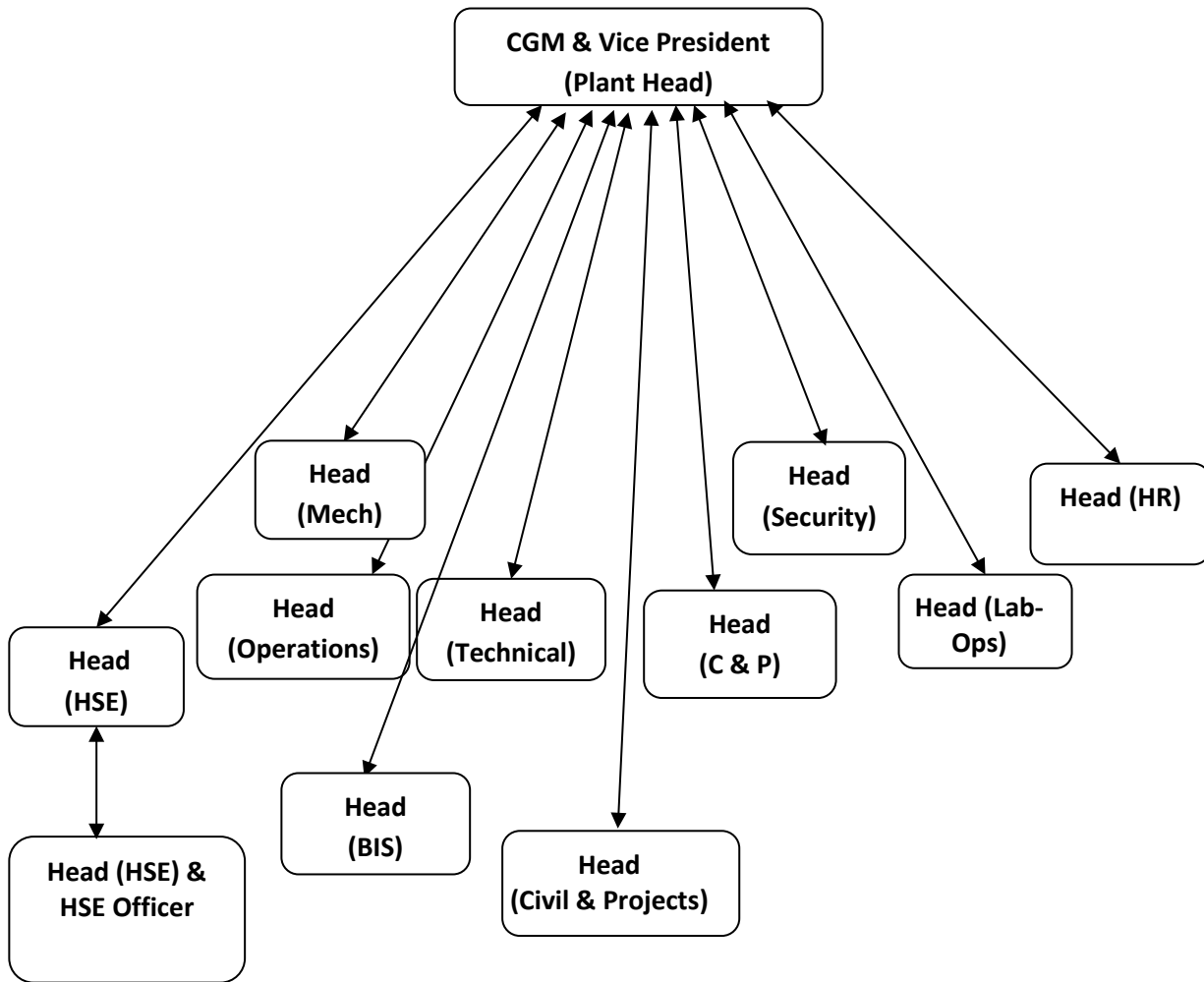
Environment management cell shall be headed by CGM & Vice president (Plant Head) and other members are Head (Operations), Head (HSE), Head (Technical), Head (C & P), Head (Lab Operations), Head (HR), Manager (HSE), Head (Mech) and Jr. Engineer (Civil &Projects); the committee shall be reporting directly to CGM & Vice president (Plant Head)




