

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	Conditions	Compliance
<b>Sl. No.</b>	<b>SPECIFIC CONDITIONS</b>	
1.	Gas produced during testing shall be flared with appropriate flaring booms. The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Drilling activities are planned in 4 <sup>th</sup> Quarter of FY 2014-15 and gas produced during testing operation shall be flared as per MOEF/CPCB guidelines.  Flare system design and stack height will meet the OISD guidelines. Flare stack emission monitoring will also be carried out as per Environment (Protection) Rules, 1986 for oil drilling industry during flaring of gases during drilling phase.
2.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO, CH <sub>4</sub> , HC, Non-methane HC etc.	Drilling activities are planned in 4 <sup>th</sup> Quarter of FY 2014-15 and monitoring will be carried out as per CPCB guidelines.
3.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Drilling activities are planned in 4 <sup>th</sup> Quarter of FY 2014-15 and would be complied with.
4.	Approach road shall be made pucca to minimize generation of suspended dust.	To be taken up during construction phase based on evaluation of the condition of approach road to drill sites. Additionally dust generation will be minimized by water sprinkling (if required)
5.	The company shall make the arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height shall be provided as per CPCB guidelines.	The DG sets with appropriate acoustic enclosures and adequate stack height as required under the guidelines for stack height for DG sets published by CPCB in emission regulations, Part IV, COINDS/26/1986/87 would be commissioned in drilling campaign.
6.	Total water requirement shall not exceed 25 m <sup>3</sup> /day and prior permission shall be obtained from the competent authority.	Drilling activities are planned in 4 <sup>th</sup> Quarter of FY 2014-15 and would be complied with.

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



7.	The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Drilling activities are planned in 4th Quarter of FY 2014-15 and would be complied during drilling activities.
8.	Drilling wastewater 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 as per the design approved by the CPCB and obtain authorization from the SPCB. Copy of authorization or membership of TSDF shall be submitted to Ministry's Regional Office at Bhopal.	HDPE lined pits will be used for disposal of drilling waste water as per guidelines for disposal of solid waste, drill cuttings and drilling fluids for onshore drilling operation notified vide GSR.546 (E) dated 30th August, 2005. Drill cuttings and other hazardous wastes will be disposed in authorized TSDF. Noted and would be complied during drilling activities.
9.	No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies.	Drilling activities are planned in 4th Quarter of FY 2014-15 and would be complied during drilling activities.
10.	Good sanitation facility should be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/soak pit.	Sufficient number of portable toilet will be provided at drill site and waste water will be treated through septic tank-soak pit
11.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Drilling activities are planned in 4th Quarter of FY 2014-15 and would be complied during drilling activities.
12.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling	Drilling activities are planned in 4th Quarter of FY 2014-15. Adequate measures will be taken to comply the guidelines during drilling activities.

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	operation notified vide GSR.546(E) dated 30th August, 2005.	
13.	The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	Drilling activities are planned in 4th Quarter of FY 2014-15 and would be complied during drilling activities.  Fire fighting equipments and personal protective equipments would be provided at the site. Comprehensive HSE manual is prepared for the drilling activities and same will be implemented.
14.	The company shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H2S detectors in locations of high risk of exposure along with self containing breathing apparatus.	Contingency plan for H2S release has been prepared and would be implemented for drilling operations.
15.	The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and its Regional Office at Bhopal.	Drilling activities are planned in 4th Quarter of FY 2014-15. Adequate measures will be taken to comply with the guidelines during drilling activities.
16.	Blow Out Preventer (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Drilling activities are planned in 4th Quarter of FY 2014-15 and would be complied during drilling activities.
17.	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan is prepared based on the guidelines by OISD, DGMS and Govt. of India. ERP will be followed during drilling operations.

