



Ref: BPRL/CB-ONN/2010/8/EIA/10

17/08/2020

To

Ministry of Environment, Forest and Climate Change
Regional Office, (Western Zone)
Kendriya Paryavaran Bhawan, Link Road-3,
E-5, Ravishankar Nagar, Bhopal – 462016
Tel. No. 0755- 2465054, 2465496, 2466525

**Sub: EC Compliance report from January' 2020 to June' 2020 for Onshore Oil & Gas Exploration
Block CB-ONN-2010/8 of M/s Bharat PetroResources Ltd (BPRL)**

Ref: Environmental Clearance (EC) vide F.No.J-11011/324/2013-IA-II (I) dated 22.06.2015

Ministry of Environment, Forest & Climate Change has granted Environmental Clearance vide letter Ref: J-11011/324/2013-IA-II dated 22.06.2015 for onshore oil & gas exploration in the block CB-ONN-2010/8.

Six monthly Compliance report for the period of January' 2020 to June' 2020 attached for your perusal. Also, the compliance Report is being uploaded on BPRL website.

Thanking You,

Your faithfully,

For **BHARAT PETRORESOURCES LIMITED**

Sachin Kajrolkar

Assistant Vice President (ASSETS)

Encl: As above.

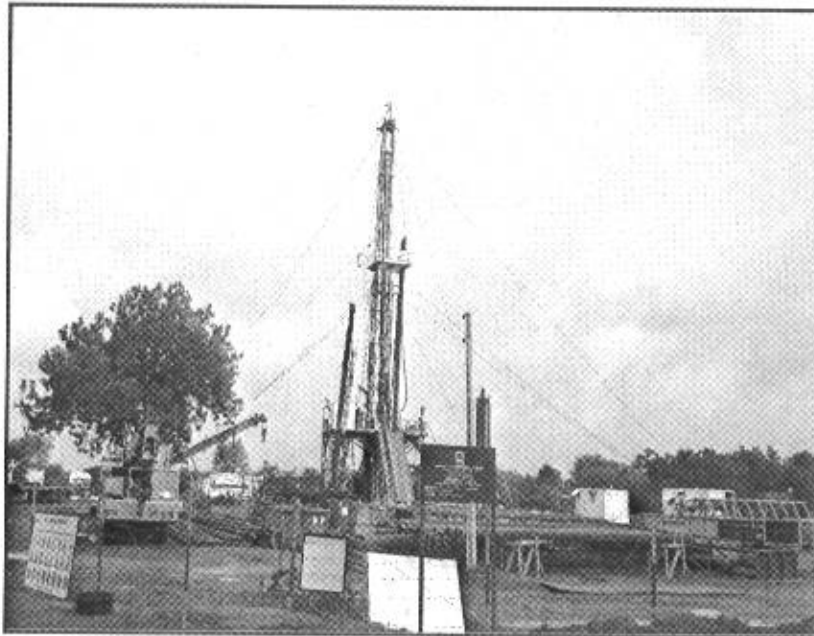
Copy to:

- I. The Chairman, Central Pollution Control Board
- II. The Chairman, Gujarat State Pollution Control Board

Bharat PetroResource Limited

Compliance Report:

**Environmental Clearance (J-11011/324/2013-IA-II-(I)) for
Block-CB-ONN-2010/8.**



BharatPetro Resource Limited

Compliance Report: Environmental Clearance (J-11011/324/2013-IA-II-(I)) in Block CB-ONN-2010/8

(January' 2020 – June'2020)

| Quality Control | |
|---|--------------------------|
| Project for Block CB-ONN-2010/8 | Release Date: 17/08/2020 |
| Report No.: 10 | Version: 0.0 |
| Prepared By : Bibhor Ranjan, Assistant Manager (Assets) | |
| Reviewed By : Sachin Kajrolkar, Assistant Vice President (Assets) | |
| For BHARAT PETRORESOURCES LIMITED Bharat PetroResources Ltd, a 100% subsidiary of Bharat Petroleum Corporation Ltd 12th Floor, Maker Towers "F" Wing, Cuffe Parade, Mumbai 400005 India Telephone No. - 022-22175677 Email Id – ranjan.b@bharatpetroresources.in | |

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| Point | Latitude | | | Longitude | | |
|--------|----------|------|------|-----------|------|------|
| | Deg. | Min. | Sec. | Deg. | Min. | Sec. |
| Part A | | | | | | |
| A | 23 | 0 | 54 | 72 | 50 | 10 |
| B | 23 | 0 | 54 | 72 | 48 | 6 |
| C | 23 | 3 | 0 | 72 | 48 | 6 |
| D | 23 | 3 | 0 | 72 | 50 | 11 |
| A | 23 | 0 | 54 | 72 | 50 | 10 |
| Part B | | | | | | |
| A | 23 | 0 | 0 | 72 | 46 | 38 |
| B | 23 | 0 | 0 | 72 | 50 | 10 |
| C | 22 | 57 | 26 | 72 | 50 | 8 |
| D | 22 | 57 | 26 | 72 | 46 | 38 |
| E | 23 | 0 | 0 | 72 | 46 | 38 |

1.3 Current status of the Block:

Ministry of Environment, Forest and Climate Change (MOEF&CC), Govt. of India had granted Environmental Clearance (EC) vide F.No.J-11011/324/2013-IA-II (I) dated 22.06.2015 to carry out exploration activities in the block, including drilling of 8 exploratory wells. Necessary public hearing was conducted in the block area covering three districts of Ahmedabad, Gandhinagar and Kheda in the state of Gujarat.

As Lead Operator of the block, BPRL has conducted Petroleum Operations in the Contract Area in accordance with modern oil field and petroleum industry practices to discover commercial accumulations of Petroleum. In line with the Minimum Work Programme (MWP) commitment, consortium has completed acquisition, processing, interpretation of 2D/3D seismic data, drilling of six wells and testing of five wells.

There are two discoveries in the block from Pasunia#01 (PA#01) & Pasunia#02 (PA#02) wells. The Field Development Plan (FDP) was approved by DGH on 11.06.2018. As per the approved FDP of Pasunia discovery, oil is to be produced from 2 existing discovery wells (i.e. PA #01 & PA#02) and also from 3 new development wells, with the help of sucker rod pumps.

1.0 SALIENT FEATURES OF THE PROJECT

1.1 General Information

Bharat Petroleum Corporation Ltd (BPCL) entered the upstream sector in 2003 with the aim of providing partial supply security of crude and hedging of price risks and to become a vertically integrated oil company adding company's bottom line.

Considering the need for a focused approach for E&P activities and implementation of investment plans of Bharat Petroleum Corporation Ltd. at a quicker pace, a wholly owned subsidiary company Bharat PetroResources Ltd. (BPRL) was incorporated in October 2006, with the objective of carrying out Exploration and Production activities.

Under NELP-IX bid round, BPRL led consortium has been awarded one on-land block CB-ONN-2010/8, in Cambay basin, Gujarat. BPRL is the Lead Operator with 25% Participating Interest (PI) and the other consortium partners are GAIL- 25% PI, EIL- 20% PI, BF Infrastructure Ltd - 20% PI and Monnet Ispat & Energy Ltd - 10% PI.

Currently, implementation of Field Development Plan (FDP) has been proposed as exclusive operation by consenting partners consisting of BPRL (PI 50%), GAIL (27.78%) and EIL (22.22%) as per Joint Operating Agreement.

1.2 Location of the Block

Block CB-ONN -2010/8 is located in common boundary of three districts Kheda, Ahmedabad and Gandhinagar and is divided in two part Part A and Part B. The area covered under part A is 14 km² and in Part B is 28 km².

Production Sharing Contract (PSC) with GoI was signed on 30.08.2012. Petroleum Exploratory license (PEL) was granted on 01.03.2013.

Block CB-ONN-2010/8 geographically located in Ahmedabad, Gandhinagar and Kheda districts of Gujarat.

Location details of the block are as follows:

Taluka: Dehgam, Daskroi, Mehmdavad

District: Gandhinagar, Ahmedabad and Kheda

State: Gujarat

The geographical Coordinates detail of the block is presented in Table-1

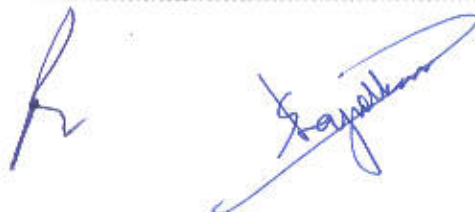
Longitude and Latitude of CB-ONN-2010/8 Block

All rest four exploratory wells Chandiyal#01(CH#01), Bhavda#01 (BH#01), Vadod#01 (VA#01) & Demaliya#01 (DE#01) were found devoid of any producible hydrocarbons during drilling/testing operation and are plugged and abandoned. Site restoration activities have been completed and site is restored to its original condition in Bhavda#01 well site and handed over to land owners. However, site restoration activities for rest three unsuccessful wells Chandiyal#01, Vadod#01 & Demaliya#01 is planned in FY 2020-21 and site will be handed over to landowners after site restoration activities in these wells. Currently, site restoration and waste management activities are temporarily stopped due to monsoon.

In order to develop and monetize the Pasunia Field discovery, BPRL had applied for TOR for development and production activities in the block on 31.07.2018. MOEF&CC has granted the TOR vide letter no . No.J-11011/324/2013-IA-II (I) dated 02.09.2018 to carry out for developmental and production activities in the Block. Base line data collection has been completed and Final Environment Impact Assessment (EIA) report has been submitted to MOEF&CC on 18.02.2019 after conducting of Public Hearing towards carrying out developmental activities.

MOEF&CC had granted the EC for the Onshore developmental and production activities in the Block CB-ONN-2010/8 vide letter F. No. No.J-11011/324/2013-IA-II (I) dated 30.07.2019. Development drilling and production activities are not yet started in the block. Hence, No Operational activities (Civil work, drilling, testing activities) carried out during the period January 2020- June 2020.Tendering work are in progress for implementation of developmental and production activities in the Block. After award of Job, developmental and production activities will be initiated in the Block.

Also, Govt. of Gujarat has granted petroleum Mining Lease (PML) for 15 years vide ref. PML-14-2018-2038 E dated 26.02.2019 to carryout developmental activities.



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2.0 COMPLIANCE TO CONDITIONS OF ENVIRONMENTAL CLEARANCE

The Ministry of Environment and Forests had issued Environment Clearance (EC) for carrying out onshore Exploration activities in the Block CB-ONN-2010/8, Cambay, and Gujarat, vide its letter *J-11011-324/2013 IA II (I) dated 22nd June 2015*. Copy of EC is attached vide **Annexure 01**.

