



03/E&C/HTPL/EC/04

17.07.2018

Chief Controller of Forest
Ministry of Environment Forest &CC
Regional Office (Southern Zone)
4th Floor, E&F Wings,
Kendriya Sadan
Koramangala, Bangalore

Dear Sir

Sub : Compliance report on the status of compliance of stipulated environmental conditions for 'Laying heat traced pipeline from south tanker berth to kochi refinery' for the period from 1st January 2018 to 30th June 2018.

Ref : Letter no F.No.11-31/2015-IA-III dated 12th February 2016 granting Environmental Clearance for the project.

With reference to Letter no F.No.11-31/2015-IA-III dated 12th February 2016 granting Environmental Clearance for the project, please find enclosed the compliance report on various conditions laid down by MoEF&CC.

Thanking you

Very truly

Radhakrishna Pillai G

General Manager (E&C) I/C

Copy To:

1. Member Secretary, CPCB, Parivesh Bhawaner, Delhi-32
2. Member secretary, Kerala PCB, Plamoodu Jn, Trivandrum-04


COMPLIANCE REPORT ON ENVIRONMENTAL CLEARANCE ISSUED FOR THE
PROJECT "LAYING OF HEAT TRACED PIPE LINE FROM SOUTH TANKER BERTH
TO KOCHI REFINERY"

for the period Jan18-June18

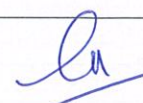
F.No. 11-31/2015-IA-III dated 12th February, 2016.

Sl No	Description	Status
PART -A		
i	The provision of CRZ notification , 2011 shall be strictly be adhered to by the PROJECT PROPONENT(PP)	Pipeline construction is being carried out in compliance with provisions of CRZ notification 2011.
ii	All the recommendations and conditions specified by KCZMA shall be complied with.	All recommendation of KCZMA clearance are being complied. <ol style="list-style-type: none">1. Pipeline at river crossing is being constructed with out obstructing the flow.2. ERDMP for the cross country pipeline is in place and will be updated along with completion of new pipeline.3. Construction is being carried out in line with the CRX notification of 1991/2011
iii	There shall be no destruction of mangrove trees at 50m, south of the pipeline route along the west bank of kaniyampuzha . crossing of rivers shall be on trestles with adequate clearance there by having negligible impact on the flow	Complied The pipeline is being laid in existing pipeline corridor of Refinery and hence No destruction of mangroves
iv	Labour camps , Storage of material and machinery shall be away from the CRZ	Complied.

v	<p>The excavated soil shall be used for refilling to the extent possible. Any soil laced with oil and other hazardous chemicals shall be separated from such impurities, treated and disposed at nearest TSDF sites, The spent oils and other lubricants from equipments shall be collected by the contractor and disposed off at CPCB/Local State PCB approved recyclers. There shall not be any disposal of waste in CRZ.</p>	<p>Complied.</p> <p>There is no generation of contaminated soil.</p>
vi	<p>Emergency shut system shall be incorporated in the design so as to mitigate the impact of leakage. The adjacent population is to be made aware of the risk associated with proposed project and mitigation measures to be taken in case of emergency.</p>	<p>Will be complied.</p> <p>Emergency shutdown and interlocks and leak detection system is incorporated in the design for the project and will be ready before commissioning.</p> <p>ERDMP for cross country pipeline is in place as the project is in existing pipeline corridor.</p>
vii	<p>The project proponent shall obtain all permissions from concerned authorities prior to commencement of the project</p>	<p>Complied.</p> <ul style="list-style-type: none"> • Consent to establish was obtained from PCB. • Construction approval from PESO obtained. • Approval of KCZMA obtained. • NOC from PWD/Municipal corporation/panchayath/RBD C of kerala etc obtained.



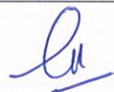
viii	Internationally accepted codes and practices should be followed in designing the pipeline system and their compliance should be guaranteed through proper inspection, frequent evaluation and intensive testing of all critical components.	Complied. Design of the pipeline is done as per relevant ANSI/ASME,OISD, ISI, API, BIS, IEEE, PESO etc. Quality plans are available based on above standards. Third party inspection through M/s Engineers India Limited (EIL) during manufacturing and construction is being done. 100% non-destructive test (NDT) of all weld joints using phased array ultrasonic testing and hydrotest of the pipeline will be done before commissioning.
ix	The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA system. Any leakage in the pipeline shall be immediately detected by the computer system and product pumping shall be immediately cut off.	PLC based control and shut down system interlinked with Refinery DCS is incorporated in the design of pipeline. This system is more advanced than regular SCADA used for cross country pipeline. Fiber optic based leak detection and intrusion detection system is also included in the pipeline design.
x	Oil spill contingency management plan shall be put in place	ERDMP in place and will be updated on commissioning of pipeline project.
xi	Necessary signages shall be installed in both English and local languages wherever the pipeline is passing.	Additional signanges will be put apart from the existing sign boards in the pipeline corridor.
xii	All safety requirement shall be strictly followed. All recommendation of EIA , EMP, DMP shall be strictly followed.	Being Followed. HAZOP, RRA have been done. ERDMP for cross country pipeline being conducted at regular intervals. Pipeline health being monitored regularly.



