

4th EC Compliance Report for the NELP-VII Block CB-ONN-2005/7, Cambay Basin Gujarat



	Conditions	Compliance
Sl. No.	SPECIFIC CONDITIONS	
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.	Noted and would be complied with. 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 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Noted and complied.
3.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Noted and complied.
4.	Approach road shall be made pucca to minimize generation of suspended dust.	Noted and complied.
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.	Noted and complied. 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 are commissioned in drilling campaign.
6.	Total water requirement shall not exceed 25 m ³ /day and prior permission shall be obtained from the competent authority.	Noted and complied.

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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.	Noted and is being complied during drilling activities. Waste water generated during drilling is being collected in impervious HDPE lined pits. Portable ETP is installed at drill site for treatment of waste water generated 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 are being 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 through agency with authorized TSDF membership.
9.	No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies.	Noted and complied.
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 is being provided at drill site and domestic sewage is being 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.	Oil spill response scheme has been prepared and implemented onsite. Onsite spill kits has been provided to avoid minor spills. Additionally proper measures will be taken care to fulfill the condition. Noted and complied.
12.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling	Noted. Adequate measures will be taken to comply the guidelines during drilling activities.

	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.	Noted. Fire fighting equipments and personal protective equipments are provided at the site. Comprehensive HSE manual has been prepared for the drilling activities and same is being 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 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.	Noted. 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.	Blow out Preventer system is being installed 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 is being followed during drilling operations.

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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.	Noted and complied.
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 complied.
20.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Noted. Adequate measures will be taken to comply with the guidelines during drilling activities.
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.	Noted. Adequate measures will be taken to comply with the guidelines during drilling activities.
24.	Under Corporate Social Responsibility (CSR), sufficient budgetary provision should be made for health improvement, education, water and electricity supply etc. in and around the	Noted. Adequate measures will be taken to comply with the guidelines during drilling activities.

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	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. Adequate measures will be taken to comply with the guidelines during drilling activities.
26.	Company should prepare and circulate the environmental policy.	Environmental Policy has been prepared and Circulated. Environment Policy of IOC is attached as Annexure-I .
27.	All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.	Noted and complied.
28.	Company shall have own Environment Management Cell having qualified persons with proper background.	Noted and 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 complied.
30.	Ground water analysis should be carried out at different depth to see stratification.	Noted. Adequate measures will be taken to comply with the guidelines during drilling activities.
31.	Drilling site should be at least 500 m away from the school.	Noted and accepted.
32.	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	Plug & abandonment job are being carried out as per Oil Mines Regulation (OMR).

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Sl. No.	GENERAL CONDITIONS	
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).	Noted and Complied. 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. Noise level monitoring is being carried out and report would be submitted with next six monthly EC Compliance report.
5.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Monitoring from MoE&F approved lab is being carried out.

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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 ₁₀ , SO ₂ , NO _x , 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 and accepted.
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 st 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	The environmental statement for the financial year ending 31/3/2015 (2014-15) in Form-V will be submitted to the Gujarat Pollution Control Board as well as same would be uploaded along with the status of compliance of environmental conditions in the IOC website . The same is

	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.	enclosed as Annexure- II .
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 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.	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 Annexure III .
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 31.05.2010 for the period of four years. The copy of the same is attached as Annexure IV . Vide order dated 15.4.2015, Government of Gujarat has granted PEL extension for fifth and sixth year i.e from 31.5.2014 to 31.5.2016. PEL extension order is enclosed as Annexure-V .

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

2. Consent to Establish (CTE) and Consent to Operate (CTO) granted by Gujarat Pollution Control Board (GPCB) for the project is attached as **Annexure-VII**.



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Annexure I
Environment Policy



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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.