Compliance to Condition Mention in EC

| S No | Condition | compliance |
|---------------------------|---|--|
| Specific Condition | | |
| 1 | The present EC is for Exploratory Drilling only. In case Development Drilling to be done in future, prior environmental clearance must be obtained from Ministry. | <p>MOEF&CC had granted Environmental Clearance (EC) vide F.No.J-11011/324/2013-IA-II (I) dated 22.06.2015 to carry out exploration activities in the block. As per Minimum Work Program (MWP) commitment given to Govt. of India, BPRL has completed 2D and 3D Acquisition, Processing and Interpretation (API) seismic data of 10 LKM & 42 Km² respectively and drilling of 6 wells. Further, the BPRL has successfully tested 5 wells. There are two discoveries in the block from Pasunia#01 (PA#01) & Pasunia#02 (PA#02) wells. The Field Development Plan (FDP) of the said discoveries has been approved by Directorate General of Hydrocarbon (DGH) on 11.06.2018.</p> <p>All rest four exploratory wells Chandiyal#01(CH#01), Bhavda#01 (BH#01), Vadod#01 (VA#01) & Demaliya#01 (DE#01) were found devoid of any producible hydrocarbons during drilling & testing operation. Out of four dry wells, Waste management activities and Site restoration activities have been completed in BH#01 well site. However, site restoration activities for rest three unsuccessful wells Chandiyal#01, Vadod#01 & Demaliya#01 is planned in FY 2020-21 and site will be handed over to landowners after site restoration activities in these wells.</p> <p>Application for EC for development and production activities in the Block was submitted to MOEF&CC on 18.02.2019 along with the Environment Impact Assessment report, Minutes of proceeding of Public Hearing and other relevant documents required for EC. MOEF&CC has granted the Environment Clearance vide letter no. F NO. J 11011/324/2013-IA-II (I) dated 30.07.2019 to carry out developmental activities in the Block. Attached in Annexure-02.</p> <p>Tendering work for developmental activities are in progress. Developmental and production activities will be initiated after award of various job.</p> |
| 2 | Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission | Periodic monitoring of Ambient air quality was carried out during drilling and Work over activities in the Block during year 2016-2018, near the closest human settlement and found all parameters are within the prescribed limit. |

| S No | Condition | compliance |
|---------|--|---|
| | Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM10, PM2.5, SO2, NOX, CO, methane & non methane HC etc | Since, no drilling and testing operations were carried out during the period of JANUARY 2020 – JUNE 2020 and the mine is temporarily closed, ambient air monitoring not carried out during this period. |
| 3 | Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period | Mercury was analyzed in air, water and drill cuttings twice during drilling operations in the Block. Well wise results of mercury were shared along with previous EC compliance reports. |
| | | Since, no drilling & testing operation are carried out during the period of January 2020 – June 2020 and the mine is temporarily closed, mercury level was not analyzed during this period. |
| 4 | Approach road shall be made pucca to minimize generation of suspended dust. | Approach roads were made pucca at drill sites, which consist of rubble soling of 230 mm, quarry waste of 150mm, WMB 75 mm also grit layering is provided. Periodical watering was done to minimize generation of suspended dust during operational activities. |
| 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. | Acoustic enclosure was provided to the DG sets having capacity of 250 KVA/125 KVA for control of noise from drilling activities. Noise Monitoring was carried out at all drill sites during drilling and testing operations, which indicate noise levels are within the limits. Results of Noise monitoring were shared with previous EC compliance reports. |
| | | Since, no drilling & testing operation are carried out during the period of January 2020 – June 2020 and the mine is temporarily closed, noise monitoring and stack monitoring not carried out during this period. |
| 6 | Total water requirement shall not exceed 35 m ³ /day and prior permission shall be obtained from the concern agency. | No water consumption during the period of January 2020 – June 2020 as No drilling and testing operations are carried out during this period. |
| | | It will be ensured that water requirement shall not exceed beyond the permissible limit once operations re-starts in the Block. |
| 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. | Garland drain was constructed all around drilling site of wells to prevent runoff of any oil containing waste into nearby water bodies. Separate drainage system are constructed for oil contaminated and non-oil contaminated. Drilling wastewater including drill cuttings wash water are collected in disposal pit lined with HDPE lining evaporation pit for solar evaporation. Effluents are treated either in Mobile Effluent Treatment Plant (METP) or Common Effluent Treatment Plant (CETP). Further after treatment at CETP, effluents are disposed at CETP only. During the year 2016-17, BPRL had disposed total 13495 bbl waste water/drill fluid effluents generated in PA#01, PA#02, & VA#01 wells through GPCB authorized common effluent Plant (CETP) at Odhav Enviro Project Ltd. |

| S No | Condition | compliance |
|------|--|--|
| | | BPRL had disposed total 737.57 MT ~ 4652 bbl liquid effluent from Chandiyal#01 (CH#01) well site to Common Effluent treatment plant at M/s Odhav Enviro Project Ltd. during the period of 2019-20. Hence as on date, BPRL had disposed 2885 MT~18147 bbl liquid effluent at M/s Odhav Enviro Project Ltd. a GPCB approved CETP. Sample Manifest copies for Liquid disposal at GPCB authorized CETP is attached as Annexure 4 . |
| 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. | After obtaining Environment Clearances (EC) from MOEF&CC, BPRL had carried out Exploration activities. Accordingly, BPRL had started drilling & testing activities from January 2016 onwards. As on date, BPRL had completed drilling of 6 wells (PA#01, PA#02, VA#01, DE#01 & BH#01) and tested 5 wells. The drilling liquid effluent and drill cuttings (solid waste) generated from water based mud during drilling and testing operations were securely stored in disposal pit at sites lined with HDPE lining for solar evaporation. During the year 2016-17, BPRL had disposed total 13495 bbl the waste water/drill fluid effluents generated in PA#01, PA#02, & VA#01 wells through GPCB authorized common effluent Plant (CETP) at Odhav Enviro Project Ltd. Similarly, total 2498 MT drill cutting waste (solid waste) generated in PA#01, PA#02 & VA#01 were disposed from GPCB approved TSDF i.e. M/s Saurashtra Enviro Project Pvt. Ltd (SEPL). A provisional membership was obtained from TSDF towards disposal of solid waste and copy of the said membership was earlier submitted to MOEF&CC regional office vide our previous EC compliance report of letter ref. – BPRL/CB-ONN-2010/8/EIA dated 05.04.2017. Subsequently, another contract has been awarded to M/s PMP Infratech for disposal of drilling waste (liquid effluent and solid waste) from Bhavda#01, Pasunia#02, Demaliya#01, Chandiyal#01, and Vadod#01. Presently, Waste disposal activities has been completed for the well Bhavda#01 and total 912.27 MT drilling solid waste has been disposed off from Bhavda#01 well site to GPCB approved TSDF M/s ECO-CARE Infrastructure Pvt. Ltd. Further, liquid effluent of total quantity 737.57 MT ~ 4652 bbl has been disposed off from Chandiyal#01 well site to Common Effluent treatment plant at M/s Odhav Enviro Project Ltd. Hence, as on date BPRL had disposed total 2885 MT~ 18147 bbl. of liquid effluent and 3407.27 MT of Drill cutting solid waste to the GPCB authorized CETP and TSDF respectively. Sample Manifest Copies for disposal of Solid and Liquid waste are attached as Annexure 4 & Annexure 5 . |
| 9 | Good sanitation facility should be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/soak Pit | Porta cabin with all good sanitation facilities were provided for drilling staff at site during drilling and testing campaign. Domestic sewage is disposed off through septic tank/soak pit. |

| S No | Condition | compliance |
|---------|---|---|
| 10 | <p>Oil spillage prevention and mitigation scheme shall be prepared.</p> <p>In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oil/sludge) and spent oil shall be disposed of to the authorized recyclers</p> | <p>Oil Spill Contingency plan mentioning prevention and mitigation plan has been prepared and already submitted vide earlier compliance report Ref: BPRL/CB-ONN/2010/8/EIA dated 16.08.2016. In case of Oil spillage/ contamination, action plan, Roles and responsibilities, Important telephone Nos., etc. are provided in the Emergency response plan. At the time of drilling and testing operations, no oil sludge and spent oil produced and hence not disposed.</p> |
| 11 | <p>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.</p> | <p>BPRL has complied with guidelines for disposal of solid waste, drill cutting and drilling fluid effluents for onshore drilling operation notified vide GSR.546 (E) dated 30th August, 2005. After obtaining Environment Clearances (EC) from MOEF&CC, BPRL had carried out Exploration activities. Accordingly, BPRL had started drilling & testing activities from January 2016 onwards. As on date, BPRL had completed drilling of 6 wells (PA#01, PA#02, VA#01, DE#01 & BH#01) and tested 5 wells.</p> <p>The drilling waste water (Liquid effluent) and drill cuttings (solid waste) generated from water based mud during drilling and testing operations were securely stored in disposal pit at sites lined with HDPE lining for solar evaporation. During the year 2016-17, BPRL had disposed the waste water/drill fluid effluents generated in PA#01, PA#02, & VA#01 wells through GPCB authorized common effluent Plant (CETP) at Odhav Enviro Project Ltd. Similarly, the drill cutting waste (solid waste) generated in PA#01, PA#02 & VA#01 were disposed from GPCB approved TSDF i.e. M/s Saurashtra Enviro Project Pvt. Ltd (SEPL). BPRL had disposed total 13495 bbl of liquid effluent and 2498 MT of Drill cutting solid waste to the GPCB authorized CETP and TSDF respectively.</p> <p>Subsequently, another contract has been awarded to M/s PMP InfraTech for disposal of drilling waste (liquid effluent and solid waste) from Bhavda#01, Pasunia#02, Demaliya#01, Chandiyal#01, and Vadod#01. Presently, Waste disposal activities has been completed for the well Bhavda#01 and total 912.27 MT drilling solid waste has been disposed off from Bhavda#01 well site to GPCB approved TSDF M/s ECO-CARE Infrastructure Pvt. Ltd. Further, liquid effluent of total quantity 737.57 MT ~ 4652 bbl has been disposed off from Chandiyal#01 well site to Common Effluent treatment plant at M/s Odhav Enviro Project Ltd.</p> <p>Hence, as on date BPRL had disposed total 2885 MT ~ 18147 bbl of liquid effluent and 3407.27 MT of Drill cutting solid waste to the GPCB authorized CETP and TSDF respectively.</p> |

| S No | Condition | compliance |
|------|---|--|
| 12 | 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. | <p>Drill sites prepared by BPRL were declared no smoking zone. Fire water storage facilities, Fire engines, Fire Hydrant line, Fire hoses, Portable Fire extinguishers etc. were provided at site to take care of any fire incident. Garland drain was constructed all around drilling site to prevent runoff of any oil containing waste into nearby water bodies. Separate drainage system are constructed for oil contaminated and non-oil contaminated. Unauthorized entry not allowed inside the premises.</p> <p>BPRL had used horizontal ground flaring facility during testing operation at PA#01, PA#02, DE#01 wells. However, DGMS vide. Letter no. AR/VL-Oil/2016/ dated 15.11.2016 has instructed that flare line of 9m high is to be provided with remote controlled electrical ignition device. Accordingly, Vertical flaring with knockout drums was installed to minimize gaseous emissions during testing operation at CH#01 and VA#01 wells during testing campaign in the month of January 18 –February 18.</p> |
| 13 | 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 | <p>Emergency Response Plan prepared for drill site covers contingency plan for H₂S release had already been submitted vide earlier compliance report. Ref: BPRL/CB-ONN/2010/8/EIA dated 16.08.2016. Contingency plan for H₂S includes Properties of H₂S, Health effects of H₂S, Protection against H₂S, Training, Detection and monitoring, PPE's, Emergency response, Action taken, Roles and responsibility, Control Operations etc.</p> <p>Workers are provided with H₂S detectors and Breathing apparatus in the location of high risk exposure of H₂S during drilling operations. However, during actual drilling operation, no H₂S was observed.</p> |
| 14 | On completion of drilling, the company have to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority | <p>BPRL has completed drilling of 6 wells in the Block. Out of 6 drilled wells, there are two discoveries in the block from Pasunia#01 (PA#01) & Pasunia#02 (PA#02). BPRL plans to convert these two wells into development wells. Rest all 4 wells are Plugged & abandoned. At present contract has been awarded for site restoration works. These 4 sites will be handed over to respective site owner after waste disposal and site restoration work. Notice of closure of mine provided to DGMS in FORM 1 as per OMR guideline. Certificate from GPCB will be obtained after waste disposal and site restoration work is completed for all four sites.</p> |

