

POLLUTION CONTROL BOARD, ASSAM
BAMUNIMAIDAM, GUWAHATI - 21



No.WB/DIB/T-269/11-12/49

Dated Guwahati, the 13/9/11.....

"CONSENT TO ESTABLISH"

Provisional **"CONSENT TO ESTABLISH"** is hereby granted to M/s. Hindustan Oil Exploration Company Ltd. "Lakshmi Chamber" 192 St. Mary's Road, Alwarpet, Chennai, India – 600018 for their Drilling Project at Dirok Tea Estate in the district of Tinsukia under the following terms & conditions:-

A) General :

1. No air, water, soil pollution shall be created by the industry beyond the permissible limits prescribed by the Board. The industry would incorporate adequate pollution control measures before they put the plant into operation.
2. To maintain the environment and ecology in the area, provisions for planting selected species of tree within the compound and approaches along with provisions for park, garden and fountain shall have to be made. Massive afforestation will have to be made by the industry in the factory and township if any.
3. As per provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, any officer, employed by this Board in its behalf shall without any interruption, have the right at any time to enter the industry for inspection, to take samples for analysis and call for any information etc. violation of this right will be withdrawal of this permission.
4. As per provisions of the Act, regular monitoring is to be done by the industry from the location/points fixed by the Board and the report to be submitted to the Board monthly.
5. Effluent carrying drains must be segregated from storm water drain and effluent must be disposed into effluent pond. In case effluent will be allowed to be discharged into nearby nullah/natural water course etc., it must be done after treatment and bringing the effluent standards within permissible limits fixed by the Board.
6. Standard linings on flat embankment of effluent pond shall have to be provided to prevent and control of overflow, seepage and leakage of effluent to the nearby areas.
7. To regularise the subsequent process, the legal provisions of "Consent to Operate" as per Act and Cess Returns as per Cess Act, 1977 shall have to be timely adhered to.
8. Gaseous pollution due to the burning of fuel to run engine boiler, etc. should be controlled by adopting preventive measures adequately.
9. Solid waste that arises during the operation should be properly graded and disposed of scientifically without causing nuisances.

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10. For Low lying areas, special care is to be taken by the industry to prevent any overflow, seepage and leakage of effluent.
11. Warning (Alarm, Siren) is to be installed by the unit to guard against accidental pollution/ mishap together with fire fighting devices.
12. All pipe connections, joints; fittings etc. in the factory and plant are to be frequently checked and shall be leak proof all the time.
13. Proper housekeeping and adequate maintenance has to be ensured/ enforced as per provisions of Acts.
14. All unwanted Toxic Chemical/Fluid/Gases are to be neutralized and flared up as necessary.
15. Production process is to be monitored and in the event of danger immediate shut down is to be ensured by the industry.
16. Provisional **"CONSENT TO ESTABLISH"** has been issued basing on the particulars furnished by the applicant and subject to imposition of further/more conditions if warranted by the subsequent development.
17. The **"CONSENT TO ESTABLISH"** will be valid till the proposed date of commissioning of the plant.
18. Healthy working environment for the worker must be maintained and there should not be health hazard to the workers for inadequate arrangement for ventilation. Dust removal arrangements should be adequate and full proof for the health of the workers. Their health should be regularly monitored.
19. The unit must submit compliance report of action taken on the conditions given by the Board before commissioning of the plant.
20. Adequate trees should be planted and maintained in the vacant space of the premises and all around the factory and township if any.
21. The Board will be at liberty to withdraw the **"CONSENT TO ESTABLISH"** at any time without notice, if necessary steps for prevention of pollution and protection of environment is not taken by the industry as per mentioned conditions.
22. This issuance of the **"CONSENT TO ESTABLISH"** does not convey any property right in either real or personal property or any exclusive privileges nor does it authorize any injury to private property nor any invasion right or any infringement of Central, State or Local Laws or Regulations.
23. The **"CONSENT TO ESTABLISH"** does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse except of the works specially instructed herein.