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



18.	The company 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 the area in 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.	Drilling activities are planned in 4th Quarter of FY 2014-15. Adequate measures will be taken to comply with the guidelines.
19.	All the commitments made to the public during public hearing/public consultation meeting held on 14th August, 2012 for Vadodara District and 1st July, 2012 for Bharuch District shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Noted and would be complied with.
20.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Occupational health surveillance would be carried out as per prevailing acts and rules.
21.	In case the commercial viability of the project (for exploratory drilling) is established, the Company shall prepare a detailed plan for development of oil and gas fields and obtain fresh environmental clearance from the Ministry.	Noted and would be complied with.
22.	Restoration of the project site after completion of drilling shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Bhopal.	Noted and would be complied with.
23.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office at Bhopal.	Drilling activities are planned in 4th Quarter of FY 2014-15. Oil contents in the drill cuttings will be monitored by authorized agency and report would be sent to Ministry's Regional Office at Bhopal.
24.	Under Corporate Social Responsibility (CSR), sufficient budgetary provision should be made for health improvement,	Noted and would be complied with.

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	education, water and electricity supply etc. in and around the project.	
25.	An audit shall be done to ensure that the Environment Management Plan is implemented in totality and report shall be submitted to Ministry's Regional Office.	Noted. EMP would be implemented and report would be submitted to Ministry's Regional Office.
26.	Company should prepare and circulate the environmental policy.	Environmental Policy prepared and Circulated. Environment Policy of IOC is attached as <b>Annexure-1</b> .
27.	All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.	Noted and would be complied.
28.	Company shall have own Environment Management Cell having qualified persons with proper background.	Noted and would be complied.
29.	Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/project site. Awareness shall be created at each level of management. All the schedules and results of environmental monitoring shall be available at project site office. Remote monitoring of site should be done.	Noted and would be complied.
30.	Ground water analysis should be carried out at different depth to see stratification.	Noted and would be complied during drilling.
31.	Drilling site should be at least 500 m away from the school.	Noted and would be complied during drilling.
32.	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle	Plug & abandonment job would be carried out as per Oil Mines Regulation (OMR).

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	from the concerned authority.	
<b>Sl. No.</b>	<b>GENERAL CONDITIONS</b>	
1.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.	Needful will be done as per the guidelines provided by the Gujarat Pollution Control Board (GPCB), State Government and any other authority.
2.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Ministry of Environment & Forests will be informed and prior approval regarding any modification in the project will be taken.
3.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	Noted. Adequate measures will be taken to comply with the guidelines.
4.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	DG sets with acoustic enclosures would be installed at site. Location of DG set installation will be selected so as to be away from nearest habitation. Further vehicular movement will be minimizing through optimum use of them.
5.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the	Monitoring from MoE&F approved lab will be carried out as per site requirement.

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	environmental management and monitoring functions.	
6.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. A copy of clearance letter has been sent to concerned Municipal Corporation, Urban Local Body and the Local NGO.
7.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the GPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted. Adequate measures will be taken to comply with the guidelines during the drilling operations of exploratory wells.
8.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the GPCB. The Regional Office of this Ministry /CPCB / GPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Complied. Previous six monthly reports on status of the compliance of the Environmental Clearance conditions have been submitted to the regional office of the MoE&F, the respective Zonal Office of CPCB and the GPCB; further proper measures will be taken care to fulfill the condition.  Environmental Clearance has been uploaded on the website of the IOC.
9.	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project	The environmental statement for the financial year ending 31/3/2014 (2013-14) in Form-V has been submitted to the Gujarat Pollution Control Board as well as same has been uploaded along with the status of

### 3rd Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	compliance of environmental conditions in the IOC website.
10.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the GPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Information regarding EC accorded for the project was published in news papers in English as well as Vernacular languages. Newspapers clips are attached as <b>Annexure 2</b> .
11.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Petroleum exploration License (PEL) granted for the project on 22.09.2009 for the period of four years. The copy of the same is attached as <b>Annexure 3</b> .

**Remarks:** 1. Environmental Clearance granted for drilling activities of 11 wells in NELP-VII Block-CB-ONN-2005/7 is attached as **Annexure 4**.