KOCHI LNG TERMINAL
QHSE PROCEDURE MANUAL
Environment Management Cell

Issue No:02	Doc. No: PLK/HSE/DOC/05	Reference: PLK/HSE/PM/01
Revision No:00	Effective Date: 01.06.2020	Page 5 of 7

B) Structure of Environment Management Cell:




Environment Management Cell

	KOCHI LNG TERMINAL QHSE PROCEDURE MANUAL Environment Management Cell	
	Issue No:02	Doc. No: PLK/HSE/DOC/05
Revision No:00	Effective Date: 01.06.2020	Page 6 of 7

C) Roles and Responsibility of Environment Management Cell:

Roles and responsibility of Environment management cell are listed below, but not limited to:

- Advice management on issues related to environment.
- Identify activities which have potential to harm environment and to suggest measures to mitigate them.
- Create awareness among employees, contractors, visitors and public regarding the importance of environment protection and means to protect it by conducting tree plantations, campaigns, training programs, posters etc.
- Develop and implement the plans in order to reduce, reuse and recycle wastes.
- Plan, develop and implement environment management projects by coordinating with different departments, government agencies, NGO etc.
- Monitor and review different environment monitoring reports of ambient air, noise, vibration, stack emission, liquid effluents, and will take measures to ensure it is well below the permissible limit prescribed by central/ Kerala state pollution control board.
- Take review of the status of solid waste, hazardous wastes, battery waste, e-waste, biomedical waste, food waste, etc. that are generated either by operation or domestic activities of our plant.
- Ensure all activities of the plant are carried out in an environmentally safe manner and as mentioned in consent to establish and operate.
- Ensure Environment related statutory compliance, i.e. MoEF&CC, CRZ clearance, CPCB and KSPCB etc.
- Ensure adequate vegetation cover in the premise by develop and maintain green belt.
- Ensure plant and its premises are kept clean from waste.
- Ensure that all liquid effluent generated as a result of operation or domestic activities of our plant should be treated well to the standard as prescribed by central/ Kerala state pollution control board before discharging.
- Take measure to prevent/minimize/control plant fugitive emission, if any.
- Ensures proper handling (collecting and segregating), storage and disposal of hazardous wastes i.e. used oil, solid and biological waste.
- Identifying contactors qualified by central/ Kerala state pollution control board for disposing different categories of waste.
- Carry our work environment/industrial hygiene survey internally or externally for health hazards for employees.
- Arranging World Environment Day (WED) celebrations every year.

	KOCHI LNG TERMINAL QHSE PROCEDURE MANUAL Environment Management Cell	
	Issue No:02	Doc. No: PLK/HSE/DOC/05
Revision No:00	Effective Date: 01.06.2020	Page 7 of 7

D) Functioning of Environment Management Cell:

- Environment management cell shall meet once in a month.
- Date, time, venue and the agenda of the meeting shall be identified by Head (EMC) Operations and the same will be informed to its members, at least one day in advance.
- The meeting shall be convened by the GM (Plant Head), initial discussion will be on the agenda, then on the progress of the decision taken on the previous meeting.
- Members can share any other information or raise any concerns pertaining to environment and the same will be discussed in detail.
- Minutes of the meeting points shall be recorded and a report for the same shall be prepared and documented.
- Meeting minutes shall be reviewed and concluded by the Head of the Environment Management Cell after listing out the outcome of the meeting and setting of goals.
- Members shall be responsible to execute the decision taken on the meeting, by coordinating with different departments, and the progress has to be reported in the next meeting.

E) List of team members & designation:

1. Shri. Yogananda Reddy; CGM & Vice President (Plant Head)
2. Mr.Veerasley Manimaran – DGM (Operations)
3. Mr. Suresh P – Chief Manager (C & P)
4. Mr.Jaiganesh Dakshinamurthy – Chief Manager (Technical)
5. Mr. Debi Prasad Patro – Chief. Manager (HR)
6. Mr. Kiran Joy – Sr. Manager (Security)
7. Mr. L.S.Raja –Manager (Lab Operations)
8. Mr. Vijith T V –Manager (HSE)
9. Mr. Jitin Dev. –Manager (Mechanical)
10. Mr.Dileep AV – Dy. Manager (HSE)
11. Mr.Sreeram Kumar – Dy. Manager (BIS)
12. Mr. Anish Kumar – Jr.Engineer (Civil & Projects)

Note: EMC group common e-mail id emc_kochi@petronetlng.com is created for internal communication.