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Annexure II
Environmental Statement Copy

ENVIRONMENTAL STATEMENT REPORT For Year 2014 – 2015**INDIAN OIL CORPORATION LIMITED****PART – A**

- i Name & address of the owner / Occupier of the industry operation or process : **MR. HIRDESH BAINDAIL
DY. GENERAL MANAGER (E&P)
7TH FLOOR, INDIAN OIL BHAVAN
NO. 1, SRI AUROBINDO MARG
YUSUF SARAI, NEW DELHI-110016**
- ii Date of the last environmental Audit Report submitted :
- iii Production Capacity : **Nil - Exploratory Drilling**
- iv Year of Establishment :
- v Last Environment Statement Submitted : **For FY 2013-14**
- vi Industry Category : **Oil and Gas Exploration**
- vii Primary STC Code : **13**
- vii Secondary SIC Code : **131**

PART – B**WATER AND RAW MATERIAL CONSUMPTION**(i) Water Consumption, 10 m³ / dayCooling : **NIL**Domestic : **1 KL/DAY**Process : **(Mud preparation): 9 KLD**

Name of Products	Water consumption per unit of product output	
	During the previous financial year	During the current financial year
	(1)	(2)
Oil and gas exploration project	Nil	9 KLD was used for mud preparation during drilling activity

(ii) Raw material consumption

Name of raw material consume	Name of Products	Consumption of raw material per Day
No raw material required	Oil and Gas exploration project	Nil

PART – C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quality of Pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/day)	Percentage of variation from prescribed standards with reasons
(a) Water	---		Waste water generated due to mud preparation and other washing activity is being treated through ETP.
	DOM : 1 KL/DAY		DISPOSED OFF THROUGH SEPTIC TANK/ SOAK PIT SYSTEM
(b) Air			
DG Set	PM, SO_x, NO_x	PM < 150 Mg/NM³ SO_x < 100 PPM NO_x < 50 PPM	WITHIN LIMIT

PART – D

HAZARDOUS WASTES

Hazardous Wastes	Total Quantity (kg)	
	During the previous financial year	During the current financial year
(a) From process • Drilling cuttings	Nil	150 MT/Well
(b) From pollution control facility ETP SLUDGE	Nil	Nil

**PART – E
SOLID WASTES**

Solid Wastes	Total Quantity (kg)	
	During the previous financial year (April 2013 – March 2014)	During the current financial year (April 2014 – March 2015)
(a) From process	Nil	
(b) From pollution control facility		
(c) (1) Quantity recycled or re-utilized within the unit		
(2) Sold		
(3) Disposed (Sent to land filling site)		

PART – F

Please specify the characteristics (in terms of concentration & quantum) of hazardous as well as solid wastes & indicate disposal practice adopted for both these categories of wastes.

ETP SLUDGE : NIL
Drill cutting: 150 MT/Well

Drill Cutting: Would be disposed as per GPCB Norms.

PART – G

Impact of the pollution control measures taken on conservation of natural resources & consequently on the cost of production.

AIR

WATER

INDUSTRIAL: Waste water generated due to mud preparation and other washing activity is being treated in ETP.

DOMESTIC : DISPOSED OFF THROUGH SEPTIC TANK / SOAK PIT SYSTEM

**SOLID /
HAZARDOUS
WASTE**

ETP SLUDGE: NIL

Drill Cuttings: Would be disposed as per GPCB Norms.

PART - H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

NOT APPLICABLE

PART - I

Any other particulars for improving the quality of the environment.

(Signature of a person carrying out an industry-operation or process)

Date : 9/6/15

Hridesh Baidail

Name : Hridesh Baidail
Designation : Dy. General Manager (E&P)
Address : 7th Floor, Indian Oil Bhavan
No. 1, Sri Aurobindi Marg
Yusuf Sarai
New Delhi - 110 016



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Annexure III
Newspapers clips for EC copy



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

આ સાર્વ મેજર્સ ઈન્ડિયન 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 બેઠિન ખાતે” આવેલ છે જે વડોદરા અને ભરૂચ જિલ્લાઓમાં સ્થિત છે, તેને માનનીય પર્વાવરણ અને વન મંત્રાલય (એમઓઈએક), ભારત સરકાર દ્વારા પર્વાવરણ સંબંધી નિકાલ પરવાનગી ની સંબંધિ આજ્ઞામાં આવેલ છે. પર્વાવરણ નિકાલ પરવાનગી સંબંધિની નાણાં મુજરાલ પ્રક્રમણ નિયંત્રણ બોર્ડ (કમીસીપી) યાજે ઉપલબ્ધ છે. અને એમઓઈએકની વેબસાઈટ <http://envfor.nic.in> પર જોઈ શકાયે.