**IndianOil**

*Annexure 1*  
*Environment Policy*



# IndianOil

## **Safety, Health & Environment Policy**

Indian Oil Corporation is committed to conduct business with strong environment conscience ensuring sustainable development, safe workplaces and enrichment of quality of life of Employees, Customers and the Community. We, at IndianOil, believe that good S, H&E performance is an integral part of efficient and profitable business management. We shall:

- ◆ Establish and maintain good standards for safety of the people, the processes and the assets.
- ◆ Comply with all Rules and Regulations on Safety, Occupational Health and Environmental Protection.
- ◆ Plan, design, operate and maintain all facilities, processes and procedures to secure sustained Safety, Health and Environmental Protection.
- ◆ Remain trained, equipped and ready for effective and prompt response to accidents and emergencies.
- ◆ Welcome audit of our S, H&E conduct by external body, so that stakeholder confidence is safeguarded.
- ◆ Adopt and promote industry best practices to avert accidents and improve our S, H&E performance.
- ◆ Remain committed to be a leader in Safety, Occupational Health and Environment Protection through continuing improvement.
- ◆ Make efforts to preserve ecological balance and heritage.



**IndianOil**

*Annexure 2*  
*Newspapers clips for EC copy*



# IndianOil



## કોર્પોરેટ કાર્યાલય - નવી દિલ્હી (સંશોધન અને ઉત્પાદન) જાહેર નોટિસ

આ સાર્વ મેક્સ ઇન્ડિઅન ઓઈલ કોર્પોરેશન લિમિટેડ (આઈઓસીએલ) દ્વારા જણાવવાનું કે અમારા પ્રોજેક્ટ "ઓનસોર ઓઈલ એન્ડ ગેસ એક્સપ્લોરેશન ઈન એનઈએલપી (નેલ્પ)- VII બ્લોક સીપી- ઓએનએન-૨૦૦૫/૭ જે મંજૂર થયેલ છે" આવેલ છે જે વડોદરા અને ભરૂચ જિલ્લાઓમાં સ્થિત છે, તેને માનનીય પર્યાવરણ અને વન મંત્રાલય (એમએઈએફ), ભારત સરકાર દ્વારા પર્યાવરણ સંબંધી નિકાલ પરવાનગી ની સંમતિ આપવામાં આવેલ છે. પર્યાવરણ નિકાલ પરવાનગી સંમતિની નકલો મુજરાલ પ્રદુષણ નિયંત્રણ બોર્ડ (ક્રપીસીપી) પાસે ઉપલબ્ધ છે. અને એમએઈએફની વેબસાઈટ <http://envfor.nic.in> પર જોઈ શકાય.

ફીલિસ એઈન ડેઈલ, ડિજિટલ (ઈએનડવી)

મુલાકાત થો : [www.iocl.com](http://www.iocl.com) વિશેષ વિગતો માટે.

# CBI seeks MHA nod to arrest ex-IB boss

EXPRESS NEWS SERVICE  
AHMEDABAD, AUGUST 6

THE CBI sought permission from the Ministry of Home Affairs to arrest Rajinder Kumar, former Special Director of the Intelligence Bureau, in the Ishrat Jahan fake encounter case.

Rajinder Kumar, who retired as the Special Director of the IB on July 31, was the Joint Director heading the Subsidiary Intelligence Bureau (SIB) in Gujarat in 2004 when the Ahmedabad Crime Branch killed Ishrat Jahan, Javed Sheikh and two alleged Pakistanis Amjad Ali Rana and Zeeshan Johar.

The CBI, that was likely to file a supplementary chargesheet in the first week of August, has now sought permission to further delay filing of the second chargesheet.

A source from CBI said,

“There were differences of opinion about Kumar’s summons or arrest and MHA had maintained that the CBI has to take permission from the ministry to summon or chargesheet Kumar. The evidence against Kumar have been presented before the MHA and permission has been sought to book him in the case based on these.”

The CBI has also mentioned three other assistant intelligence officers - Tarun Mittal, Rajeev Wankhede and M K Sinha - who were also mentioned in the first chargesheet. Taking off from the investigation where the CBI stated that Ishrat Jahan and others were killed in a joint operation of the Gujarat Police and IB, the agency has presented more details on the roles played by the intelligence officers.

Sources said the CBI has stated that Kumar had grilled



## STORY OF AN ENCOUNTER

Amjad and Zeeshan after they were abducted and brought to Ahmedabad before the encounter. Kumar had also sent his team to Vasad toll booth in Anand to take custody of Ishrat and Javed. The SIB officers had also helped suspended IPS officer Girish Singhal in collecting the AK 47 rifle from their office.