3) Specific conditions :

24. The company shall comply with the guidelines for disposal of solid waste; drill cutting and drilling fluids for onshore drilling operation notified vide GSR 546 (E)



26. The top soil removed shall be stacked separately for reuse during restoration process.
27. Drilling waste water including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with the notified standards for on-shore disposal. The membership of common TSDF shall be obtained for the disposal of drill cuttings and hazardous waste. Otherwise secured land fill shall be created at the site with the Authorization of the SPCB. The design of the secured shall be approved by the SPCB.
28. The recyclable waste (oily sludge) and spent oil shall be disposed to the authorized recyclers.
29. Only water based drilling mud shall be used. The drilling mud shall be recycled. In case of use of synthetic oil based mud due to any problem due to geological formation for drilling low toxicity, Oil Based Mud (OBM) having aromatic content < 1% shall be used. If it is intended to use such OBM/SBM to mitigate specific whole problem, it should be intimated to Ministry of Environment and Forests/SPCB.
30. Quantities of storage and chemicals and additives required for drilling mud prepared in shall be below the specified threshold for specified storage permitted under the MSICH Rules.
31. Pre hire rig inspection, safety meetings, tool box meeting, job safety analysis and audits shall be carried out to identify hidden/potential hazardous.
32. M/s. Hindustan Oil Exploration Company Ltd. shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during flaring.
33. M/s. Hindustan Oil Exploration Company Ltd. shall take necessary measures to reduce noise levels at the drill site by providing mitigation measures such as proper acoustic enclosures to the D.G. set and meet the norms notified by the MoEF. Height of all the stacks/Vents shall be provided as per the CPCB guidelines.
34. To prevent fire and explosion at Oil and Gas facility, potential ignition sources should be kept to a minimum and adequate separation distances between potential ignition sources and flammable materials should be in place.
35. M/s. Hindustan Oil Exploration Company Ltd. shall develop a contingency plan for H₂S release including all necessary aspect from evacuation to resumption of normal operations. The workers should be provided with personal H₂S detectors in location of high risk of exposure along with self containing breathing apparatus.
36. To prevent well blowouts during drilling operations, Blow out Preventer (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 frilling fluid logging etc.
37. M/s. Hindustan Oil Exploration Company Ltd. shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored to near original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum regulations.
38. Occupational health surveillance of the workers shall b carried out as per the prevailing Acts and Rules.



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39. The industry shall not discharge any solid or liquid wastes outside the campus without treatment.
40. The industry shall not use any fuel which may create Air Pollution.
41. No noise pollution shall be created by the industry.
42. M/s. Hindustan Oil Exploration Company Ltd. shall incorporate all antipollution arrangement before commissioning the unit.
43. The applicant shall inform the Board regarding starting of production.
44. Adequate fire fighting equipments with fittings like fire hydrant etc shall have to be provided in order to prevent hazardous fire.
45. Noise dampening wall have to be arranged.
46. The unit shall confirm the environmental standards.
47. M/s. Hindustan Oil Exploration Company Ltd. should make arrangement for isolated storage facilities for both raw materials and products.
48. M/s. Hindustan Oil Exploration Company Ltd. should follow various provisions of the Manufacture, Storage & Import of Hazardous Chemicals Rule, 1989; the Chemical Accidents (Emergency, Planning, Preparedness and Response) Rule 1996 and Hazardous Wastes (Management, Handling and Transboundary Movements) Rules, 2008 the Environment (Protection) Act, 1986.
49. The Board will have the liberty to withdraw the **"CONSENT TO ESTABLISH"** if adequate pollution control and safety measures are not taken.

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Member Secretary

Memo No.WB/DIB/T-269/11-12/49-A,

Dated Guwahati, the

Copy to:

1. ✓ M/s. Hindustan Oil Exploration Company Ltd.; C/o. Mr. Manish Maheshwari (Joint Mng. Director) "Lakshmi Chamber" 192 St. Mary's Road, Alwarpet, Chennai, India – 600018 for information & necessary action. The **"CONSENT TO ESTABLISH"** is valid subject to fulfillment of above terms & conditions and also subject to obtaining necessary permission from other Competent Authorities.
2. The Deputy Secretary to the Govt. of Assam, Department of Environment & Forest, Dispur, Guwahati – 6 for favour of information.
3. The Deputy Commissioner, Tinsukia dist. for kind information .
4. The General Manager, Di&CC, Tinsukia for favour of information.
5. The Executive Engineer, Regional Office, Dibrugarh; Pollution Control Board, Assam for information & necessary action. The **"CONSENT TO ESTABLISH"** is valid subject to fulfillment of above terms and conditions and also subject to obtaining necessary permission from other Competent Authorities. This has a reference of letter No. RO/DBR/T-3437/07-08/297 dtd. 8/6/2011.

13.07.11
Member Secretary