ફીલ્ડ બેઈન ડેઈલ, ડીજીએમ (ઈએ-ડવી)

મુલાકાત ઘો : 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 Baidnail, DGM (E&P)
Visit: 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 applications to the Chair Professor, NIRD, 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 DROPADEE N BHATIA	46341-46370	4633901-4636900	3000
2	DPL0009122	DROPADEE 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.



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Annexure IV
Petroleum exploration License

10101010

10-10

1/2

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.



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Annexure V
Petroleum exploration License Extension Order

5th and 6th Year Extension of
Petroleum Exploration Licence to
IOCL for CB-ONN-2005/7(NELP-
VII) block for 199.00 Sq. Km.

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

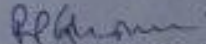
Dated the 15 APR 2015

Read:- 1) Government Order of even number dated 31-05-2010.
2) IOCL Letter No.E & P/CO/163 Dated: 11-03-2015.

ORDER

In pursuance of Rule-10 of the Petroleum & Natural Gas Rules, 1959. Government of Gujarat is pleased to grant Fifth and Sixth year extension from 31-05-2014 to 30-05-2016 to the IOCL Vide Letter referred to at Sr.No.2 in the preamble in respect of PEL granted under Government Order referred to at Sr.No. 1 above.

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


(R.P.Ghoghari)
Section Officer,

Energy & Petrochemicals Department

To,

- The District Collector, Vadodara/Bharuch.
- The Director of Petroleum, Gandhinagar.
- The Accountant General, Rajkot.
- The Accountant General, Ahmedabad.
- The Shri Hridesh Baidail, Dy.G.M.(E. & P.), Indian Oil Corporation Ltd., 1, Sri Aurobindo Marg, Yusuf Sarai, New Delhi-110016.
- Under Secretary to Government of India, Ministry of Petroleum & Natural Gas, (Deptt. of Petroleum & Natural Gas), Shastri Bhavan, New Delhi.
- The Director General (Hydro Carbon), C-139, Sector-63, Noida-201301.
- The Select file



IndianOil

Annexure VI
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 7th June, 2013

To

Chd
15/2/13
Shri Hridesh Baidail (Dy. General Manager)
M/s Indian Oil Corporation Limited.
7th Floor, Indian Oil Bhavan Sri Aurobindo Marg,
Yusuf Sarai, New Delhi - 110016

E -mail: baindailh@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 22nd October, 2012.

Sir,

This has reference to your letter dated 22nd 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 22nd 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 km² of which 175 km² and 24 km² 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 m³/day. Drilling and wash water generation will be 20 m³/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 m³) 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 30th 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 25th meeting held during 28th-30th July, 2011 and by the Reconstituted Expert Appraisal Committee (Industry) in its 4th meeting held during 8th – 9th 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 14th August, 2012 for Vadodara District and 1st 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 14th 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 16th November, 2009 for PM₁₀, PM_{2.5}, SO₂, NO_x, CO, CH₄, 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 m³/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 30th 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 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.
- 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 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.
- 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; PM₁₀, SO₂, NO_x, 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 31st 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, 8th 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



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Annexure VII
Consent to Establish & Consent to Operate



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

CONSENT TO ESTABLISH

CTE NO:65675

NO: GPCB/NOC-VRD-3776/ID-42847/232742

Date:06/12/2014.

TO,

M/s. Indian Oil Corporation Ltd

Karjan(Total 175 Sq. M area Boelck),

Drilling well, Karjan, (Block Cb- onm-2005/7) onshore,

Near Karjan Village – 391240

Tal: Karjan, Dist: Vadodara.

Sub: Consent to Establish (NOC) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

Ref: Your online CTE- fresh application. No: 81769 dated: 27/06/2014.