Under Section 197 (Prosecution of Judges and Public Servants) of the CrPC, the CBI will have to seek sanction without which their chargesheet will have no sanctity in the court. If the MHA gives the nod, Kumar would be chargesheeted along with other SIB offices who aided the Gujarat po-

lice. Kumar is likely to be named for allegedly playing a “crucial role” in generating the intelligence input which led to the encounter that killed Ishrat and four others.

The police had claimed that the Central IB has generated an input stating that two Lashkar-e-Toiba terrorists were coming to Gujarat to kill Chief Minister Narendra Modi.

**IndianOil**

Corporate Office-New Delhi  
(Exploration & Production)  
Public Notice

It is hereby informed by M/s. Indian Oil Corporation Limited (IOCL) that our project "Onshore Oil and Gas Exploration in NELP-VII Block CB-QNN-200577 at Cambay Basin" located at Vadodara and Bharuch Districts has been accorded Environmental Clearance by Honourable Ministry of Environment and Forests (MoEF), Government of India. The copies of the environmental clearance letter are available with the Gujarat Pollution Control Board (GPCB) and may also be seen at MoEF Website at <http://envfor.nic.in>.

Hridesh Baidnall, DGM (E&P)  
Visit: [www.iocl.com](http://www.iocl.com) for more details.

## Drama at court premises

AHMEDABAD: Among P P Pandey’s supporters at the Ahmedabad district court premises, were half-a-dozen sadhus and members of "World Brahmin Federation (Gujarat state)", who shouted slogans as "Jai Hanuman, Hindu Ekta Zindabad" among others.

"I have known Pandeyji for the past three decades. He is a person who can't even slice a fruit so how can he kill four persons. This is unbelievable," said Purshottam Sharma, secretary of World Brahmin Federation, who has been following Pandey everyday at court. ENS

### 'C' Form Lost

C Form bearing No. TN-2011-CTC-OH 0325456 of SRF LTD Chennai RC/2007 33491080984 name sent to Jubilant Industries Ltd (New Name - Jubilant Agri and Consumer Products Ltd) has been lost. Whosoever finds and return the same will be suitably awarded. Please contact on below address:

**Jubilant Agri and Consumer Products Ltd.**  
Block 129, Village Samlaya, Tal. Savli, Dist. Vadodara.  
Ph. No. 02667-251281

**NATIONAL INSTITUTE OF RURAL DEVELOPMENT**  
Rajendranagar, Hyderabad-500 030, India  
(Ministry of Rural Development, Govt. of India)

**Chair Professor on "Rural Labour" in honour of Late Shri S.R.Sankaran**  
NIRD invites applications for Chair Professor constituted in honour of Late Shri S.R.Sankaran, an eminent civil servant and acclaimed rural development administrator.

Shri S.R.Sankaran Chair Professor should be a person of national / international eminence either from India or abroad who can guide and inspire research, consultations and also initiatives among academics, administrators, political parties and civil society groups. He/She should possess qualifications normally required for a Senior Professorship. The interested persons should send their resumes to the Chair Professor, National Institute of Rural Development, Rajendranagar, Hyderabad-500 030, India.

**DIAMOND POWER INFRASTRUCTURE LTD.**  
Formerly Known as Diamond Cables Ltd.  
An ISO 9001:2000 Company

Regd. Office: Phase II, VII, Vadadala, Tal. Savli, Dist. Vadodara - 391 520, India.

**NOTICE**

NOTICE is hereby given that following share certificates are lost / misplaced by the shareholders.

Sr No.	Folio No.	Name of the Shareholder	Share Cert. Nos.	Distinctive Nos. From-To	No. of Shares
1	DPL0009315	NENUMAL BHATIA DROPAJI N BHATIA	46341-46370	4633901-4636900	3000
2	DPL0009122	DROPAJI N BHATIA NENUMAL BHATIA	45111-45140	4510901-4513900	3000
3	DPL0046007	RAJEEV GOEL	30722 68268	3072001-3072100 6784804-6784903	100 100
4	DPL0029183	I T VASVANI	36980	3697801-3697900	100
5	DPL0025276	KUMUD CHHOTAI BHUPENDRA CHHOTAI	69496-69498 100821	6907404-6907703 21779931-21780030	300 100
6	DPL0011446	OM PRAKASH KHANDELWAL	18943	1894101-1894200	100
7	DPL0050405	CHANDU BABULAL POPAT	35131 35168 55181 58579 58585-58588	3512901-3513000 3516601-3516700 5483534-5483633 5822081-5822180 5822681-5823080	100 100 100 100 400
8	DPL0031192	RAJSHREE PATEL VITHAL	38989 59703-59704	3898701-3898800 5933638-5933837	100 200
9	DPL0040985	MALATHI HARIHARAN	30000 42288 55337-55338	2999801-2999900 4228601-4228700 5499134-5499333	100 100 200
10	DPL0020231	KIRIT BHUPENDRA VORA BHUPENDRA RAMNIKLAL VORA	57629	5727252-5727351	100
11	DPL0039190	ARUNA SHARMA	21386 21388	2138401-2138500 2138601-2138700	100 100