Brief status of all wells are given below:

| Wells | Status | Remarks |
|-------|---|--|
| PA#01 | This well was drilled upto a depth of 2043 m. BPRL plans to convert this well into development well. Well | Temporary plugged & abandoned putting bridge plug and cement plug at the following depths: Cement Plug #1 from 2001 to 1851 and tested @ 2300psi with 11.8ppg mud |

| S No | Condition | compliance | |
|---------|-----------|---|---|
| | | is temporary plugged & abandoned. | Cement Plug #2 from 1853 to 1653 and tested @ 2300psi with 11.8ppg mud Bridge Plug at 1280m and Cement Plug#3 at 1244m tested @ 3500psi with 10.5ppg mud Bridge Plug at 1228m and Cement Plug#4 upto 1178m Cement Plug #5 from 1128m to 1058m and tested @1000psi with 10.5ppg mud) |
| | PA#02 | This well was drilled upto a depth of 2130 m. BPRL plans to convert this well into development well. Well is temporary plugged & abandoned. | Temporary isolation was done with following plugs: Bridge Plug at 1368m and Cement Plug#1 from 1368m to 1275m tested @ 1600 psi with 10.5 ppg mud. Bridge plug at 1250m and Cement Plug#2 from 1250m to 1218m tested @ 1000 psi with 10.0 ppg mud. Cement Plug#3 from 1218 to 1160m tested @ 1000 psi with 10.0 ppg mud. X-Mas tree is installed and pressure tested at 4000 psi. |
| | VA#01 | Permanently plugged & abandoned. Site shall be handed over to site owner after site restoration work. | Since no hydrocarbon was found, isolation was done with the following plugs: 1. Bridge plug was placed as a base support at 1280 m & tested. 2. Cement Plug#1 placed from 1280 m to 1153 m (against the perforation), & tested @1000 psi & 8 ton weight as per OMR guidelines. 3. Cement Plug#2 placed from 110 m to 10 m from surface. 4. A brine solution of 9.3 ppg was placed between the both the plug. 5. Well mouth capped with 10 mm thick MS plate on 13 3/8" casing top. |

| S No | Condition | compliance |
|---------|--|--|
| CH#01 | Permanently plugged & abandoned. Site shall be handed over to site owner after site restoration work. Currently waste management activities are in progress at Chandiyal#01 well site. | <p>The well Chandiyal #01 (CH#01) has been permanently plugged & abandoned after completion of testing operation: Since no hydrocarbon was found, isolation was done with the following plugs:</p> <ol style="list-style-type: none"> 1. Bridge plug was placed at 1304 m. 2. Cement Plug#1 placed from 1304 m to 1184 m tested @1000psi against the perforation, as per OMR guidelines. 3. Cement Plug#2 placed from 112 m to 12 m from surface. 4. Well mouth capped with 10mm thick MS plate on 13 3/8" casing top. |
| DE#01 | Temporary plugged & abandoned. Site shall be handed over to site owner after site restoration work. Currently waste management activities are in progress at Chandiyal#01 well site. | <p>BPRL plans to permanently abandon this well too. Temporary closure of well Demaliya#01. Isolation was done with following barriers:</p> <ol style="list-style-type: none"> 1. Bridge plug set at 1941m, tested @1500 psi with 11.3 ppg brine. 2. Cement plug#01 from 1941 m TO 1841 m. 3. Cement Plug#02 from 1430 m to 1280 m (tagged at 1299 m) tested @1000psi with 11.3 ppg brine. 4. Cement plug#03 from 1105 m to 1005 m. 5. Cement plug#04 from 600 m to 500 m (tagged at 507 m), tested @1000psi with 10 ppg brine |
| BH#01 | Permanently plugged & abandoned. Site has been handed over to site owner after site restoration work. | <p>As well Bhavda#01 was found dry (No presence of hydrocarbon), the well was plugged and abandoned putting bridge plug and cement plug at the following depths:</p> <ol style="list-style-type: none"> 1. Cement Plug#01 from 1820 m to 1720 m 2. Cement Plug#02 from 1304 m to 1154 m 3. Cement Plug#03 from 63 m to Surface 4. Well mouth capped with 10mm thick MS plate on top of casing. |

| S No | Condition | compliance | | | | | | |
|--|---|--|-------|--------|---------|-------|---|--|
| 15 | 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 (BOP) of 5000 PSI, was installed at drill site to prevent well blow outs. Periodic pressure testing of BOP done during drilling and workover operations. Primary well control is done with hydrostatic pressure provided by drilling fluid more than formation pressure but less than fracture gradient while drilling. Drilling fluid properties such as Pressure, Temperature, weight etc. used to be monitored through mud logging unit. | | | | | | |
| 16 | Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. | Emergency Response Plan prepared based on Guidelines of OISD, DGMS and Govt. of India and copy of the same was already submitted to MOEF&CC regional Office vide 2 nd EC compliance report Ref: BPRL/CB-ONN/2010/8/EIA dated 16.08.2016. | | | | | | |
| 17 | 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 to the 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 | BPRL has completed drilling of 6 wells in the Block. Out of 6 drilling wells, there are two discoveries in the block from Pasunia#01 (PA#01) & Pasunia#02 (PA#02). BPRL plans to convert these two wells into development wells. Rest all 4 wells are abandoned after putting cement plugs. These 4 sites will be handed over to respective site owner after waste disposal and site restoration work. Notice of closure of mine provided to DGMS in FORM 1 as per OMR guideline. All the well sites are properly secured by barbed wire fencing and security guards are positioned round the clock. Certificate from GPCB will be obtained after waste disposal and site restoration work for all four sites. Brief status of all wells are given below: | | | | | | |
| <table border="1"> <thead> <tr> <th>Wells</th><th>Status</th><th>Remarks</th></tr> </thead> <tbody> <tr> <td>PA#01</td><td>This well was drilled upto a depth of 2043 m. BPRL plans to convert this well into development well. Well is temporary plugged & abandoned.</td><td>Temporary plugged & abandoned putting bridge plug and cement plug at the following depths: Cement Plug #1 from 2001 to 1851 and tested @ 2300psi with 11.8ppg mud Cement Plug #2 from 1853 to 1653 and tested @ 2300psi with 11.8ppg mud Bridge Plug at 1280m and Cement Plug#3 at 1244m tested @ 3500psi with 10.5ppg mud Bridge Plug at 1228m and</td></tr> </tbody> </table> | | | Wells | Status | Remarks | PA#01 | This well was drilled upto a depth of 2043 m. BPRL plans to convert this well into development well. Well is temporary plugged & abandoned. | Temporary plugged & abandoned putting bridge plug and cement plug at the following depths: Cement Plug #1 from 2001 to 1851 and tested @ 2300psi with 11.8ppg mud Cement Plug #2 from 1853 to 1653 and tested @ 2300psi with 11.8ppg mud Bridge Plug at 1280m and Cement Plug#3 at 1244m tested @ 3500psi with 10.5ppg mud Bridge Plug at 1228m and |
| Wells | Status | Remarks | | | | | | |
| PA#01 | This well was drilled upto a depth of 2043 m. BPRL plans to convert this well into development well. Well is temporary plugged & abandoned. | Temporary plugged & abandoned putting bridge plug and cement plug at the following depths: Cement Plug #1 from 2001 to 1851 and tested @ 2300psi with 11.8ppg mud Cement Plug #2 from 1853 to 1653 and tested @ 2300psi with 11.8ppg mud Bridge Plug at 1280m and Cement Plug#3 at 1244m tested @ 3500psi with 10.5ppg mud Bridge Plug at 1228m and | | | | | | |

| S No | Condition | compliance | | |
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| PA#02 | This well was drilled upto a depth of 2130 m. BPRL plans to convert this well into development well. Well is temporary plugged & abandoned. | | | Cement Plug#4 upto 1178m Cement Plug #5 from 1128m to 1058m and tested @1000psi with 10.5ppg mud) |
| VA#01 | Permanently plugged & abandoned. Site shall be handed over to site owner after site restoration work. | | | Temporary isolation was done with following plugs: Bridge Plug at 1368m and Cement Plug#1 from 1368m to 1275m tested @ 1600 psi with 10.5 ppg mud. Bridge plug at 1250m and Cement Plug#2 from 1250m to 1218m tested @ 1000 psi with 10.0 ppg mud. Cement Plug#3 from 1218 to 1160m tested @ 1000 psi with 10.0 ppg mud. X-Mas tree is installed and pressure tested at 4000 psi. |
| CH#01 | Permanently plugged & abandoned. Site shall be handed over to site owner after site restoration work. Currently waste management activities are | | | Since no hydrocarbon was found, isolation was done with the following plugs: 1. Bridge plug was placed as a base support at 1280 m & tested. 2. Cement Plug#1 placed from 1280 m to 1153 m (against the perforation), & tested @1000 psi & 8 ton weight as per OMR guidelines. 3. Cement Plug#2 placed from 110 m to 10 m from surface. 4. A brine solution of 9.3 ppg was placed between the both the plug. 5. Well mouth capped with 10 mm thick MS plate on 13 3/8" casing top. |
| | | | | The well Chandiyal #01 (CH#01) has been permanently plugged & abandoned after completion of testing operation: Since no hydrocarbon was found, isolation was done with the following plugs: 1. Bridge plug was placed at 1304 m. |

| S No | Condition | compliance | |
|---------|-----------|--|--|
| | | in progress at Chandiyal#01 well site. | <ol style="list-style-type: none"> 2. Cement Plug#1 placed from 1304 m to 1184 m tested @1000psi against the perforation, as per OMR guidelines. 3. Cement Plug#2 placed from 112 m to 12 m from surface. 4. Well mouth capped with 10mm thick MS plate on 13 3/8" casing top. |
| | DE#01 | Temporary plugged & abandoned. Site shall be handed over to site owner after site restoration work. Currently waste management activities are in progress at Chandiyal#01 well site. | <p>BPRL plans to permanently abandon this well too. Temporary closure of well Demaliya#01. Isolation was done with following barriers:</p> <ol style="list-style-type: none"> 1. Bridge plug set at 1941m, tested @1500 psi with 11.3 ppg brine. 2. Cement plug#01 from 1941 m TO 1841 m. 3. Cement Plug#02 from 1430 m to 1280 m (tagged at 1299 m) tested @1000psi with 11.3 ppg brine. 4. Cement plug#03 from 1105 m to 1005 m. 5. Cement plug#04 from 600 m to 500 m (tagged at 507 m), tested @1000psi with 10 ppg brine |
| | BH#01 | Permanently plugged & abandoned. Site has been handed over to site owner after site restoration work. | <p>As well Bhavda#01 was found dry (No presence of hydrocarbon), the well was plugged and abandoned putting bridge plug and cement plug at the following depths:</p> <ol style="list-style-type: none"> 1. Cement Plug#01 from 1820 m to 1720 m 2. Cement Plug#02 from 1304 m to 1154 m 3. Cement Plug#03 from 63 m to Surface 4. Well mouth capped with 10mm thick MS plate on top of casing. |

