CONSENT ORDER FOR ESTABLISHMENT & OPERATION

Order No. 456 /APPCB/CFE/RO-VJA/CO/2019


Dt: 21.06.2019

Ref: 1. E.C. Order dt. 23.03.2015 issued by the MoEF&CC, GoI, New Delhi.
2. Proponent’s application recd through A.P. OCMMS on 24.05.2019.
3. R.O’s inspection report dt. 03.06.2019.
4. CFE Committee meeting held on 11.06.2019.

1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) and Consent for Operation (CFO) for exploratory drilling of well NGN-AA at Uppalakalvakunta (V), Pedana (M), Krishna District in an area of 24000 Sq. m with an installed capacity as mentioned below, with a project cost of Rs. 65.57 Crores. The co-ordinates of the well are E - 81° 43¹, 37.64° and N - 16° 39¹, 20.00°.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Exploratory drilling for Oil &amp; Gas</td>
<td>50000 kg/day</td>
</tr>
</tbody>
</table>

2. The above site was inspected by the Asst. Environmental Engineer-II, Regional Office, Vijayawada, A.P Pollution Control Board on 01.05.2019 and observed that the site is surrounded by

- **North**: Agricultural Lands
- **South**: Agricultural Lands
- **East**: Agricultural lands
- **West**: Approach road

3. The Board, after careful scrutiny of the application and verification report of Regional Officer and recommendations of the CFE Committee, hereby issues CONSENT FOR ESTABLISHMENT & OPERATION to the activity Under Section 25/26 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activity as mentioned at para (1) only.**
4. This Consent Order now issued is subject to the conditions mentioned in the Annexure.

5. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

6. This CFE / CFO order is issued for one year as per the Board’s circular dt. 02.02.2013.

**Encl:** Annexure

To

M/s. Oil and Natural Gas Corporation,
Exploratory drilling of well NGN-AA,
R.No.6, 10th Floor East Wing,
Cmda Tower-1, ONGC,
Egmore-Chennai
babu_bp@ongc.co.in

**Copy to:** 1. The JCEE, Z.O: Vijayawada for information and necessary action.
ANNEXURE

1. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.

2. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.

**Water:**

3. The source of water is Borewell and the maximum permitted water consumption is as following:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Purpose</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Process &amp; Wash (for drilling mud preparation)</td>
<td>15 KLD</td>
</tr>
<tr>
<td>b)</td>
<td>Domestic</td>
<td>10 KLD</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>25 KLD</td>
</tr>
</tbody>
</table>

4. The maximum waste water generation shall not exceed the following:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Source</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Process High TDS</td>
<td>10.0 KLD</td>
</tr>
<tr>
<td>b)</td>
<td>Domestic</td>
<td>2.0 KLD</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>12.0 KLD</td>
</tr>
</tbody>
</table>

**Treatment and disposal:**

<table>
<thead>
<tr>
<th>Effluent source</th>
<th>Treatment</th>
<th>Mode of final disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste drilling mud and equipment wash water.</td>
<td>Drill cuttings and drilling mud shall be treated in shale shaker, de-silter, and mud cleaner to remove the solids. The cleaned mud shall be reused.</td>
<td>The treated waste water shall be collected into a HDPE lined pit and same shall be sent to mobile ETP for treatment and for reuse for operational purpose.</td>
</tr>
<tr>
<td>Domestic</td>
<td>---</td>
<td>Septic tank followed by Soak pit.</td>
</tr>
</tbody>
</table>

5. The industry shall not dispose waste water outside the premises under any circumstances.

6. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.

   a) Domestic purposes.

   b) Processing, whereby water gets polluted and pollutants are easily bio-degradable.

   c) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.
Air:

7. Air Pollution control equipment shall be installed along with the commissioning of the activity. The proponent shall comply with the following for controlling air pollution:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Details of Stack</th>
<th>Stack 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Attached to</td>
<td>D.G. Sets</td>
</tr>
<tr>
<td>b)</td>
<td>Capacity</td>
<td>4 x 1600 KVA</td>
</tr>
<tr>
<td>c)</td>
<td>Name of the Fuel</td>
<td>Diesel</td>
</tr>
<tr>
<td>d)</td>
<td>Stack height above ground (m.)</td>
<td>8 m each</td>
</tr>
<tr>
<td>e)</td>
<td>Air Pollution Control Equipment</td>
<td>Acoustic enclosures</td>
</tr>
</tbody>
</table>

8. The generators shall be installed in a closed area with a silencers and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

9. The industry shall provide flare stack for flaring the gas produced during testing operations.

Solid Waste:

10. The proponent shall comply with the following:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Solid / Hazardous Waste</th>
<th>Quantity</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Drill cuttings</td>
<td>20 m³/day</td>
<td>• Drill cuttings / Sludge / Drilling mud containing oil shall be disposed into secured land fill authorized by APPCB.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Drill cuttings generated by using water based mud shall be dried and used for filling low laying areas / for laying roads.</td>
</tr>
<tr>
<td>2</td>
<td>Used / Waste Oil from DG sets</td>
<td>Actuals</td>
<td>To Authorized re-processors or recyclers / reuse within the premises as lubricant.</td>
</tr>
<tr>
<td>3</td>
<td>Used Lead acid batteries</td>
<td>Actuals</td>
<td>Shall be given back to the dealer on buy back basis.</td>
</tr>
</tbody>
</table>
11. The following rules and regulations notified by the MoEF&CC, Govt shall be implemented.

   d) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
   f) Batteries (Management & Handling) Rules, 2010.

Other Conditions:

12. The proponent shall use Water Based Mud (WBM) for drilling operations and shall recycle and reuse the same to the maximum extent possible.

13. The proponent shall strictly implement the procedures recommended in the Disaster Management Plan for blowout or fire and also indicate the improvements proposed in implementation of the project to reduce the risk and disaster.

14. The industry shall develop a contingency plan for H₂S release including all necessary aspects from evacuation to resumption of normal operations. The workers should be provided with personal H₂S detectors in locations of high risk of exposure along with self containing breathing apparatus.

15. To prevent well blowouts during drilling operations, Blow Out Preventor (BOP) system shall be installed. Blow Out Prevention measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.

16. The industry shall restore the drilling site to the original condition at the end of the drilling operations by clearing all the debris that may gather at the site.

17. The proponent shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.

18. In case the commercial viability of the project is established, the industry shall prepare detailed plan for development of oil and gas fields and obtain fresh CFE / CFO from the Board.
19. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.

20. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.

21. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

To

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