Any person/s has / have any claim/s pertaining to the above share certificates, are requested to lodge their claim/s with supporting papers to Karvy Computershare Private Limited, 17, 24, Vittal Rao, Near, M. G. Road, Hyderabad - 500 082, India.



**IndianOil**

*Annexure 3*  
*Petroleum exploration License*

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Grant of Petroleum Exploration  
Licence for the Block CB-ONN-2005/7  
(NELP-VII), area measuring 199.00 Sq.Km,  
in Vadodara & Bharuch Dist.

Government of Gujarat,  
Energy & Petrochemicals Department,  
No. PEL-10-2009-147-E,  
Sachivalaya, Gandhinagar.

Dated the

**31 MAY 2010**

Read: (1) Indian Oil Corporation Ltd.'s letter No. E&P/CO/51 dated 05.01.2009.  
(2) Ministry of Petroleum and Natural Gas D.O.letter No. 0-12012/47/2008-  
ONG.III dated 19.01.2009.

**ORDER:**

In exercise of the powers conferred by Rule 5(1) (ii) of the Petroleum and Natural Gas Rules, 1959, the Government of Gujarat is pleased to Grant a Petroleum Exploration License to Indian Oil Corporation Ltd.as an operator for a period of 4 years (Four years) to prospect for petroleum with effect from the date of issue of the order in the area admeasuring 199.00 Sq.Km. for the Block CB-ONN-2005/7(NELP-VII) in *Vadodra & Bharuch* Dist.

The grant of the licence is subject to the terms and conditions mentioned below:

- (a) If any minerals are found during the exploration work, the Indian Oil Corporation Ltd.should bring them to the notice of State Government with full particulars available with them.
- (b) The Indian Oil Corporation Ltd.has deposited security deposit prescribed in Rule 13 of the Petroleum & Natural Gas Rules, 1959. The Indian Oil Corporation Ltd.has also paid the necessary amounts as an application fee and preliminary expenses as detailed below :

Sr. No.	Nature of payment	Challan No. & Date	Amount Rs.	Head of Account
1	2	3	4	5
1.	.Security Deposit, Deposited in S.B.I., Gandhinagar.	08.01.2009	Rs.1,00,000/-	(B) Deposit not bearing interest. Major Head-8443-Civil Deposits. Sub Head-103- Security Deposit. Minor Head-(1) Deposits from IOCL under P&NG Rules,1959.
2.	Application fee & preliminary expenses Deposited in S.B.I., Gandhinagar.	08.01.2009	Rs.34,950/-	0853, Mines & Minerals, (e) Mineral Concession fee and royalty. Receipts under Petroleum & Natural gas Rules, 1959.

- (c) The Indian Oil Corporation Ltd shall immediately on demand submit to the State Government and the Director of Petroleum confidentially a full report of the Geological

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data of all the minerals found during the exploration of oil and/or gas and shall submit without fail every six months, the results of all operation boring and exploration to the State Government and Central Government.

(d) The Indian Oil Corporation Ltd. shall take preventive measures against the hazard of fire under ground and/or on the surface and shall keep such equipment, supplies and means to extinguish the fire at all times and shall pay such compensation to the third party and/or Government as may be determined in case damage due to fire.

