No.IA-J-11011/41/2018-IA-II(I)

Goverment of India

Minister of Enviroment,Forest and Climate Change

Impact Assessment Division

***

Indira Paryavaran Bhavan,
Vayu Wing,3rd Floor,Aliganj,
Jor Bagh Road,New Delhi-110003
24 Mar 2018

To,

M/s Cairn India Limited
Cairn Oil & Gas, Vedanta Limited, DLF Atria, DLF Phase-2, DLF City, Gurgaon, Haryana - 122002Gurgaon,
Gurgaon-122002
Haryana

Tel.No.124-4594176; Email:dilipkumar.bera@cairnindia.com

Sir/Madam,

This has reference to the proposal submitted in the Ministry of Environment, Forest and Climate Change to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report. The details of the proposal are given below:

1. Proposal No.:	IA/AP/IND2/72440/2018
2. Name of the Proposal:	Oil and Gas Exploration and Development in Existing Ravva Field, PKGM-1 Block (of 331.26 km2) located near Surasniyanam Village (S. Yanam) in Krishna-Godavari Basin, East Godavari District, Andhra Pradesh by Vedanta Limited - Cairn Oil & Gas on behalf of the Ravva Joint Venture
3. Category of the Proposal:	Industrial Projects - 2
4. Project/Activity applied for:	1(b) Offshore and onshore oil and gas exploration, development & production
5. Date of submission for TOR:	24 Jan 2018

In this regard, under the provisions of the EIA Notification 2006 as amended, the Standard TOR for the purpose of preparing environment impact assessment report and environment management plan for obtaining prior environment clearance is prescribed with public consultation as follows:

1(b):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR OFFSHORE AND ONSHORE OIL AND GAS EXPLORATION, DEVELOPMENT AND PRODUCTION PROJECTS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

A. STANDARD TOR FOR OFFSHORE OIL & GAS EXPLORATION, DEVELOPMENT & PRODUCTION

1) Executive summary of the project.

2) No. of exploratory wells for which environmental clearance is accorded and No. of new wells proposed during expansion. Status and No. of the wells which are completed and closed.

3) Project Description and Project Benefits;

4) Cost of project and period of completion.

5) Employment to be generated.

6) Distance from coast line.

7) Details of sensitive areas such as coral reef, marine water park, sanctuary and any other eco-sensitive area.

8) Recommendation of SCZMA/CRZ clearance as per CRZ Notification dated 6th January, 2011 (if applicable).

9) Details on support infrastructure and vessel in the study area.

10) Climatology and meteorology including wind speed, wave and currents, rainfall etc.

11) Details on establishment of baseline on the air quality of the areas immediately affected by the exploratory drilling and also particularly with reference to hydrogen sulphide, sulphurdioxide, NOx and background levels of hydrocarbons and VOCs.

12) Details on estimation and computation of air emissions (such as nitrogen oxides*, sulphur oxides*, carbon monoxide*, hydrocarbons*, VOCs*, etc.) resulting from flaring, DG sets, combustion, etc. duringallprojectphases

13) Base line data collection for surface water for one season leaving the monsoon season within 1 km for each exploratory wells, particularly in respect of oil content in the water sample and sediments sample.

14) Fisheries study w.r.t. benthos and marine organic material and coastal fisheries.

15) Source of fresh water. Detailed water balance, waste water generation and discharge.

16) Noise abatement measures and measures to minimize disturbance due to light and visual intrusions in case of project site closed to the coast.

17) Procedure for handling oily water discharges from deck washing, drainage systems, bilges etc.

18) Procedure for preventing spills and spill contingency plans.

19) Procedure for treatment and disposal of produced water.

20) Procedure for sewage treatment and disposal and also for kitchen waste disposal.

21) Details on solid waste management for drill cuttings, drilling mud and oil sludge, produced sand, radioactive materials, other hazardous materials, etc. including its handling and disposal options during all project phases.

22) Storage of chemicals on site.

23) Commitment for the use of water based mud (WBM) and synthetic oil based mud in special case.

24) Details of blowout preventer Installation.

25) Risk assessment and mitigation measures including whether any independent reviews of well design, construction and proper cementing and casing practices will be followed.

26) Handling of spent oils and oil from well test operations.

27) H2S emissions control plans, if required.

28) Details of all environment and safety related documentation within the company in the form of guidelines, manuals, monitoring programmes including Occupational Health Surveillance Programme etc.

29) Restoration plans and measures to be taken for decommissioning of the rig and restoration of on-shore support facilities on land.

30) Documentary proof for membership of common disposal facilities, if required.

31) Any litigation pending against the project or any directions/order passed by any Court of Law against the project. If so, details thereof.

32) Total capital and recurring cost for environmental pollution control measures.

***