

**J-11011/291/2015-IA II (I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(I.A. Division)**

**Indira Paryavaran Bhawan**  
**Aliganj, Jorbagh Road**  
**New Delhi – 110 003**

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**Dated: 5<sup>th</sup> March, 2016**

To,  
Shri Pramod  
General Manager  
M/s Indian Oil Corporation Ltd.  
Pipeline Division Indian Oil Bhawan A-1,  
Udyog Marg, Sector-1, Noida, UP

**Email.: Nil. ; Fax.: +91 120 2448031**

**Subject: Laying of 340 kms (10.75") pipeline from Jaipur to Panipat with carrying capacity of 800 TMTPA by M/s IOCL – reg TOR**

**Ref. No.: Your Proposal no. IA/HR/IND2/31741/2015; dated 28<sup>th</sup> November, 2015**

Sir,

Kindly refer your proposal no. IA/HR/IND2/31741/2015 dated 28<sup>th</sup> November, 2015 along with project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that the proposal is for laying of 340 kms (10.75") pipeline from Jaipur to Panipat with carrying capacity of 800 TMTPA by M/s IOCL. The project broadly covers the followings;

- Utilizing existing 20 km long, 18" ODx 0.25" WT, API 5L X65 grade pipeline section of KSPL in between Mohanpur and Sanganer
- Laying of 340 km long 10.75" OD0.25" WT, API 5Lx 46 grade pipeline from Sanganer to Panipat.
- 3 motor-driven MLPUs at Mohanpura
- Scraper facilities at Mohanpura ( Jaipur), Sanganer ( Jaipur) and Rewari
- 2 line Balancing Tanks ( LBTs), each of 21000kl nominal capacity at Mohanpura
- Multi product pumping facilities and receipt facility at Mohanpura and panipat

2.0 Draft Terms of Reference (TOR) have been discussed and finalized during 3<sup>rd</sup> Expert Appraisal Committee (Industry-2) meeting held during 18<sup>th</sup>-19<sup>th</sup> January, 2015 for preparation of EIA/EMP report. The Committee prescribed the following Specific and Additional TOR in addition to Generic TOR provided at Annexure-I (refer to Ministry's website) for preparation of EIA-EMP report:

**A. Specific TOR**

1. Justification of the project
2. Route map indicating project location

3. Details of land to be acquired. Details of projects vis-à-vis ESAs and approvals thereof.
4. Project location along with map of 1 km area (500 meters on either side of the pipeline from centerline) and site details providing various industries, surface water bodies, forests etc.
5. Analysis of alternative sites and Technology.
6. Location of National Park/Wild life sanctuary/Reserve Forest within 10 km radius of the project.
7. Recommendation of SCZMA /CRZ clearance for the proposed pipeline.
8. Present land use based on satellite imagery for the study area of 10 km radius.
9. Details of applications filed for forest clearance to be obtained for the project for the forest land involved in the project along with details of the compensatory afforestation.
10. Process Description along with Process Flow Diagram.
11. Details of water consumption and source of water supply, waste water generation, treatment and effluent disposal.
12. Detailed solid & Hazardous waste generation, collection, segregation, its recycling and reuse, treatment and disposal.
13. Total cost of the project along with total capital cost and recurring cost/annum for environmental pollution control measures.
14. Site-specific micro-meteorological data for temperature, relative humidity, hourly wind speed and direction and rainfall for one season at one location.
15. At total of 30 locations, ambient air quality monitoring within the study area of 500 m along the pipeline route and around the pumping station and delivery station for PM10, SO2, NOx, CO, HC, VOC for one season (Non Monsoon) taking into account the pre-dominant wind direction at the representative locations covering population zone and sensitive receptors including reserved forests.
16. Determination of atmospheric inversion level and assessment of ground level concentration of pollutants. Air quality modelling for proposed project.
17. At about 10 locations, water monitoring will be conducted including surface & ground water for one season (Non Monsoon)
18. At 15 locations, Soil sample analysis within the study area for one season (Non Monsoon).
19. At 30 locations, noise Monitoring will be taken up for one season (Non Monsoon)
20. Demography & socio-economics of the study area.
21. Ecological features (terrestrial & Aquatic) of the study area for one season (Non Monsoon)
22. Assessment of impact on air, water, soil, solid/hazardous waste and noise levels.
23. Air pollution control measures proposed for the effective control of gaseous emissions within permissible limits.
24. Details of proposed preventive measures for leakages and accident.
25. Risk assessment including Hazard identification, Consequence Analysis, Risk Assessment and preparation of Disaster Management Plan as per Regulations.
26. Corrosion Management of Pipeline
27. Details of proper restoration of land after laying the pipelines.
28. Details of proposed Occupational Health Surveillance program for the employees and other labour
29. Detailed Environment management Plan (EMP) with specific reference to Energy conservation and natural resource conservation, details of air pollution control system, water & wastewater management, monitoring frequency, responsibility and time bound implementation plan for mitigation measure will be provided.
30. Public hearing to be conducted in respective districts through which the pipeline passes. Point wise comments/reply to the issues raised during Public Hearing / Public Consultation

#### A. Additional TOR:

- i. Since the project falls within 10km of Nahargarh, wildlife sanctuary (Rajasthan) and Bindwas wildlife sanctuary (Haryana), a copy of application submitted to Standing Committee of the NBWL for Wildlife clearance shall be furnished.



- ii. Public hearing to be conducted in respective districts and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.

3.0 These 'TORs' should be considered for the preparation of EIA/EMP for laying of 340 kms (10.75") pipeline from Jaipur to Panipat with carrying capacity of 800 TMTA by M/s IOCL in addition to all the relevant information as per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The EIA/EMP as per TORs should be submitted to the Chairman, State Pollution Control Board, for public consultation. The SPCB shall conduct the public hearing/public consultation as per the provisions of EIA notification, 2006.

4.0 You are requested to kindly submit the final EIA/EMP prepared as per TORs and incorporating all the issues raised during Public Hearing / Public Consultation to the Ministry for considering the proposal for environmental clearance **within 3 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 8<sup>th</sup> October, 2014.**

5.0 The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/ National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.

  
(Lalit Bokolia)  
Additional Director

Copy to:

- 1 The Chairman, Haryana Pollution Control Board, C -11, Sector 6, Panchkula, Haryana.
- 2 The Chairman, Rajasthan Pollution Control Board, 4, Institutional Area, Jhlna, Doongri, Jaipur, Rajasthan.
- 3 Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector "H", Aliganj, Lucknow – 226020
- 4 Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (NZ), Bays No. 24-25, Sector 31 A, Dakshin Marg, Chandigarh – 160030

  
(Lalit Bokolia)  
Additional Director