**OTHER TERMS AND CONDITIONS:-**

- (1) The license shall be in respect of Crude Oil and Natural Gas.
- (2) The grant of license shall be valid for a period of 4 (Four) years.
- (3) This license shall be subject to the provision of Oil field (Regulations and Development) Act, 1948, (53 of 1948) and the Petroleum & Natural Gas Rules, 1959 made there under as amended from time to time.
- (4) Immediately on demand or upon determination or relinquishment of any area covered by this lease, the lessee shall furnish to the Central Government / DGH, through the State Government confidentiality, the complete records of data as specified in Rule 19 (c) of the P&NG Rules, 1959. The lessee shall submit to Central Government, without fail, every six months the results of all operations, boring and test production.
- (5) If any minerals other than petroleum are found during the exploration activities, Licensee shall bring that to the notice of the Central Government with full particulars thereof.
- (6) All army Cantonments, stations, depots, establishments, field firing ranges and ordnance factories within the exploration block are excluded from exploration, survey and digging activities.
- (7) For development of new roads and tracts related to exploration activities in the border belt, prior sanction of Ministry of Defence shall be obtained.
- (8) For work in close proximity of Army cantonments/Stations, depots, ranges, ordnance factories and visits to these installations, if any, specific permission of Army authorities shall be taken.
- (9) Necessary approval from the Competent Authority should be obtained for the Reserve Forest Area (if any) falling in the licensed area.  
"However, the Licensee may carryout surveys for oil exploration in the Reserved Forest Area falling in such leased area without obtaining prior clearance of the Ministry of Environment and Forests, Government of India under the Forest (Conservation) Act, 1980 so long as the surveys do not involve cutting of trees. The Licensee shall, however, in no circumstance carry out such surveys in specially protected areas like wildlife sanctuary, national park and preservation or sample plots demarcated by the Forest Department (Re. Letter No.11-28/86-FRY (CONS) dated 8-5-1986, Department of Environment & forest & Wildlife, Government of India).
- (10) If international companies or foreigners are entrusted with the task, the Licensee may get security vetting of these companies through the appropriate Government agencies with help of this Ministry. The lessee shall also seek prior clearance from the Ministry of Home Affairs and Ministry of Defense with the full particulars of the foreigner employees under intimation to this Ministry.
- (11) The exploration activities shall not interfere with the safety/security of any civil VA/VP covered in this area.
- (12) The Licensee shall issue identity card to each of the employees. The system of checking identity cards of personnel will have to be strictly enforced.
- (13) Security to its employees both at the project sites and en-route in insurgency-affected areas will be the responsibility of the Licensee.



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- (14) Licensee shall allow Government, authorities to enter and inspect area for security check-up, if necessary.
- (15) Licensee shall not employ any foreign national surreptitiously in the area along the border.
- (16) No ground / aerial survey of the Defense VAs/VPs is permitted. Aerial survey, if any would be governed by the provisions of Ministry of Defense letter No. 18(8)/82-D (GS 111) dated January 31, 1989.
- (17) Air Force area falling within the zones embarked for delineation should be avoided.
- (18) For works in close vicinity of Indian Air Force units / installations and visit to these installations, if any, specific permission of Air Headquarters, should be obtained.
- (19) Any work within 500m of the perimeter of Air Force Station should be intimated to Air Force authority at least 10 days before commencement of the activities.
- (20) No obstruction shall be erected higher than 15 mtrs. Within 5 kms. radius of Air Force Air Fields and construction of any high mast / towers shall be carried out in consultation with the Air Force Authority.
- (21) Planned use of explosives on or below the surface shall be intimated to Air Force Authority atleast 48 hours in advance.
- (22) No drilling work or installation of pipeline shall be carried out in and around village lake or residential area.
- (23) All approach roads and natural drainage should be kept clear, open and intact.
- (24) No work shall be carried out as to damage public interest in any form.
- (25) No existing infrastructure public or private underground utility and human beings to be harmed.
- (26) The licensee have to submit the report of activities carried out in the said PEL area to the Director of Petroleum every month.
- (27) During the license period if any discovery is made, licensee has to immediately report it to the State Government and Director of Petroleum.
- (28) Licensee shall execute a separate lease deed in respect of such other covenants, terms and conditions as per the prescribed format.
- (29) Infringement of any one or more of the conditions enumerated above shall automatically render this PEL null and void ab-intio.

By order and in the name of the Governor of Gujarat,

  
(K.H. Chönera)

Under Secretary to Government,  
Energy and Petrochemicals Department.