xiii	All Kinds of safety precautions shall be taken to avoid any sort of accidents during handling of equipments and laying of pipeline. emergency medical service shall be provided.	HAZOP,RRA done for the project and recommendation included in the design. Safety precautions like interlocks emergency shutdown system, leak detection system, fiber optic based communication etc are provided and integrated to refinery DCS for ensuring safety of pipeline operation.
xiv	There shall be no tapping of ground water with in CRZ area	Not applicable
xv	There shall be no disposal of waste or sewage into sea, creek or in CRZ area	Complied
xvi	Construction activity shall be carried out strictly according to the provisions of CRZ notification,2011. No construction work other than those permitted in coastal zone regulation notification shall be carried out in the CRZ area	Complied.
PART - B		
i	A copy of the clearance letter shall also be displayed on the website of the concerned state pollution control board. The EC letter shall be displayed at the regional office, district collector's office/ tehsildar's office for 30 days	Complied
ii	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to this ministry and its concerned regional office.	Will be complied.



5	<p>The above stipulation would be enforced among others under the provisions of water (prevention and control of pollution) act 1974, the air (prevention and control of pollution) act 1981, The environmental (protection) Act 1986, the public liability(insurance) act 1991, EIA notification 2006 and CRZ notification 2011</p>	<p>Project being implemented in line with the provisions of the said acts/rules</p>
6	<p>Officials from the regional office of MoEF&CC, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, regional office of MoEF&CC, Bangalore.</p>	<p>All the documents and facilities will be provided by BPCL- Kochi refinery</p>
7	<p>In the case of any changes in the scope of the project, the project would require a fresh appraisal by this ministry</p>	<p>Noted/complied</p>
8	<p>The ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the CRZ clearance under the provisions of the environmental (protection) Act 1986, to ensure effective implementation of the safeguard measures in a time bound and satisfactory manner.</p>	<p>Noted</p> <p>Project being implemented in line with the provisions of Environmental (Protection) Act 1986 and as per the conditions of the CRZ/Environmental clearance issued by MoEF&CC</p>



9	<p>All other statutory clearance such as approval for storage of diesel from Chief controller of explosives, fire department, civil aviation department, forest conservation act,1980, wildlife protection act 1972 etc shall be obtained, as applicable by the project proponents from the respective competent authorities.</p>	<ul style="list-style-type: none"> • Consent to establish was obtained from PCB. • Construction approval from PESO obtained. • Approval of KCZMA obtained. • NOC from PWD/Municipal corporation/panchayath/RBD C of kerala etc obtained <p>No diesel storage is envisaged in the project.</p>
10	<p>The project proponent should advertise in at least two local news paper widely circulated in the region, one of which shall be in vernacular language informing that the project has been accorded CRZ clearance and copies of the clearance letters are available with state pollution control board and may also be seen on the website of the MoEF&CC at http://envfor.nic.in. The advertisement should be made within seven days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the regional office of this ministry at Bangalore.</p>	Complied.
11	<p>This clearance is subject to final order of the Hon'ble supreme court of India in the matter of goa foundation Vs Union of India in writ petition (civil) no 460 of 2004 as may be applicable to this project.</p>	Noted



12	Any appeal against this clearance shall lie with the national green tribunal, if preferred, with in a period of 30 days as prescribed under section16 of the national green tribunal act-10	Noted
13	A copy of the clearance letter shall be sent by the proponent to concerned panchayath, Zilla parisad/municipal corporation, urban /local body and the local NGO, if any, from whom suggestions/representations if any were received while processing the proposal. The clearance letter shall also be put on the website of the company of the proponent	Complied
14	The proponent shall upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEF&CC, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely SPM.RSPM, SO2, NOX(ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in public domain.	Complied. Since this project involves transfer of high pour products through pipeline, there are no emissions associated with the project. BPCL-KR is already having a display board infront of the main gate for display of ambient air quality.
15	The environmental statement for each financial year ending on 31 st march in Form V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the environment (protection) act 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall be sent to the respective regional offices of MoEF&CC by email.	Project construction in progress and the same will be complied along with commissioning.