| S No | Condition | compliance |
|------|---|---|
| 18 | Abandoned well inventory and remediation plan shall be submitted within six months from the date of issue of letter. | <p>BPRL had drilled total 6 exploratory wells and last testing was concluded during February 2018. Out of total 6 drilled wells there are two discovery wells (PA#01 and PA#02). BPRL proposed to develop these two discovery wells.</p> <p>All rest four exploratory wells Chandiyal#01(CH#01), Bhavda#01 (BH#01), Vadod#01 (VA#01) & Demaliya#01 (DE#01) were found devoid of any producible hydrocarbons during drilling & testing operation and are plugged and abandoned. Plugging and abandonment of sub-surface zones are carried out as per OMR / OISD-STD-175 requirements. Out of four dry wells, Waste management activities and Site restoration activities have been completed in BH#01 well site. However, site restoration activities for rest three unsuccessful wells Chandiyal#01, Vadod#01 & Demaliya#01 is planned in FY 2020-21 and site will be handed over to landowners after site restoration activities in these wells.</p> <p>Well abandonment report for Bhavada#01 is attached as Annexure 6. Well abandonment report will also be submitted to GPCB and obtain certificate for site restoration and closure of site.</p> |
| 19 | Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules. | <p>Since, there is no drilling and testing operation are carried out during January 2020- June 2020, no occupational Health surveillance of workers are carried out during this period.</p> |
| 20 | 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 | <p>MOEF&CC had granted Environmental Clearance (EC) vide F.No.J-11011/324/2013-IA-II (I) dated 22.06.2015 to carry out exploration activities in the block. As per Minimum Work Program (MWP) commitment given to Govt. of India, BPRL has completed 2D and 3D Acquisition, Processing and Interpretation (API) seismic data of 10 LKM & 42 Km² respectively and drilling of 6 wells. Further, the BPRL has successfully tested 5 wells. There are two discoveries in the block from Pasunia#01 (PA#01) & Pasunia#02 (PA#02) wells. The Field Development Plan (FDP) of the said discoveries has been approved by Directorate General of Hydrocarbon (DGH) on 11.06.2018.</p> <p>All rest four exploratory wells Chandiyal#01(CH#01), Bhavda#01 (BH#01), Vadod#01 (VA#01) & Demaliya#01 (DE#01) were found devoid of any producible hydrocarbons during drilling & testing operation. Out of four dry wells, Waste management activities and Site restoration activities have been completed in BH#01 well site. However, site restoration activities for rest three unsuccessful wells Chandiyal#01, Vadod#01 & Demaliya#01 is planned in FY 2020-21 and site will be handed over to landowners after site restoration activities in these wells.</p> <p>Application for EC for development and production activities in the Block was submitted to MOEF&CC on 18.02.2019 along with the Environment Impact Assessment report, Minutes of proceeding of Public Hearing and other relevant documents required for EC. MOEF&CC has granted the Environment Clearance vide letter no. F NO. J 11011/324/2013-IA-II (I) dated 30.07.2019 to carry out developmental activities in the Block. Attached in Annexure-02.</p> <p>Tendering work for developmental activities are in progress. Developmental and production activities will be initiated after award of various job.</p> |

| S No | Condition | compliance | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|-------|-------|-------|-------|--|--|--|--|-------|-------|-------|-------|-------|-------|-----------------------------------|-----|-----|-----|-----|-----|-----|
| 21 | 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 | BPRL had drilled total 6 exploratory wells and last testing was concluded during February 2018. Out of total 6 drilled wells there are two discovery wells (PA#01 and PA#02). BPRL proposed to develop these two discovery wells. All rest four exploratory wells Chandiyal#01(CH#01), Bhavada#01 (BH#01), Vadod#01 (VA#01) & Demaliya#01 (DE#01) were found devoid of any producible hydrocarbons during drilling & testing operation and are plugged and abandoned. Plugging and abandonment of sub-surface zones are carried out as per OMR / OISD-STD-175 requirements. Out of four dry wells, Waste management activities and Site restoration activities have been completed in BH#01 well site. However, site restoration activities for rest three unsuccessful wells Chandiyal#01, Vadod#01 & Demaliya#01 is planned in FY 2020-21 and site will be handed over to landowners after site restoration activities in these wells. Well abandonment report for Bhavada#01 is attached as Annexure 6 . Well abandonment report will also be submitted to GPCB and obtain certificate for site restoration and closure of site. | | | | | | | | | | | | | | | | | | | | | |
| 22 | 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. | Sample analysis of Drill cutting generated during drilling operation from January 2016 to March 2018 are carried out by NABET accredited agency M/s Envirocare Technocrats Pvt Ltd. Drill cutting wastes are currently present at Pasunia#02 (PA#02), Vadod (VA#01), Chandiyal (CH#01), Vadod (VA#01) and securely stored in HDPE lined pit. Reports for the same was sent to Ministry's Regional Office at Bhopal vide letter no. BPRL/CB-ONN-2010/8/STAT/MOEF&CC dated 07.06.2018. Results of Oil content in drill cuttings are given as under: <table><tr><th colspan="7">Wells</th></tr><tr><th></th><th>PA#01</th><th>PA#02</th><th>CH#01</th><th>VA#01</th><th>DE#01</th><th>BH#01</th></tr><tr><td>Oil content in the drill cuttings</td><td>N.D</td><td>N.D</td><td>N.D</td><td>N.D</td><td>N.D</td><td>N.D</td></tr></table> | Wells | | | | | | | | PA#01 | PA#02 | CH#01 | VA#01 | DE#01 | BH#01 | Oil content in the drill cuttings | N.D | N.D | N.D | N.D | N.D | N.D |
| Wells | | | | | | | | | | | | | | | | | | | | | | | |
| | PA#01 | PA#02 | CH#01 | VA#01 | DE#01 | BH#01 | | | | | | | | | | | | | | | | | |
| Oil content in the drill cuttings | N.D | N.D | N.D | N.D | N.D | N.D | | | | | | | | | | | | | | | | | |
| 23 | At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time | BPRL vide letter ref BPRL/CB-ONN-2010/8/EIA dated 03/07/2015, 04/09/2015, 31/03/2016 & 16/06/2016 requested MOEF&CC to amend this clause. At present the project is in exploratory nature and there is no revenue generation. However, BPRL had constructed road for Kuha & Demaliya villages during drill site preparation activities 2015-16 and 2016-17. Total expenditure of about Rs. 45 Lakh was spent for road construction, details provided along with previous | | | | | | | | | | | | | | | | | | | | | |

| S No | Condition | compliance | | |
|---------|--|---|-----------------------|--------------------|
| | | EC compliance Report | Period | Date of Submission |
| | bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner. | 1st Compliance report | July 15- December15 | 21.12.2015 |
| | | 2 nd Compliance Report | January 16-June 16 | 16.08.2016 |
| | | 3 rd Compliance Report | July 16-December16 | 05 .04.2017 |
| | | 4 th Compliance Report | January 17 – June 17 | 29.11.2017 |
| | | 5 th Compliance Report | July 17 – December17 | 25.05.2018 |
| | | 6 th Compliance Report | January 18 – June 18 | 13.11.2018 |
| | | 7 th Compliance report | July 18 – December 18 | 24.04.2019 |
| | | 8 th Compliance report | January 19- June 19 | 01.10.2019 |
| 24 | An audit shall be done to ensure that environment management plan is implemented in totality and report shall be submitted to Ministry's Regional office. | <p>BPRL periodically checks and ensure EMP plan is implemented in totality as per the stipulated conditions given in Environment Clearance. Monitoring of air, water, stack, solid waste etc. are done through NABET accredited consultants. Six monthly Environment clearance compliance reports are periodically submitted to MOEF vide Letter ref: BPRL/CB-ONN-2010/8/EIA. Date of submission of Environment clearance compliance report as given below:</p> | | |

| S No | | Condition | | | compliance | | |
|-------------------|--|---|--|--|---|----------------------|------------|
| | | | | | 9th Compliance report | July 19- December 19 | 13.05.2020 |
| 25 | | All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place | | | An EMP audit also conducted by NABET Accredited EIA consultant for the EMP plan is implemented in totality. Report for EMP audit has been submitted to MOEF&CC along with 8 th EC compliance report dated 01.10.2019. Since, no drilling and testing operations are carried out during the period of January 2020- June 2020, training activities not conducted during this period. Noted and would be compiled with once operations starts in the Block. | | |
| 26 | | Company shall have own Environment Management Cell having qualified persons with proper background | | | BPRL has formed its own Environment Management cell, which is headed by Director (Ops. & BD) and attached as Annexure 7. | | |
| 27 | | 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 | | | Drilling Operation Manual, Blow Out Prevention Manual, Health, Safety & Environment Management System Manual, Emergency Response Plan including well control Manual were prepared and kept at each drill site during operation. Awareness training program related to HSE are conducted periodically for all staffs. The Results of environment monitoring of all site is available at project site office and displayed on the Main gate during operation. At present no operation are in progress at the site since February 2018. | | |
| General Condition | | | | | | | |
| 1 | | The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State | | | BPRL has obtained Consent to Establish (CTE) from GPCB for all drill sites. CTE no. for all six sites are given below: | | |

| S No | Condition Government and any other statutory authority | compliance | | | |
|---------|--|------------|---------|----------------|--|
| | | Well Name | CTE No. | Dated of Issue | Valid Till |
| | | PA#01 | 73234 | 06.10.2015 | 09.08.2020 (BPRL has obtained EC for development activities in the Block. BPRL in the process to obtain Fresh Consent from GPCB for PA#01 for carrying developmental activities. |
| | | PA#02 | 73128 | 17.10.2015 | 02.08.2020 (BPRL has obtained EC for development activities in the Block. BPRL in the process to obtain Fresh Consent from GPCB for PA#02 for carrying developmental activities. |
| | | VA#01 | 78088 | 08.06.2016 | 19.02.2021 |
| | | DE#01 | 82829 | 22.12.2016 | 09.10.2023 |
| | | CH#01 | 83398 | 06.01.2017 | 12.12.2023 |
| | | BH#01 | 84947 | 24.03.2017 | 12.02.2024 (Site has been handed over to site owners. BPRL has sent a letter dated 26.06.2020 to GPCB for surrendering the CTE along with well abandonment report). |