To,

- The District Collector, Dist. Vadodara/Bharuch.
- The Director of Petroleum, Gandhinagar.
- The Accountant General, Ahmedabad.
- The Accountant General, Rajkot.
- Shri B.K. Dutta, Under Secretary to the GOI, Ministry of Petroleum & Natural Gas, Shastri Bhavan, New Delhi.
- Shri V.S.Okhde, Executive Director (E&P) Indian Oil Corporation Ltd, Indian Oil Bhavan, No-1, Sri Aurobindo Marg, Yusuf Sarai, New Delhi-110016.
- The Select file.



**IndianOil**

*Annexure 4*  
*Environmental Clearance copy*

F. No. J-11011/279/2011 - IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

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

E-mail : vp.upadhyay@nic.in  
Telefax : 011: 2436 2875  
Dated 7<sup>th</sup> June, 2013

To

Shri Hridesh Baidail (Dy. General Manager)  
M/s Indian Oil Corporation Limited.  
7<sup>th</sup> Floor, Indian Oil Bhavan Sri Aurobindo Marg,  
Yusuf Sarai, New Delhi - 110016

E -mail: [baidailh@indianoil.co.in](mailto:baidailh@indianoil.co.in) ; Fax : 91-11-26512611

**Subject: Drilling Activities of On-Shore Oil & Gas Exploration at Cambay Basin, Block-CB-ONN-2005/7 in Vadodara and Bharuch Districts, Gujarat by M/s Indian Oil Corporation Limited – Environmental Clearance reg.**

**Ref. : Your letter no. E & P/CO/163 dated 22<sup>nd</sup> October, 2012.**

Sir,

This has reference to your letter dated 22<sup>nd</sup> October, 2012 alongwith Form-1, Prefeasibility Report, EIA/EMP report alongwith public hearing report regarding the above mentioned subject.

2.0 The Ministry of Environment & Forests has examined your application. It is noted that proposal is for onshore exploratory drilling of 11 wells at Cambay Basin, Block-CB-ONN-2005/7 in Vadodara and Bharuch Districts of Gujarat. Ministry of Petroleum & Natural Gas (MoPNG), Govt. of India awarded exploration block CB-ONN-2005/7 to Indian Oil Corporation Ltd. during seventh round of bidding under New Exploration Licensing Policy (NELP). A Production Sharing Contract (PSC) was signed between the Government of India (GoI) and Indian Oil Corporation Limited (IOCL) on 22<sup>nd</sup> December, 2008. The proposed block CB-ONN-2005/7 spreads across an area of 199 sq. km. in Vadodara and Bharuch districts of Gujarat. As per the Production Sharing Contract (PSC), the project will involve drilling of 10 exploration wells of 2000 m depth each in Phase-1 & one exploration well of 800 m depth in phase-2 within licensed area of 199 km<sup>2</sup> of which 175 km<sup>2</sup> and 24 km<sup>2</sup> in Vadodara and Bharuch Districts respectively. Narmada River is flowing within the block. Dhadhar River (7.6 km) and Vishwamitri River (9.00 km) are flowing within 10 Km distance. Cost of project is Rs. 310.00 Crore. No forest land is involved. No national park/ wildlife sanctuary/ reserve forest is located within 10 km from the proposed wells. Coordinates of the Block are as follows:

Point	Latitude	Longitude
A	21°57'16.00"	73°01'26.00"
B	21°57'24.00"	73°00'14.00"
C	21°58'42.00"	73°00'17.00"
D	22°00'40.00"	73°04'22.00"
E	21°59'32.00"	73°05'00.00"
F	22°02'00.00"	73°05'00.00"
G	22°02'10.00"	73°05'00.00"
H	22°02'10.00"	73°07'20.00"

I	21°59'52.00"	73°07'20.00"
J	21°59'52.00"	73°11'43.00"
K	21°54'00.00"	73°14'50.00"
L	21°54'00.00"	73°08'02.00"
M	21°54'00.00"	73°05'50.89"
N	21°56'52.23"	73°04'47.84"
O	21°58'2.42"	73°03'8.74"

