

**F. No. J-11011/182/2016-IA.II (I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Impact Assessment Division)**

**Indira Paryavaran Bhawan**  
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**New Delhi -110 003**

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Dated: 07<sup>th</sup> June, 2017

To,

**The Chief Executive Officer**  
**(Shri C. Narayanan)**  
**M/s Kochi Salem Pipeline Private Limited**  
**Malayil Majesty Buildings, Room No-174- G**  
**Near Railway Overbridge, Refinery Road**  
**Tripunithura, Ernakulam, Kerala-682301**

**Sub: Pattikkad-Alathur rerouted portion of Kochi- Palakkad LPG pipeline (28.87 km) by M/s Kochi Salem Pipeline Private Limited (Joint venture of M/s BPCL & M/s IOCL) – Environmental Clearance – reg.**

**Ref: Online Proposal No. IA/KL/IND2/57100/2016 dated 14<sup>th</sup> February, 2017.**

Sir,

This has reference to your online proposal no. IA/KL/IND2/57100/2016 dated 14<sup>th</sup> February, 2017, along with project documents including Form I, Terms of References, Pre-feasibility Report and EIA/EMP Report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for Pattikkad- Alathur rerouted portion of Kochi- Palakkad LPG pipeline (28.87 km) by M/s Kochi Salem Pipeline Private Limited (Joint venture of M/s Bharat Petroleum Corporation Limited & M/s Indian Oil Corporation Limited). As informed and as per the documents submitted by the Project Proponent (PP), the PP is laying a 12 "dia LPG pipeline from BPCL Kochi Refinery to Kerala Tamilnadu border including connectivity to IOCL Udayamperoor LPG plant in the state of Kerala (Approximately 199 Kms) as per the Environment Clearance granted. It is informed that, it has been necessitated to re-route a portion of the pipeline for a length of 28.87 kms from Pattikkad in Thrissur District to Alathur in Palakkad District in view of the mounting resistance of land owners against fresh ROU acquisition in Thrissur and Palakkad Districts, which is a serious concern for completion of the pipeline. The PP has thus proposed for diversion of route for this stretch. It is reported that, the pipeline route has been proposed to follow the ROU of earlier laid Cochin- Coimbatore-Karur pipeline wherever feasible to avoid fresh ROU acquisition to the extent possible to minimize the objections from land owners. The proposed re-alignment of pipeline passes through the Peechi Vazhani wildlife sanctuary for an extent of 0.4754 Ha along the existing PCKPL pipeline. The capital cost of the project is ₹ 465.85 crores.



3. All Oil & gas transportation pipe line (crude and refinery/ petrochemical products), passing through national parks/sanctuaries/coral reefs/ecologically sensitive areas including LNG Terminal are listed at S.N. 6(a) of Schedule of Environmental Impact Assessment (EIA) Notification under Category 'A' and is appraised at Central Level by Expert Appraisal Committee (EAC).

4. The project proposal was considered by the Expert Appraisal Committee (Industry-2) in its 12<sup>th</sup> meeting held during 23<sup>rd</sup> - 24<sup>th</sup> August, 2016 and recommended Terms of References (TORs) for the Project. The TOR has been issued by Ministry vide letter dated 25<sup>th</sup> October, 2016.

5. The EAC (Industry-2) in its 21<sup>st</sup> meeting held during 27<sup>th</sup> - 29<sup>th</sup> March, 2017 has considered the proposal for environmental clearance (EC). The Project Proponent and the accredited consultant M/s Mecon Limited, Ranchi gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken, as per the Terms of References (TORs).

6. The PP has obtained EC for the pipeline from Kochi Refinery to Kerala Tamilnadu border, vide Ministry's letter no. F. No. J-11011/396/2012-IA II(I) dated 03.07.2015. It is reported that the EC is in the implementation stage.

7. It is reported that the proposed re-routing provides the following advantages:

- i. Fresh diversion of forest area and consequent tree felling is avoided as per the details below:

Forest diversion considered in the earlier proposal for which approval is obtained	Forest already diverted for laying PCCK pipeline	Additional diversion required by laying KSPPL pipeline along the forest diverted for PCCK	Reduction in forest diversion as per the rerouting proposed
1.441 Ha	0.758 Ha (0.4754 Ha through Peechi Sanctuary)	Nil	0.683

- ii. The route avoids fresh ROU acquisition and thereby addresses the concern of the people in this area.
- iii. The route shortens the pipeline length thereby reducing the temporary ecological disturbances.

8. It is reported that the baseline environmental data was monitored during October, 2013 - December, 2013 from Kochi to Coimbatore and additional environmental data was monitored during October, 2016 - December, 2016 for the rerouted portion of LPG pipeline from Pattikkad in Thrissur district to Alathur in Palakkad district. Ambient air quality was monitored at 27 locations in Kochi to Coimbatore route and additional monitoring at three locations was carried out in the rerouted portion of pipeline. Parameters monitored were PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO & HC. The resultant concentrations are within the NAAQS standard limits.

9. It is informed that, PP has submitted applications to Forest, Wild life and NHAI for their clearances for the proposed re- routing. It is reported that NHAI have accorded clearance for routing the pipeline along the new alignment. It is reported that MoEF&CC has accorded Stage 1 clearance vide letter dated 18.04.2016 for laying the pipeline in the forest area already diverted for PCCKL for an extent of

0.2826 Ha. For the balance portion of 0.4754 Ha through Peechi Sanctuary, it has been suggested that the clearance will be accorded once wildlife provides their clearance. It is reported that, regarding Wildlife clearance, the proposal is recommended by the State Wildlife Board of Kerala and Additional Chief secretary, State (Forest & Wildlife Department, Government of Kerala) have forwarded the proposal to National Board for Wildlife.

10. Public hearing was exempted as per para 7(ii) of EIA Notification, 2006.

11. The EAC, in its 21<sup>st</sup> meeting held during 27<sup>th</sup> – 29<sup>th</sup> March, 2017, has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance with certain conditions.

12. Based on the proposal and information submitted by the Project Proponent, and considering the recommendation of the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006, subject to the compliance of the following Specific and General Conditions:

**A. Specific Conditions:**

- i. PP shall comply with the conditions in the EC dated 03.07.2015.
- ii. PP under CSR activities shall provide computer/smart class facilities for schools/colleges, Ambulance facility and borewells/ drinking water facilities in the villages of proposed pipeline route.
- iii. Recommendations of SC NBWL shall be obtained.

**B. General Conditions:**

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, State Government and any other statutory authority.
- ii. No further expansion or modifications in the pipeline shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
- v. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).


- vi. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- vii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project shall be implemented.
- viii. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.
- ix. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- x. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xi. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.
- xii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
- xiii. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xiv. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- xv. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- xvi. The project authorities 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 the project.

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13. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

14. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.


15. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
8.6.2017

**(Yogendra Pal Singh)**  
**Scientist 'D'**

**Copy to:-**

1. The Secretary, Environment Department, Government of Kerala, Secretariat Thiruvananthapuram - 695 001.
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change Regional Office (SZ), Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore - 560 034.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Kerala State Pollution Control Board, Pattom (PO), Thiruvananthapuram - 695 004.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh, New Delhi- 110 003.
6. Guard File/Monitoring File/Website/Record File.

  
8.6.2017

**(Yogendra Pal Singh)**  
**Scientist 'D'**