Drilling & testing operations were carried out after obtaining the CTE from GPCB only. BPRL strictly adhere to all conditions provided in the CTE by GPCB and submits Annual Environment Statement in 'Form V' annually. 'Form V' for

| S No | Condition | compliance |
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| | | the year 2015-16, 2016-17, 2017-18, 2018-19 are sent with previous EC compliance reports. Environmental statement in Form V dated 13.05.2020 has also been sent to MOEF&CC regional office through Email dated 10.08.2020 for current year 2019-20. |
| 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 | <p>MOEF&CC had granted Environmental Clearance (EC) vide F.No.J-11011/324/2013-IA-II (1) dated 22.06.2015 to carry out exploration activities in the block. As per Minimum Work Program (MWP) commitment given to Govt. of India, BPRL has completed 2D and 3D Acquisition, Processing and Interpretation (API) seismic data of 10 LKM & 42 Km² respectively and drilling of 6 wells. Further, the BPRL has successfully tested 5 wells. There are two discoveries in the block from Pasunia#01 (PA#01) & Pasunia#02 (PA#02) wells. The Field Development Plan (FDP) of the said discoveries has been approved by Directorate General of Hydrocarbon (DGH) on 11.06.2018.</p> <p>All rest four exploratory wells Chandiyal#01(CH#01), Bhavada#01 (BH#01), Vadod#01 (VA#01) & Demaliya#01 (DE#01) were found devoid of any producible hydrocarbons during drilling & testing operation. Out of four dry wells, Waste management activities and Site restoration activities have been completed in BH#01 well site. However, site restoration activities for rest three unsuccessful wells Chandiyal#01, Vadod#01 & Demaliya#01 is planned in FY 2020-21 and site will be handed over to landowners after site restoration activities in these wells.</p> <p>Application for EC for development and production activities in the Block was submitted to MOEF&CC on 18.02.2019 along with the Environment Impact Assessment report, Minutes of proceeding of Public Hearing and other relevant documents required for EC. MOEF&CC has granted the Environment Clearance vide letter no. F NO. J 11011/324/2013-IA-II (1) dated 30.07.2019 to carry out developmental activities in the Block. Attached in Annexure-02.</p> <p>Tendering work for developmental activities are in progress. Developmental and production activities will be initiated after award of various job.</p> |
| 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 | <p>BPRL strictly comply with rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Material safety Data Sheet (MSDS) for all chemicals were made available in English & Local Language and information towards Toxicity, Permissible exposure limits, Physical Data, Reactivity data, Corrosivity data, Thermal and Chemical stability data, Incompatibility data, Treatment procedure in case of body contact etc. were displayed at prominent places at drill site.</p> <p>Prior approvals obtained from Chief Controller of Explosives for storing HSD at drill site during drilling period.</p> |

| S No | Condition | compliance | | | | | | |
|----------------------|---|--|----------------------|--------|--------------------|--|--|--|
| 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 (night time). | Acoustic enclosure was provided to the DG set having capacity of 250 KVA/125 KVA for control of noise from drilling activities. Noise Monitoring was carried out at all drill sites during drilling and testing operations, which indicate noise levels are within the limits. Results of Noise monitoring were shared with previous EC compliance reports. Since, no drilling & testing operation are carried out during the period of January 2020 to June 2020 and the mine is being temporarily closed, noise monitoring and stack monitoring not carried out during this period. | | | | | | |
| 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. | Environmental Monitoring at well site was carried out through NABET accredited Consulting Organizations with full-fledged lab facilities as per site requirement. BPRL has formed its own Environment Management cell, which is headed by Director (Ops. & BD) and attached as Annexure 7. However, NABET/NABL accredited laboratory will be outsourced to carry out environment management and monitoring during future development drilling operations. | | | | | | |
| 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 | Information regarding EC accorded for the project was published in newspapers in English as well as Vernacular languages on 04.07.2015. Attached as Annexure-8 . The clearance letter has been also uploaded in BPRL website. The link of EC uploaded is given here. http://bharatpetroresources.com/sustainability/sustainability.aspx#EnvironmentalClearance | | | | | | |
| 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; PM10, SO2, NOX, HC | Six monthly Environment clearance compliance reports are periodically submitted to MOEF vide Letter ref: BPRL/CB-ONN-2010/8/EIA. Date of submission of Environment clearance compliance report as given below: <table border="1"> <thead> <tr> <th>EC compliance Report</th><th>Period</th><th>Date of Submission</th></tr> </thead> <tbody> <tr> <td></td><td></td><td></td></tr> </tbody> </table> | EC compliance Report | Period | Date of Submission | | | |
| EC compliance Report | Period | Date of Submission | | | | | | |
| | | | | | | | | |

| S No | Condition | compliance | | |
|---------|---|---|-----------------------|------------|
| | | | | |
| | (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 | 1st Compliance report | July 15- December 15 | 21.12.2015 |
| | | 2 nd Compliance Report | January 16-June 16 | 16.08.2016 |
| | | 3 rd Compliance Report | July 16-December 16 | 05.04.2017 |
| | | 4 th Compliance Report | January 17 – June 17 | 29.11.2017 |
| | | 5 th Compliance Report | July 17 – December 17 | 25.05.2018 |
| | | 6 th Compliance Report | January 18 – June 18 | 14.11.2018 |
| | | 7 th Compliance report | July 18- December 18 | 24.04.2019 |
| | | 8 th Compliance report | January 19- June 19 | 01.10.2019 |
| | | 9 th Compliance report | July 19- December 19 | 13.05.2020 |
| 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 | <p>The criteria pollutant levels namely; PM10, SO2, NOX, 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 during drilling operation.</p> <p>The EC compliance report along with monitoring data are uploaded on BPRL's website and sent to Regional office of MOEF, CPCB & GPCB. Further the half yearly compliance report is being sent to MoEF, CPCB & GPCB periodically.</p> <p>Date of submission of Environment clearance compliance report as given below:</p> | | |

| S No | Condition | compliance | | | |
|---------|--|---|----------------------|--------------------|--|
| | | EC compliance Report | Period | Date of Submission | |
| | GPCB, The Regional Office of this Ministry /GPCB / GPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company. | 1st Compliance report | July 15- December15 | 21.12.2015 | |
| | | 2 nd Compliance Report | January 16-June 16 | 16.08.2016 | |
| | | 3 rd Compliance Report | July 16-December16 | 05 .04.2017 | |
| | | 4 th Compliance Report | January 17 – June 17 | 29.11.2017 | |
| | | 5 th Compliance Report | July 17 – December17 | 25.05.2018 | |
| | | 6 th Compliance Report | January 18 – June 18 | 14.11.2018 | |
| | | 7 th Compliance Report | July 18-December 18 | 24.04.2019 | |
| | | 8 th Compliance report | January 19- June 19 | 01.10.2019 | |
| | | 9 th Compliance report | July 19- December 19 | 13.05.2020 | |
| | | Six monthly compliance report posted on following website: http://bharatpetroresources.com/sustainability/sustainability.aspx#EnvironmentalClearance | | | |
| 9 | The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project | Environment statement in 'Form V' has been submitted to GPCB for the year 2019-20 on 13.05.2019 vide letter no. BPRL/CB-ONN-2010/STAT/GPCB. The same had also been provided to MOEF&CC vide Email dated 10.08.2020. | | | |

| S No | Condition | compliance |
|---------|---|---|
| | 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. | Previously years Form 'V' has also been submitted to Regional Office of MOEF along with the six monthly EC compliance report ref. BPRL/CB-ONN/2010/8/EIA dated 16.08.2016, 29.11.2017, 20.06.2018 & 01.10.2019. http://bharatpetroresources.com/sustainability/sustainability.aspx#EnvironmentalClearance |
| 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. | Information regarding EC accorded for the project was published in newspapers in English as well as Vernacular languages on 04.07.2015. A copy of same was also sent to MOEF&CC vide previous compliance reports. The clearance letter has been also uploaded in BPRL website. The link of EC uploaded is given here: http://bharatpetroresources.com/sustainability/sustainability.aspx#EnvironmentalClearance |
| 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 01.03.2013 for the period of seven years. MOEF&CC had granted Environmental Clearance (EC) vide F.No.J-11011/324/2013-IA-II (I) dated 22.06.2015 to carry out exploration activities in the block. During initial exploration period, total 6 wells were drilled in the block. There are two discoveries in the Block from well Pasunia#01 & Pasunia#02. The field Development Plan (FDP) of Pasunia discoveries was approved by Director General of Hydrocarbon (DGH) on 11.06.2018. Subsequently, Govt. of Gujarat has granted petroleum Mining Lease (PML) for 15 years vide ref. PML-14-2018-2038 E dated 26.02.2019 (Annexure 09) to carryout developmental activities. EC for developmental activities has been granted by MOEF&CC on 30.07.2019. Work related to development and production will be initiated after awarding the job. Hence, Financial closure is not applicable for this project at this stage. |

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Annexure-1: Copy of EC.

F. No. J-11011/324/2013-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aligarh, Jorbagh Road,
New Delhi-110003

E-mail: lk.bokolia@nic.in
Telefax : 011-24695313
Dated 22nd June, 2015

To,
Shri N. K. Jothieswaran
Senior Manager
Bharat Petro Resources Ltd.
Ranganathan Garden Office,
11th Main Road Post Box No.1212&1213,
Anna Nagar, Chennai 600040- India

E-mail: jothieswaran.nk@bharatpetroresources.in Phone: 044-26142127

Subject: Onshore Oil and Gas Exploration in Block CB-ONN-2010/8 at NELP, Cambay Basin,
located in the common boundary of Ahmedabad, Kheda, and Gandhinagar Districts,
Gujarat by M/s Bharat Petro Resources Ltd. -Environmental Clearance

Ref.: Your letter no. BPRL/CHE/CB-ONN-2010EIA dated 04.03.2015.

Sir,

This has reference to your letter dated 4th March, 2015 alongwith Form-1, Prefeasibility Report,
EIA/EMP report, Public hearing report regarding above mentioned project.

2.0 The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that proposal is for Onshore Oil and Gas Exploration (8 nos. Well) in Block CB-ONN-2010/8 in Gujarat. The NELP IX block CB-ONN-2010/8 is located in common boundary of 3 districts namely Ahmedabad, Kheda and Gandhinagar. The area covered under part A of the block is 14 sq. km and under part B is 28 sq. km. Meshwa River is flowing within the block. It is reported that no protect area notified under Wildlife (Protection) Act, 1972 and Notified Eco-Sensitive Area is located within 10 km distance. Cost of project is US Dollar 26 Million. M/s BPRL intends to drill wells to depth ranging between 1800 m to 3500 m. Following are the coordinates of the blocks. Geographical coordinates of Block 'A'

| | Latitude | | | Longitude | | |
|---|----------|---|----|-----------|----|----|
| A | 23 | 0 | 54 | 72 | 50 | 10 |
| B | 23 | 0 | 54 | 72 | 48 | 6 |
| C | 23 | 3 | 0 | 72 | 48 | 6 |
| D | 23 | 3 | 0 | 72 | 50 | 11 |
| A | 23 | 0 | 54 | 72 | 50 | 10 |

[Signature]

Geographical coordinates of Block 'B'

| | Latitude | | | Longitude | | |
|---|----------|----|----|-----------|----|----|
| A | 23 | 0 | 0 | 72 | 46 | 38 |
| B | 23 | 0 | 0 | 72 | 50 | 10 |
| C | 22 | 57 | 26 | 72 | 50 | 8 |
| D | 22 | 57 | 26 | 72 | 46 | 38 |
| E | 23 | 0 | 0 | 72 | 46 | 38 |

Details of each proposed exploratory wells are as given below

| Well Locations | Villages | Village Distance | Distance of Road from Well Location |
|----------------|----------|------------------|---|
| Well -1 | Karoli | 1.53 Km | 0.12 Km (Village Road of Pasunj - Karoli) |
| Well-2 | Kodrali | 0.48 Km | 1.76 Km (Village Road of Pasunj-Karoli) |
| Well -3 | Kuha | 2.12 Km | 0.80 Km (Village road of Kuha - Pasunj) |
| Well-4 | Demaliya | 0.97 Km | 1.05 Km (Village Road) |
| Well-5 | Chandial | 0.41 Km | 900 meter (Ahmedabad Zafod Highway) |
| Well-6 | Bhavda | 1.79 Km | 200 meters (Village Road) 1.85 Km (Ahmedabad - Zafod Road) |
| Well-7 | Vadod | 1 Km | 1.85 Km (Village Road to Chandial) |
| Well-8 | Ranodra | 1.35 Km | 0.14 Km (Village Road) |

3.0 Air emissions from D.G. sets will be dispersed by providing adequate stack height. Flare stack of 30 m height will be provided. Water based mud will be used. Water requirement from tanker supply will be 35 m³/day. Wastewater generation will be 5 m³/day. Drill cutting (DC) will be separated from water based mud (WBM) and washed properly and unusable drilling fluids (DF) will be disposed off in well designed lined pit with impervious liner for solar drying. 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 sent to authorized recyclers. D.G. sets (4x500 KVA + 1 x 100 KVA) will be installed to meet the emergency requirement of exploratory drilling operations. Blow out preventers (BOP) will be installed to control fluid from the formation gushing to the surface. In the event the well is unsuccessful, the well bore will be cement plugged.