3.0 Air emissions from D.G. sets will be dispersed by providing adequate stack height. Water based mud will be used. Total water requirement from ground water/surface water source will be 40 m<sup>3</sup>/day. Drilling and wash water generation will be 20 m<sup>3</sup>/day and treated in ETP and stored in HDPE lined pit. Domestic effluent will be treated in septic tank followed by soak pit. No effluent will be discharged outside the premises and 'Zero' effluent discharge concept will be adopted. Drilling well will generate drill cutting (800 MT) and drilling mud (20 m<sup>3</sup>) and stored in HDPE lined pit. Disposal of drill cuttings and drill mud will be carried out in accordance with the GSR 546 (E) dated 30<sup>th</sup> August, 2005. Used oil will be sold to authorized recyclers.

4.0 The proposal was considered by the Expert Appraisal Committee (Industry-2) in its 25<sup>th</sup> meeting held during 28<sup>th</sup>-30<sup>th</sup> July, 2011 and by the Reconstituted Expert Appraisal Committee (Industry) in its 4<sup>th</sup> meeting held during 8<sup>th</sup> – 9<sup>th</sup> January, 2013 respectively.

5.0 All the projects related to offshore and onshore Oil and Gas exploration, development and production are listed in para 1(b) of schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level.

6.0 Public hearings/public consultations were held on 14<sup>th</sup> August, 2012 for Vadodara District and 1<sup>st</sup> July, 2012 for Bharuch District.

7.0 Based on information submitted by you, presentation made by you and Environmental Consultant namely M/s SENES Consultants India Pvt. Ltd., the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to strict compliance of the following specific and general conditions:

**A. SPECIFIC CONDITIONS :**

- i. Gas produced during testing shall be flared with appropriate flaring booms. The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.
- ii. Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, CH<sub>4</sub>, HC, Non-methane HC etc.
- iii. Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.
- iv. Approach road shall be made pucca to minimize generation of suspended dust.
- v. The company shall make the arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height shall be provided as per CPCB guidelines.

- vi. Total water requirement shall not exceed 25 m<sup>3</sup>/day/well and prior permission should be obtained from the Competent Authority.
- vii. The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
- viii. Drilling wastewater 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 as per the design approved by the CPCB and obtain authorization from the SPCB. Copy of authorization or membership of TSDf shall be submitted to Ministry's Regional Office at Bhopal.
- ix. No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies.
- x. Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.
- xi. Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.
- xii. 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) dated 30<sup>th</sup> August, 2005.
- xiii. The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.
- xiv. The company shall develop a contingency plan for H<sub>2</sub>S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H<sub>2</sub>S detectors in locations of high risk of exposure along with self containing breathing apparatus.
- xv. The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and its Regional Office at Bhopal.
- xvi. Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.
- xvii. Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.

- xviii. The company 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 the area in 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.
- xix. All the commitments made to the public during public hearing/public consultation meeting held on 14<sup>th</sup> August, 2012 for Vadodara District and 1<sup>st</sup> July, 2012 for Bharuch District shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xx. Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.
- xxi. In case the commercial viability of the project ( for exploratory drilling) is established, the Company shall prepare a detailed plan for development of oil and gas fields and obtain fresh environmental clearance from the Ministry.
- xxii. Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Bhopal.
- xxiii. Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office at Bhopal.
- xxiv. Under Corporate Social Responsibility (CSR), sufficient budgetary provision should be made for health improvement, education, water and electricity supply etc. in and around the project.
- xxv. An audit shall be done to ensure that the Environment Management Plan is implemented in totality and report shall be submitted to the Ministry's Regional Office.
- xxvi. Company should prepare and circulate the environmental policy.
- xxvii. All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.
- xxviii. Company shall have own Environment Management Cell having qualified persons with proper background.
- xxix. Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.
- xxx. Ground water analysis should be carried out at different depth to see stratification.
- xxxi. Drilling site should be at least 500 m away from the school.
- xxxii. On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.
- ii. No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- vi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- vii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the GPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- viii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the GPCB. The Regional Office of this Ministry / CPCB / GPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- ix. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.

- x. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the GPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.
- xi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(V. P. Upadhyay)  
Director

Copy to:

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar - 382 010, Gujarat.
2. The Chief Conservator of Forests (Western Zone), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

(V. P. Upadhyay)  
Director