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants Consent to Establish (NOC) for setting up of an industrial plant/activities at (Block Cb- onm-2005/7) onshore, Karjan(Total 175 Sq. M area Boelck). Drilling well, Karjan ..Near Karjan Village - 391240 Tal: Karjan, District, Vadodara for the manufacturing of the following item with the conditions mentioned herewith. The Validity period of the order will be up to 23/06/2019.

Sr. No.	PRODUCT	QUANTITY
1.	Drilling of Exploratory wells	5 Nos.

1. SPECIFIC CONDITION:

- 1.1 Applicant shall comply with all the conditions stipulated by Ministry of Environment and Forests, New Delhi. GOI in their order of Environment Clearance No. F.No.J – 11011/279/2011- IA 11(1) dated. 07/06/2013.

GPCB ID-42847

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

- 1.2 Applicant shall obtain N.A. permission from Competent Authority & shall submit to this office before commencing the production/ activities.

2. CONDITION UNDER THE WATER ACT:

- 2.1 The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed to 10 kl /day.
- 2.2 The quantity the domestic waste water (sewage) shall not exceed 1.50 kl/ day.

3 TRADE EFFLUENT:

- 3.1 The ETP plant shall conform to the following units:
1. Solar evaporation pond
- 3.2 The entire effluent from the industrial plant shall be evaporated & there shall no discharge of any industrial effluent into an environment like river, land, drain, nallah etc.
- 3.3. Domestic effluent shall be disposed off through septic tank/soak pit system.

4. CONDITIONS UNDER AIR ACT 1981:

- 4.1 The following shall be used as fuel into boilers/ furnaces/ D.G sets etc.

Sr. No.	FUEL	QUANTITY
1.	HSD	6 kl/day

- 4.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.
- 4.3 The flue gas emission through stack attached to Boiler & D.G. Set shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Parameter	Permissible Limit
1.	D.G.Sets (500 KVA)	11	Particulate Matter SO ₂ NO _x	150 mg/NM ³ 100 ppm 50 ppm
2.	D. G. Set (100 KVA)	11	Particulate Matter	150 mg/NM ³ 100 ppm



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

4.4 D.G.Set standards:-

The flue gas emission through stack attached to D.G.Set shall conform to the following standards.

- a. The minimum height of stack to be provided with each of the generator set shall be $H=h + 0.2 (KVA)^{1/2}$, where H= Total stack height in meter, h= height of the building in meters where or by the side of which the generator set is installed.
 - b. Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.
 - c. The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.
 - d. The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
 - e. All efforts shall be made to bring down the noise level due to the D.G.Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
 - f. Installation of a D.G.Set must be strictly in compliance with the recommendations of the D.G.Set manufacturer.
 - g. A proper routine and preventive maintenance procedure for the D.G.Set should be set and followed in consultation with the DG Set manufacture which would help prevent noise levels of the DG Set from deteriorating with use.
 - h. There shall be no generation of Process emission from the manufacturing activities and other ancillary industrial operation.
- 4.5 There shall be no emission of Process gas from the manufacturing activities and other ancillary industrial operation.
- 4.6 Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.
5. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10meters from the source) other than the stack/vent) shall not exceed the following levels.

PARAMETER	PERMISSIBLE LIMIT ANNUAL	PERMISSIBLE LIMIT 24 HRS. AVERAGE
Particulate matter- 10[PM10]	60 Microgram /NM ³	100 Microgram /NM ³
Particulate matter- 2.5[PM2.5]	40 Microgram /NM ³	60 Microgram /NM ³
Oxides of Sulphur	50 Microgram /NM ³	80 Microgram /NM ³
Oxides of Nitrogen	40 Microgram /NM ³	80 Microgram /NM ³

6. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.
7. The Industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

8. CONDITIONS UNDER HAZARDOUS WASTE RULES 2008 AS AMENDED

- 8.1 The applicant shall provide temporary onsite storage facilities for each type of Haz Waste as per Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 as amended from time to time.
- 8.2. The applicant shall be obtained membership of authorized common hazardous waste incinerator facility and/or common TSDF facility for disposal of hazardous wastes based on its characteristics and as categorized in Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 as amended from time to time.
- 8.3. Hazardous Waste generated shall be disposed off in accordance with the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and unit shall have to obtain authorization of the Board for all applicable categories of Hazardous wastes.
- 8.5 The applicant shall explore possibilities for waste minimization, reuse, recovery, and utilization. The applicant shall also explore possibilities of utilization/ treatment/ disposal of high calorific wastes through authorized Cement kilns.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382 010