4.0 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.

5.0 Public Hearing / Public Consultation meeting conducted on 3rd November, 2014 for Gandhinagar District, 5th November, 2014 for Ahmedabad District and 31st December, 2014 for Kheda District as per EIA Notification, 2006.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 9th meeting held during 29th - 30th January, 2014 and Expert Appraisal Committee (Industry-2) in its 38th meeting held during 20th - 21st April, 2015 respectively. Project Proponent and the EIA Consultant namely M/s Detox Corporation Pvt. Ltd. have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on information submitted by you, the Ministry of Environment and Forest 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. The present EC is for Exploratory Drilling only. In case Development drilling to be done in future, prior environmental clearance must be obtained from the Ministry.
- ii. 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 16th November, 2009 for PM₁₀, PM_{2.5}, SO₂, NO_x, CO, methane & 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 35 m³/day and prior permission shall be obtained from the concerned agency.
- vii. The company shall construct the earthen 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. Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.
- x. Oil spillage prevention 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 (oil sludge) and spent oil shall be disposed of to the authorized recyclers.
- xi. 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.
- xii. 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.
- xiii. 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.
- xiv. On completion of drilling, the company have to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.

- xv. 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.
- xvi. Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.
- xvii. 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 to the 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.
- xviii. Abandoned well inventory and remediation plan shall be submitted within six months from the date of issue of letter.
- xix. Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.
- xx. In case the commercial viability of the project is established, the Company shall prepare a detailed plan for development of oil and gas fields and obtain fresh environmental clearance from the Ministry.
- xxi. Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Bhopal.
- xxii. 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.
- xxiii. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.
- xxiv. 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.
- xxv. All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.
- xxvi. Company shall have own Environment Management Cell having qualified persons with proper background.
- xxvii. 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.

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 & Forest. 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 Forest 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.

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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.

11.0 Environmental Clearance is issued to M/s Bharat Petro Resources Ltd for onshore oil and gas exploration in Block CB-ONN-2010/8, in NELP, Cambay Basin, located in the common boundary of Ahmedabad, Kheda, and Gandhinagar Districts, Gujarat.


(Lalit Bokolia)
Additional Director

Copy to:

1. The Principal Secretary, Forest & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010, Gujarat.
2. The Chief Conservator of Forest (Western Zone), Ministry of Environment, Forest and Climate Change, 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, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh, New Delhi.
6. Guard File/Monitoring File/Record File


(Lalit Bokolia)
Additional Director

F.No.J-11011/324/2013-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division

Indira Paryavaran Bhawan
Jor bagh Road, New Delhi - 3
Dated: 30th July, 2019

To,

M/s Bharat PetroResources Ltd (BPRL),
Bharat Bhawan, 486 Currimbhoy Road,
Ballard Estate, P.O. Box 688,
Mumbai - 400001 (Maharashtra)

Sub: Onshore development and production of oil & gas by M/s Bharat PetroResources Ltd in the Block CB-ONN-2010/8 in Pasunia field in Cambay Basin covering Districts Gandhinagar, Ahmedabad and Kheda (Gujarat) - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No.IA/GJ/IND2/75954/2018 dated 4th March, 2019 along with the EIA/EMP report for the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for onshore development and production of oil & gas from ten wells (Two existing and 8 new development wells) by M/s Bharat PetroResources Ltd (BPRL) in an area of 42 sq km in Block CB-ONN-2010/8 in Pasunia Field in Cambay Basin, covering Districts Gandhinagar, Ahmedabad and Kheda (Gujarat).

3. Existing Block area is 42 sq km. Greenbelt is proposed to be developed in an area of 33% of total area of the QPF Facility. The estimated project cost is Rs.43 Crore. Total capital cost earmarked towards environmental pollution control measures is Rs.43 lakhs and the Recurring cost (operation and maintenance) will be about Rs.25 lakhs per annum.

4. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves and Wild life Corridors etc within 10 km from the project site.

5. Total fresh water requirement is 35 m3/day proposed to be met from tanker supply. Effluent of 5 m3/day quantity will be treated through mobile ETP system. The plant will be based on Zero Liquid discharge system.

6. The project/activity is covered under category A of item 1(b) 'Offshore and onshore oil and gas exploration, development & production' of the schedule to the EIA Notification, 2006, and requires appraisal/approval at central level in the Ministry.

7. The standard ToR for the project was granted on 2nd September, 2018. Public hearing for the project was conducted by SPCB on 29th January 2019 at District Gandhinagar and 2nd February, 2019 at District Ahmedabad.

8. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on 6-8 May, 2019, wherein the project proponent and their accredited consultant presented the EIA/EMP report. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.



9. Based on the proposal submitted by the project proponent and recommendations of EAC (Industry-2), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **onshore development and production of oil & gas from ten wells (Two existing and 8 new development wells) by M/s Bharat PetroResources Ltd (BPRL) in the Block CB-ONN-2010/8 in Pasunia Field in Cambay Basin, covering Districts Gandhinagar, Ahmedabad and Kheda (Gujarat), under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as below:-**

- (a) Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.
- (b) Effluent shall be treated in mobile ETP, as proposed by the project proponent. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land.
- (c) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (d) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- (e) Ambient air quality shall be monitored at the nearest human settlements to ensure conformity with the National Ambient Air Quality Emission Standards issued by the Ministry vide GSR No.826(E) dated 16th November, 2009 for PM₁₀, PM_{2.5}, SO₂, NO_x, CO, CH₄, HC, Non-methane HC etc.
- (f) During exploration, production, storage and handling, the fugitive emissions of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.
- (g) The project proponent also to ensure trapping/storing of the CO₂ generated, if any, during the process and handling.
- (h) Approach road shall be made pucca to minimize generation of suspended dust.
- (i) The company shall make all arrangements for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with adequate stack height as per CPCB guidelines.
- (j) Total fresh water requirement shall not exceed 35 cum/day to be met through tankers.
- (k) 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.
- (l) Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud/drill cutting shall be discharged/dropped off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.545(E) dated 30th August, 2005.

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- (m) 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.
- (n) 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.
- (o) 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.
- (p) 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 Regional Office.
- (q) Blow Out Preventer 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.
- (r) Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.
- (s) After completion of drilling process, suitable measures shall be taken for well plugging and secured enclosures, and drilling site shall be restored to the original condition. In case of the hydrocarbon not found economically viable, a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.
- (t) All the commitments made to the public during public consultation/hearing shall be satisfactorily implemented.
- (u) At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
- (v) Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.
- (w) Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office.
- (x) 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.
- (y) Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and 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.

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(z) Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken accordingly.

9.1 The grant of Environmental Clearance is further subject to compliance of other generic conditions as under:-

(i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, State Government and/ or any other statutory authority.

(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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 locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No.826(E) dated 16th November, 2009 shall be complied with.

(v) 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 the Environment (Protection) Act, 1986 and the Rules made there under.

(vi) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.

(vii) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures shall be implemented.

(viii) The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.

(ix) A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(x) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

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(xi) A copy of the clearance letter shall be sent by the project 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.

(xii) The project proponent shall submit six monthly reports on the status of compliance of the Environmental Clearance conditions to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on website of the company.

(xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 clearance conditions and shall also be sent to the respective Regional offices of MoEF&CC by e-mail.

(xiv) The project proponent shall inform the public about receipt of the environmental clearance, available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.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 concerned Regional office of the Ministry.

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein.

Sd/-
30/11/2019
(S. K. Srivastava)
Scientist E

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 (MP)
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, **Delhi** -32
4. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, **Gandhi Nagar**-382 043 (Gujarat)
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhawan, Jor bagh road, **New Delhi**
6. Guard File/Monitoring File/Record File

Sd/-
30/11/2019
(S. K. Srivastava)
Scientist E



DETOX GROUP

Saurashtra Enviro Projects Pvt. Ltd.

Integrated Common Hazardous Waste Management Facility

REF No: SEPPL/1200002572/2016-17/731

Date of Issue: 06/10/2016

TO WHOMSOEVER CONCERN

PROVISIONAL MEMBERSHIP CERTIFICATE

This is to certify that M/s. **Bharat Petro Resources Limited (Generator)** having its Production Unit at **Survey No.879, Nelp-ix block-cb-onn-2010/8,Vill.Karoli, Tal:Dehgam,Dist:Gandhinagar** has approached M/s. **Saurashtra Enviro Projects Pvt. Ltd. (Operator)** for obtaining membership of its Integrated Common Hazardous Waste Management Facility (I.C.H.W.M.F) for disposal of Industrial Hazardous Waste generated from their Production activities.

This Provisional Certificate with validity of 06 (six) months from date of issue has been issued for meeting and complying any immediate requirement of the Regulators.

Final Membership Certificate shall be awarded subject to successful completion of all essential membership formalities.

Note: Waste disposal activities shall commence post receipt of Final Membership Certificate by the Generator.

In event of any clarification/discussion, please feel free to contact us at info@sepplindia.com for further assistance.

