

F. No. J-11011/71/2012- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

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Dated: 10 September, 2013

To,

Shri S P Baruah,
Chief Technical Services Manager,
M/s Indian Oil Corporation Ltd.
Guwahati Refinery, IOCL, Noonmati,
Guwahati, Assam- 781020

E-mail : guptaashok@iocl.co.in, prasadr@indianoil.in; Fax No.: 011-24360765

Subject: Revamp of INDMAX Unit at Guwahati Refinery, Guwahati **by M/s Indian Oil Corporation Ltd. – regarding TORs.**

Ref. : Your letter no. HSE/EP/WU-5/EC-APPL/18 dated 9th May, 2013.

Sir,

Kindly refer your letter no. nil dated 9th May, 2013 alongwith project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that proposal is for Revamp of INDMAX Unit at Guwahati Refinery, Guwahati by M/s Indian Oil Corporation Ltd.

2.0 Draft Terms of Reference (TOR) have been discussed and finalized during the 9th Reconstituted Expert Appraisal Committee (Industry) held during 10th-11th June, 2013 for preparation of EIA/EMP report. Following are the 'TORs':

1. Executive summary of the project.
2. Project Description and Project Benefits.
3. Copy of environmental clearance accorded for all the existing projects alongwith point-wise compliance report.
4. Location of National Park/Wild life sanctuary/Reserve Forest within 10 km radius of the project.
5. Details of the total land and break-up of the land use for green belt and other uses.
6. List of products alongwith the production capacities.
7. Manufacturing process details alongwith the chemical reactions and process flow diagram for the proposed project.
8. Is there additional storage required for the proposed products mix, if yes details thereof.
9. Baseline data collection for air, water and soil for last one year.
10. Ambient air quality monitoring for PM_{2.5}, PM₁₀ SO₂, NO_x, (methane & non-methane HC) and VOCs.
11. Existing status of stack emission, raw water requirement, treated effluent quantity & quality data, noise pollution and solid waste management in the existing units.
12. Status of stack emission, raw water requirement, treated effluent quantity & quality data, noise pollution and solid waste management after proposed product mix.
13. Details of Sulphur balance in the existing refinery unit.
14. Additional SO₂ emissions due to the proposed product mix.
15. A note on how SO₂ and NO_x will be controlled at the existing level leading to no increase in pollution load.

16. Unit-wise air pollution control devices to be installed. For the proposed units.
17. Source and permission of water supply.
18. Water balance chart for proposed project. Measures for conservation water by recycling and reuse to minimize the fresh water requirement.
19. Detailed solid waste generation, collection, segregation, its recycling and reuse, treatment and disposal.
20. Details of membership of TSDF for hazardous waste disposal.
21. Details of proposed preventive measures for leakages and accident.
22. Environmental Management Plan
23. Risk Assessment & Disaster Management Plan
 - a. Identification of hazards
 - b. Consequence Analysis
 - c. Risk assessment should also include leakages and location near to refinery & proposed measures for risk reduction.
24. Total capital cost and recurring cost/annum for environmental pollution control measures.
25. Environmental Monitoring programme.
26. Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.

The following general points should be noted:

- (i). All documents should be properly indexed, page numbered.
- (ii). Period/date of data collection should be clearly indicated.
- (iii). Authenticated English translation of all material provided in Regional languages.
- (iv). The letter/application for EC should quote the MOEF file No. and also attach a copy of the letter.
- (v). A copy of the letter received from the Ministry should be also attached as an annexure to the final EIA-EMP Report.
- (vi). The final EIA-EMP report submitted to the Ministry must incorporate the issues in this letter. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report where the above issues have been incorporated.
- (vii). 'Certificate of Accreditation' issued by the QCI to the environmental consultant should be included.

3.0 These 'TORs' should be considered for the preparation of EIA / EMP report for Revamp of INDMAX Unit at Guwahati Refinery, Guwahati by M/s Indian Oil Corporation Ltd 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. Public hearing was exempted under 7 (ii) of the EIA Notification, 2006

4.0 You are requested to kindly submit the final EIA/EMP prepared as per TORs to the Ministry for considering the proposal for environmental clearance ***within 2 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 22nd March, 2010.***

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.

(V. P. Upadhyay)

Director

Copy to : Chairman, Assam Pollution Control Board, Bahunimatram, Assam, Guwahati.

(V. P. Upadhyay)
Director