Phone : (079) 23226295

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Website : www.gpcb.gov.in

- 8.6 Applicant shall comply the guideline for Disposal of Solid waste, Drill activities & Drilling fluids for onshore drilling operation as published/ notified by the Ministry of Environment Forests & Climate change, New Delhi & Central Pollution Control Board New Delhi.

GENERAL CONDITIONS:

9. You shall obtain the permission from all the relevant Agencies / Authorities as applicable before starting any activities.
10. The unit shall install meters for measuring category wise consumption of water (category as given in Water – Cess Act 1977, Schedule – II).
11. Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 10 meters width is developed.
12. The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
13. In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.
14. The applicant shall however, not without the prior consent to operate of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
15. The applicant also comply with the General conditions as per Annexure - I attached herewith (No.1 to 38) (whichever applicable).
16. The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:

Between 6 A.M. and 10 P.M.: 75 dB (A)

Between 10 P.M. and 6 A.M.: 70 dB (A)

17. Applicant is required to comply with the Manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
18. If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property in that case they are obliged to pay the compensation as determined by the competent authority.

**For and on behalf of
Gujarat Pollution Control Board**


**(Dipali Tank)
Unit Head**



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar-382 021.
Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c) & 5(S) of the Hazardous Waste (Management and Handling and Trans boundary Movement) Rules '2008 framed under the E (P) Act-1986.This Board is empowered to grant CC&A.

And whereas Board has received consolidated consent application Inward No.88007, Dated:07/01/2015 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

To,

M/s. Indian Oil Corporation Ltd.

(Block Cb-Onm-2005/7) onshore,

Karjan (Total 175 Sq. M Area Block),

Drilling Well, Karjan, Near Karjan village-391240

Tal:Karjan, Dist: Vadodara.

1. Consent Order No.: AWH-68947, Date of issue: 06/01/2015.
2. The consent shall be valid up to **05/01/2020** for the use of outlet for the discharge of treated effluent & air emission and to operate exploratory wells/plant as under:-

Sr. No.	Product	Quantity
1.	Exploratory Wells	5 Nos.

1. Specific Condition:

- 1.1. Applicant shall Comply with all the Conditions Stipulated by Ministry of Environment and forests, New Delhi, GOI in their order of Environment Clearance No.F. No.J-11011/279/2011-IA 11(1) dated.07/06/2013.
- 1.2. Applicant shall obtain prior permission of other competent authorities as required.

2. CONDITIONS UNDER WATER ACT:-

- 2.1 The quantity of trade effluent from the factory shall not exceed 10 KL/day. The entire effluent shall be evaporated & there shall be no discharge of any industrial effluent into an environment like river, drain etc.

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- 2.2 The quantity the domestic waste water (sewage) shall not exceed 1.50 KL/day.
- 2.3 Domestic effluent shall be disposed of through septic tank/soak pit system.

3. CONDITIONS UNDER THE AIR ACT:

- 3.1. The following shall be used as fuel in D.G. Set.

Sr. No.	Fuel	Quantity
1.	HSD	6 KL/Day

- 4.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.

- 4.2.1 The flue gas emission through stack attached to D.G. Set shall conform to the following standards.

Sr. No	Stack Attached To	Stack Height	Parameter	Permissible Limit
1.	D.G. Set (500 KVA)	11 Meter	Particulate Matter	150 mg/NM ³
			SO ₂	100 ppm
2	D.G. Set (100 KVA)	11 Meter	NOx	50 ppm

- 4.2.2 There shall be no process gas emission from the manufacturing process and other ancillary industrial operations.

- 4.2. Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents Chimney in order to facilitate sampling of gases being emitted into the atmosphere.

- 4.3. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10meters from the source) other than the stack/vent) shall not exceed the following levels.