Thanks & Regards,

For, Saurashtra Enviro Projects Pvt. Ltd

(Signature)
(Director)

| FORM 10 (See Rule 19 (1)) | | Third Copy |
|---|---|-----------------------------------|
| MANIFEST FOR HAZARDOUS AND OTHER WASTE | | |
| Sender's Name & Mailing Address (Including Phone No. & E-mail) | PPPL (Bharat Petro Products Ltd) c/o PMP Intratech Pvt Ltd. | |
| Sender's Authorization No. : | — | |
| Manifest Document No. : | 10-0-0 | |
| Transporter's Name & Address : (Including Phone No. & E-mail) | PMP Intratech Pvt Ltd. | |
| Type of Vehicle : | <input type="checkbox"/> Truck <input checked="" type="checkbox"/> Tanker <input type="checkbox"/> Special Vehicle | |
| Transporter's Registration No. : | — | |
| Vehicle Registration No. : | CJ-18-BT-5517 | |
| Receiver's Name & Mailing Address (Including Phone No. & E-mail) | CDIUV Tando Project Ltd. Plot No-55, 12/B, GIPC Area, Oldav, Ahmedabad | |
| Receiver's Authorization No. | AUCH-85761 | |
| Waste Description : | Drilling (Lead & Heavy) (Liquid waste) | |
| Total Quantity No. : of Containers | 26240 MT or MT Nos. | |
| Physical form | (Solid/Semi-Solid/Sludge/Gelly/Tarry/Slurry/Liquid) | |
| Special Handling Instructions and Additional Information | well, no chemical #01 (CHBU) | |
| Sender's Certificate | I hereby declare that the contents for consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations. | |
| Name & Stamp | Signature | Month Day Year 6 2 1 5 2 0 2 0 |
| Transporter's Acknowledgement of Receipt of Waste | | |
| Name & Stamp | Signature | Month Day Year 6 2 1 5 2 0 2 0 |
| Receiver's Certification for Receipt of hazardous and other waste | | |
| Name & Stamp | Signature | Month Day Year |
| Transporter Intratech Pvt. Ltd. | For Sender | For Receiver |

FORM 10

[See Rule 19 (1)]

Third Copy

MANIFEST FOR HAZARDOUS AND OTHER WASTE

| | | | | |
|--|---|-------|-----|------|
| 1. Sender's Name & Mailing Address (Including Phone No. & E-mail) | BPP (Bioscience Resource Project) c/o PMP Intratech Pvt Ltd. | | | |
| 2. Sender's Authorisation No. : | — | | | |
| 3. Manifest Document No. : | M-031 | | | |
| 4. Transporter's Name & Address : (Including Phone No. & E-mail) | PMP Intratech Pvt Ltd | | | |
| 5. Type of Vehicle : | <input type="checkbox"/> Truck <input checked="" type="checkbox"/> Tanker <input type="checkbox"/> Special Vehicle | | | |
| 6. Transporter's Registration No. : | — | | | |
| 7. Vehicle Registration No. : | C3-12-RT-9041 | | | |
| 8. Receiver's Name & Mailing Address (Including Phone No. & E-mail) | Gujarat Environmental Pvt Ltd - 21, 1118 CDRS Area Gujarat Ahmedabad | | | |
| 9. Receiver's Authorisation No. | RWH-84761 | | | |
| 10. Waste Description : | 3rd party (Liquid Waste) (Liquid Waste) | | | |
| 11. Total Quantity No. of Containers | 82.500 M ³ or MT Nos. | | | |
| 12. Physical form | (Solid/Semi-Solid/Sludge/Oil/Tarry/Slurry/Liquid) | | | |
| 13. Special Handling Instructions and Additional Information | With no chemical HCU (HCU) | | | |
| 14. Sender's Certificate | I hereby declare that the contents the consignment are fully and accurately described above by proper shipping name and are packaged, packed, marked and labeled in accordance with all requests in proper condition for transport by road according to applicable national government regulations. | | | |
| Name & Stamp | Signature | Month | Day | Year |
| | | 02 | 15 | 2020 |
| 15. Transporter's Acknowledgement of Receipt of Waste | | | | |
| Name & Stamp | Signature | Month | Day | Year |
| | | 02 | 15 | 2020 |
| 16. Receiver's Certification for Receipt of hazardous and other waste | | | | |
| Name & Stamp | Signature | Month | Day | Year |
| | | | | |

For Transporter
PMP Intratech Pvt Ltd


For Sender

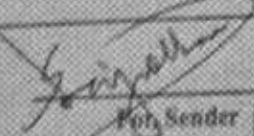
For Receiver


(Form No. 1011)


MANIFEST FOR HAZARDOUS AND OTHER WASTE

| | | |
|--------------|---|---|
| 1. | Sender's Name & Mailing Address (Including Phone No. & E-mail) | Brown Petrol Pvt. Ltd. C/O Puro Industries Pvt. Ltd. |
| 2. | Sender's Authorization No. : | |
| 3. | Manifest Document No. : | MS-027 |
| 4. | Transporter's Name & Address : (Including Phone No. & E-mail) | Puro Industries Pvt. Ltd. |
| 5. | Type of Vehicle : | <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Tanker <input type="checkbox"/> Special Vehicle |
| 6. | Transporter's Registration No. : | |
| 7. | Vehicle Registration No. : | GT-01-47-1454 |
| 8. | Receiver's Name & Mailing Address (Including Phone No. & E-mail) | M/S. C/O. Infrastructure Pvt. Ltd. Survey No-193, Village-Gaushat, Dist-Bharatpur, State-Uttar Pradesh PIN-231333 |
| 9. | Receiver's Authorization No. | UPM-83683 |
| 10. | Waste Description : | Leach Fill Solid Waste (Drilling Waste) |
| 11. | Total Quantity No. of Containers | 14.250 MT or MT |
| 12. | Physical form | Solid/Liquid/Gas (Specify) |
| 13. | Special Handling Instructions and Additional Information | Drilling well No- BH 701. |
| 14. | Sender's Certificate | I hereby declare that the contents the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled anders in all respects in proper condition for transport by road according to applicable national government regulations. |
| Name & Stamp | | Signature Month Day Year 01 12 2020 |
| 15. | Transporter's Acknowledgement of Receipt of Waste | |
| Name & Stamp | | Signature Month Day Year 01 12 2020 |
| 16. | Receiver's Certification for Receipt of hazardous and other waste | |
| Name & Stamp | | Signature Month Day Year 01 12 2020 |


 For Transporter
 Puro Industries Pvt. Ltd.


 For Sender





Well Abandonment Report-Bhavada#01

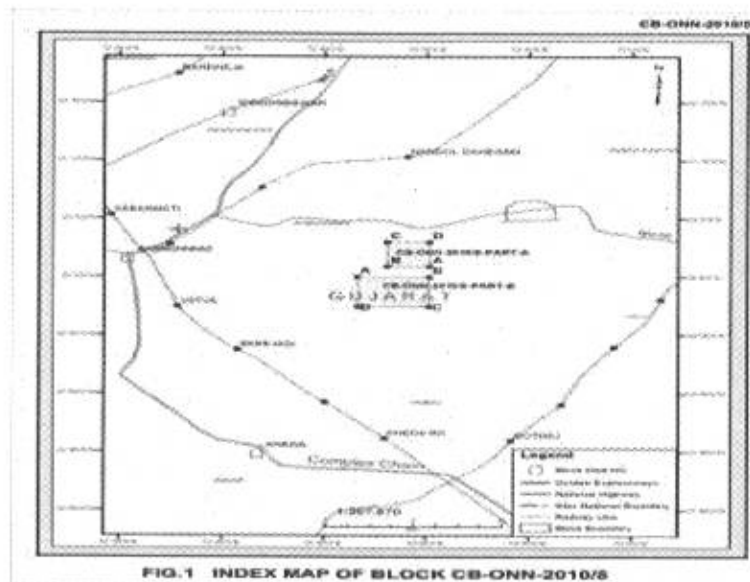
After completion of drilling and testing of wells, the wells which are devoid of any Hydrocarbon presence (dry wells) and no longer economic for the operator for production are permanently Plugged and Abandoned (P&A).

The objective of all P&A operations is to achieve the following:

- isolate and protect all fresh and near fresh water zones
- isolate and protect all future commercial zones
- prevent leaks in perpetuity from or into the well
- remove surface equipment and cut pipe to a mandated level below the surface

I. Background of block:

The block CB-ONN-2010/8 was awarded to the consortium of BPRL, Gas Authority of India Limited (GAIL), Engineers India Limited (EIL), B F Infrastructure Pvt. Limited (BFIL) and Monnet Ispat and Energy (MIEL) by Government of India (GoI) under ninth round of New Exploration License Policy (NELP) bidding. The Block CB-ONN-2010/8 lies in the Ahmedabad- Mehsana Tectonic block of the Cambay Basin and falling under Ahmedabad, Gandhinagar & Kheda district in Gujarat. It covers an area of 42 km² comprising of two parts namely 'Part A', Area: 14 km² and 'Part B', Area: 28 km².



The block CB-ONN-2010/8 is located to the South-South East of Gandhinagar city and approximately 35 kms far from Ahmedabad city. The Ahmedabad-Delhi National Highway No. 8 passes near Gandhinagar city. The National Highway No. 8, 59, NH 47, NH 48 & NE 1 passes in the vicinity of the block. The nearest international and domestic airports are located at Ahmedabad & Baroda situated in the proximity of the block.

The exploration activities as per Minimum work Programme (MWP) committed to Govt. of India has been completed in the block. As per MWP, 6 exploratory wells were drilled in the block. During drilling & testing operation of these wells, few wells were found devoid of any producible hydrocarbons. These wells were required to be plugged and abandoned.

The well abandonment was done inline with requirements of OISD 175. The abandonment done was encompassed two forms of plugging:

1. Open Hole downhole abandonment
2. Surface abandon plug

II. Abandonment of well Bhavda#01:

As mentioned above that BPRL led consortium had drilled 6 wells in block CB-ONN-2010/8, in which one well Bhavda#01 was declared dry while drilling as there was no presence of Oil & Gas. Based on the evaluation of logs (including MDT log), BPRL had decided to plug and abandon the well.

A. Open Hole Downhole abandonment:

- i. Open Hole Downhole Abandonment-Cement Plug-1 Job (1820m – 1720m):

The open hole starting from 1244.14 m was found devoid of hydrocarbon shows. Hence Open hole plug was planned for the section.

As per the OISD 175, for open hole plug, in case there is no oil & gas or fresh water zones, the open hole shall be isolated by placing one cement plug of minimum of 60 meters. Accordingly a 100m plug which exceeds the requirement of OISD 175 was placed successfully. The details of plug is as follows:

| | | | | |
|-----------------------------|--------------------------|------------------|----------------------|----------------------------|
| Cement Plug details | 1820m to 1720m | | | |
| Cement slurry pumped | 25.4 bbls of 15.8 slurry | | | |
| Pumping Schedule | Fluids Pumped | Pumped by | Density (ppg) | Volume pumped (bbl) |
| | Spacer | Schlumberger | 12.0 | 20.0 |
| | Cement slurry | Schlumberger | 15.8 | 25.4 |
| | Spacer | Schlumberger | 12.0 | 5.2 |
| | Mud | Schlumberger | 10.6 | 83 |

ii. Open Hole Downhole Abandonment-Cement Plug-1 Job (1820m – 1720m):

As per the OISD 175, for open hole plug, in case there is no oil & gas or fresh water zones, the open hole shall be isolated by placing one cement plug of minimum of 60 meters. Accordingly a 100m plug which exceeds the requirement of OISD 175 was planned and successfully carried out. The details of plug is as follows:

A cement plug was placed partially in open hole and partially inside 9-5/8" casing. The details of the middle cement plug are as follows:

| | | | | |
|-----------------------------|--------------------------|------------------|----------------------|----------------------------|
| Cement Plug details | 1304m to 1154m | | | |
| Cement slurry pumped | 38.8 bbls of 15.8 slurry | | | |
| Pumping Schedule | Fluids Pumped | Pumped by | Density (ppg) | Volume pumped (bbl) |
| | Spacer | Schlumberger | 12.0 | 20.0 |
| | Cement slurry | Schlumberger | 15.8 | 38.8 |
| | Spacer | Schlumberger | 12.0 | 5.2 |
| | Mud | Schlumberger | 10.6 | 49.5 |

As per OISD, the plug in the hole shall be tagged by applying a weight of atleast 8MT on the plug. It should also be pressure tested by applying pump pressure of 500psi or 80% of LOT value of previous casing shoe, whichever is less. Accordingly weight test was done and cement plug was also tested successfully to 1000 psi with 10.6 ppg of mud.

B. Surface abandon plug-Cement Plug-3 Job (63m – Surface):

As per OISD 175, surface cement plug of atleast 60m length shall be placed in such a manner that the top of the plug is within 60m below the mean ground level in the smallest level. Accordingly a plug of 63m was planned and carried out.

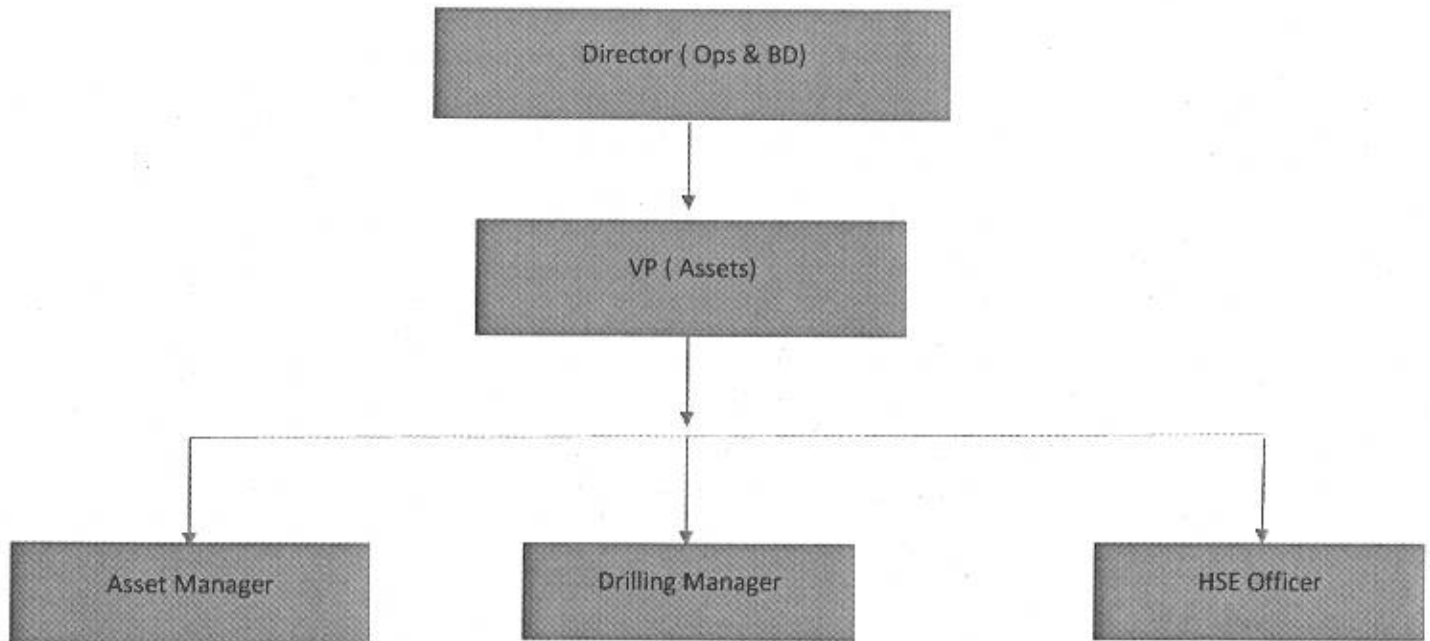
The details of the surface cement plug are as follows:

| | | | | |
|-----------------------------|------------------------|------------------|----------------------|----------------------------|
| Cement Plug details | 63m to Surface | | | |
| Cement slurry pumped | 13 bbls of 15.8 slurry | | | |
| Pumping Schedule | Fluids Pumped | Pumped by | Density (ppg) | Volume pumped (bbl) |
| | Cement slurry | Schlumberger | 15.8 | 13.0 |

A MS plate was welded on top of 13 3/8" casing and cellar was cleaned.

Using three plug to abandon the well which was devoid of hydrocarbon, BPRL has successfully carried out abandonment operations of Bhavda#01 well, which exceeds the requirements of OISD 175.

Environment Management Cell Of BPRL



Newspaper Advertisement

PUBLIC NOTICE

M/s Bharat PetroResources Ltd.
(Common Boundary of
Ahmedabad, Kheda and
Gandhinagar district) hereby
informs the public that the
proposed Onshore Oil and Gas
Exploration in Block CB-ONN-
2010/8 has been accorded
ENVIRONMENTAL CLEARANCE
by MOEF, New Delhi, and copy of
the letter is available with the
GPCB and may also be seen at
website of Ministry of Environment
and Forest, New Delhi at [http://
envfor.nic.in](http://envfor.nic.in)

જાહેર નોટીસ

મેક્સ ભારત પેટ્રોરિસોર્સ લી. (અમદાવાદ,
ખેડા અને ગાંધીનગર જિલ્લા ની સંયુક્ત સીમા).
જાહેર જનતાને જણાવવા માંગે છે કે બ્લોક સીબી-
ઓએનએન-૨૦૧૦/૮ ખાતે ઓનશોર ઓઇલ અને
ગેસ એક્સપ્લોરેશન પ્રોજેક્ટને એમ.ઓ.ઇ.એફ, ન્યુ
દિલ્લી તરફથી એન્વાયરમેન્ટ ક્લીયરન્સ આપવામાં
આવેલ છે જેની કોપી ગુજરાત પ્રદુષણ નિયંત્રણ
બોર્ડ પાસે ઉપલબ્ધ છે. તદુપરાંત તેની કોપી
એમ.ઓ.ઇ.એફ ની વેબસાઇટ (<http://envfor.nic.in>)
ઉપર પણ જોઈ શકાય છે.

Government of Gujarat
Energy & Petrochemicals Department
No. PML-14-2018-2038-E
Sachivalaya, Gandhinagar.
Date: - 26/02/2019

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 Mining Lease for Crude Oil and Natural Gas as per following:

| | |
|--------------------------------|---|
| Name of Mining Lease | : PASUNIA |
| Area of Mining Lease (Sqkm) | : 42.00 Sq.km. (Part A - 14.00 sq.km. and Part B - 28 sq.km) |
| Effective date | : From the Date of Order. |
| Term of Mining Lease | : 15 (Fifteen) years |
| Name of Lessee | : M/s Bharat PetroResources Limited (BPRL) |
| District / (s) | : Ahmedabad, Gandhinagar and Kheda |
| MoPNG Approval Order No & Date | : O-12012/11/2012-ONG-III/IV dated 15/01/2019 |

Details of statutory payments in accordance with the Rule 13(1) of PNG Rule 1959 (as amended from time to time) are as follows:

| Sr. | Nature of Payment | Challan Date | Amount Rs. | Head of Account | Name of the Treasury |
|-----|--|--------------|----------------|----------------------|----------------------|
| 1. | Security Deposit | 29/08/2018 | Rs. 8,00,000/- | 8443 - Civil Deposit | Gandhinagar |
| 2. | Application fee & Preliminary Expenses | 23/07/2018 | Rs. 3,20,000/- | 0853-00-102-03 | Gandhinagar |

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

- A. The Mining Lease shall be in respect of Crude oil and Natural Gas.
- B. The lease shall be valid for a period of 15 (Fifteen) years from the date of issue.
- C. The lease 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.
- D. The BPRL shall within the first seven days of every month furnish to the Director of Petroleum and the State Government a full and proper return showing the quantity and gross value of all crude oil, casing head condensate and natural gas obtained during the preceding month in pursuance of the lease.
- E. Royalty on Crude Oil, Condensate and Natural Gas shall be payable by the lessee as per such rates as may be fixed, from time to time, by the Central Government in consultation with the State Government. The royalty shall be payable on monthly basis and shall be payable by the last day of the month succeeding the period in respect of which it is payable.

- F. The royalty and other payment under PNG Rules shall be paid through cyber treasury to the State Government.
- G. The BPRL shall have to pay every year advanced dead rent in respect of lease, calculated at the rates as amended from time to time under PNG Rules.
- H. The BPRL shall also pay every year surface rent in respect of the lease for the surface area or the land actually used by them for the purpose of the operation conducted under the lease at the rate as fixed by the Government from time to time.
- I. The BPRL shall take preventive measures against the hazard of fire under ground and/or on the surface and shall take every required measure to prevent any other accidents / mishaps. For this, the company shall keep required equipments, supplies and means at all times and shall pay such compensation to the third party and/or Government as may be determined in case of damage due to fire/accidents etc.
- J. The lease shall commence production as early as possible and shall inform in advance to the Directorate of Petroleum before commencement of production.
- K. The Lessee shall intimate well in advance (at least 10 days) about the commencement of any exploratory/development activities in the Mining Lease to the Directorate of Petroleum and the State Government.
- L. The Lessee shall display notices at all conspicuous points on the area covered by the lessee to indicate its boundaries along with properly secured wells and vital installations. Further a sign board should also be displayed at exploration/development/production site to the satisfaction of the DoP/State Government.
- M. In case if there is no production from ML, then lessee shall immediately inform to DoP/State Government with the reason for the same.
- N. The DGH approved post well head cost (PWHC) in accordance with the August 2007 notification of MoPNG is ZERO.
- O. The State Government and the Director of Petroleum's officials may undertake field visit to ascertain the activities carried out by lessee, as per the provision of relevant acts and Rules.
- P. Lessee shall execute a separate lease deed in respect of such other covenants, terms and conditions as per the prescribed format at the earliest.

OTHER TERMS AND CONDITIONS

- 1. Upon determination or relinquishment of any area covered by this lease, the lessee shall furnish all the data to the State Government.
- 2. Necessary approval from the Competent Authority should be obtained for the Reserve Forest Area (if any) falling in the leased area.
- 3. If international companies or foreigners are entrusted with the task, the lessee may get security vetting of these companies through the appropriate Government agencies with help of MoPNG. 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 MoPNG.
- 4. The lessee shall issue identity card to each of the employees. The system of checking identity cards of personnel will have to be strictly enforced.

5. Security to its employees both at the project sites and en-route in insurgency-affected areas will be the responsibility of the lessee.
6. The lessee shall allow Government, authorities to enter and inspect area for security check-up, if necessary.
7. Lessee shall not employ any foreign national surreptitiously in the area along the border.
8. 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.
9. Air Force area falling within the zones embarked for delineation should be avoided.
10. For works in close vicinity of Indian Air Force units / installations and visit to these installations, if any, specific permission of Air Hdqrs. should be obtained.
11. 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.
12. 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.
13. In case the production of oil/gas ceases permanently from the field, the DGH and the State Government may be informed immediately.

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


(Hitesh Patel)
Under Secretary
Energy & Petrochemicals Department

To,

- Shri Tushar Datta, Vice President (Assets), Bharat PetroResources Limited, Makers Towers, 'E' Wing, 9th Floor, Cuffe Parade, Mumbai - 400 005.

Copy for:-

- The District Collector, Ahmedabad / Gandhinagar / Kheda.
- The Director of Petroleum, Gandhinagar.
- The Accountant General, Ahmedabad.
- The Addl. Accountant General, Rajkot.
- The Superintendent of Stamps, Gandhinagar.
- Shri D. K. Ghosh, Under Secretary to Government of India, Ministry of Petroleum & Natural Gas, Shastri Bhavan, New Delhi.
- Select file - 2019.