Parameter	Permissible Limit Annual	Permissible Limit 24
		Hrs. Average
Particulate matter- ₁₀ (PM10)	60Microgram/NM ³	100Microgram /NM ³
Particulate matter- _{2.5} (PM2.5)	40Microgram/NM ³	60 Microgram /NM ³
Oxides of Sulphur	50Microgram/NM ³	80 Microgram /NM ³
Oxides of Nitrogen	40Microgram/NM ³	80 Microgram /NM ³

- 4.4. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

- 4.5. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality



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- standards in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
- 4.6. **D.G.Set standards:-** The flue gas emission through stack attached to D.G. Set shall conform to the following standards.
- The minimum height of stack to be provided with each of the generator set shall be $H=h + 0.2 (KVA)^{1/3}$, where H= Total stack height in meter, h= height of the building in meters where or by the side of which the generator set is installed.
 - Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.
 - The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.
 - The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
 - All efforts shall be made to bring down the noise level due to the D.G.Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
 - Installation of a D.G.Set must be strictly in compliance with the recommendations of the D.G.Set manufacturer.
 - A proper routine and preventive maintenance procedure for the D.G.Set should be set and followed in consultation with the DG Set manufacture which would help prevent noise levels of the DG Set from deteriorating with use.
5. **GENERAL CONDITIONS:-**
- Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
 - Applicant shall also comply with the general conditions given in annexure- I.
6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 5 (4)).**
- Number of authorization: AWH-68947, Date of issue: 06/01/2015.

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- 6.2. M/s. Indian Oil Corporation Ltd. (Block Cb-Onm-2005/7) onshore, is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at- Karjan (Total 175 Sq. M Area Block), Drilling Well., Karjan, Near Karjan village-391240, Tal:Karjan, Dist: Vadodara.

Sr. No	Waste	Quantity	Sch-I	Facility
1.	Drilling Mud and Other Drilling wastes	3200 MT/Y	2.3	Collection, Storage & Disposal.
2.	Used Oil	--	5.1	Collection, Storage, treatment & Disposal by selling to registered recyclers.

- 6.3 The authorization is granted to operate a facility for collection, storage, transportation and disposal of Hazardous wastes as above. The treatment and disposal hazardous waste shall be as per the guideline issued by the Central Pollution Control Board, New Delhi and the Ministry of Environment, Forest and Climate Change time to time.
- 6.4 The authorization shall be in force for a period up to 05/01/2020.
- 6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.
- 6.6 TERMS AND CONDITIONS OF AUTHORISATION:-**
- 6.6.1 The applicant shall comply with the provisions of the Environment (Protection) Act - 1986 and the rules made there under.
- 6.6.2 The authorization shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
- 6.6.3 The persons authorized shall not rent, lend, sell, and transfer of otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
- 6.6.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
- 6.6.5 It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 6.6.6 An application for the renewal of an authorization shall be made as laid down in rule 5 (6) (ii).
- 6.6.7 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No.657 of 1995 dated 14th October 2008.
- 6.6.8 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled



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in the plant, including waste water and air emissions and solid hazardous waste generated within the factory premises.

- 6.6.9 Industry shall submit annual report within 15 days and sub quarterly by 31st January every year.
- 6.6.10 Industry shall have to manage waste oil, discarded containers etc., process waste as per Amended Rules - 2008 and shall apply Authorization / submit details for all applicable waste as per Amended Rules 2008 with 15 days.
- 6.6.11 Industry shall not recycle the waste falling under Schedule-4 of the Authorization Hazardous waste Rules-2008, till they obtain registration as a recycler from CPCB / GPCB.

For and on behalf of
Gujarat Pollution Control Board


(Dipali Tank)
Unit Head

NO.GPCB/CCA-VRD-1615(2)/ID: 42847/

Date: ___/___/2014

Issued To:

M/s. Indian Oil Corporation Ltd.
(Block Ch-Onm-2005/7) onshore,
Karjan (Total 175 Sq. M Area Block),
Drilling Well, Karjan, Near Karjan village-391240
Tal:Karjan, Dist: Vadodara.

GPCB ID: 42847