

SIX MONTHLY COMPLIANCE REPORT OF BORHAT-TITLAGARH AREA
(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied.
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.	Complied 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 (daytime) and 70 dBA (night time).	Noise control measures like silencers, enclosures etc. have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.
VI.	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 APSPCB. The criteria pollutant levels namely; PM10, SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral	Being Complied.

	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.	
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APCB shall monitor the stipulated conditions.	Being Complied.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. (Test report enclosed as Annexure-I)
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March.
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office.	Complied. Details of the environmental Clearances are published in the local newspapers.
X.	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.	Under compliance.

Specific Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	As proposed, only 2 Nos. exploratory wells shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	Permission and recommendations of the State Forest Department regarding impact of the proposed plant on the surrounding Dilli Reserve Forest and Sapekhati Reserve Forest located within 10 km radius of the project site shall be obtained and recommendations shall be implemented satisfactorily.	None of the drilled wells has fallen within 10 km distance of nearby RF. Thus, permission from the State Forest Department is not taken.
III.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM10, PM2.5, SO2, NOX, CO, CH4, HC, Non-methane HC etc.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. (Test report enclosed as Annexure-II)
IV.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied.
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.	Complied. Noise barriers are constructed for reduction of Noise Level. Noise levels are monitored at suitable period. DG sets are provided with proper stack height and acoustic enclosures as per CPCB guidelines.
VI.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals - no heavy metal found. Presence of Mercury in air and water was also analyzed in our laboratory -not detected. (Test report enclosed as Annexure-III)
VII.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.
VIII.	Total fresh water requirement shall not exceed 50 m ³ /day per well and prior permission shall be obtained from the concerned agency.	Complied. Use of fresh water limited to permissible quantity. No objection certificate received from central ground water board, N.E. Region, Guwahati.
IX.	The company shall construct the garland drain all around the drilling site to prevent	Complied. Constructed the garland drains all

	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.	around the drilling sites. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
X.	Drilling waste water including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with the notified standards for on-shore disposal. The membership of common TSDF should 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 Shillong.	HDPE liner being provided in the waste water disposal pit. Complied. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE lining.
XI.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XII.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XIII.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Disposal of solid waste, drill cuttings and drill fluid have been done as per guideline.
XIV.	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.	Measures to prevent fire hazards, Containing oil spill and soil remediation have been taken. Flaring of gases has been done as per OISD standard.
XV.	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.	OIL never encountered H2S and no such evidence exists in our field of operation. However, action is being initiated to develop a contingency plan for H2S release. H2S detector and Self containing breathing apparatus is available with OIL.
XVI.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance.
XVII.	Blow Out Preventer (BOP) system shall be installed to prevent well blowouts during drilling operations.	Complied.

	BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	
XVIII	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied wherever applicable. Emergency Response Plan of OIL is reviewed and prepared based on the guidelines as per OISD, DGMS & GOI.
XIX.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied. In case of abandonment of well, all statutory regulations are complied and restoration of location is done as per company's well abandonment policy.
XX.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied.
XXI	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.	Under compliance. Application submitted.
XXII.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied.
XXIII.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company. (Copy enclosed as Annexure-IV)
XXIV.	Company shall ensure good housekeeping at the drilling site.	Complied.
XXV	Company shall prepare project specific environmental manual and a copy shall be made available at the drilling site for the compliance.	Complied.
XXVI	Company shall adopt Corporate environmental Policy as per the Ministry's O.M. No. J-11013/41/2006-IA.II (I) dated 26 th April, 2011 and implemented.	Complied. The environment policy in tri language has been prepared and circulated. (Copy enclosed as Annexure-V)
XXVII	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF DIBRUGARH-BHOGPARA AREA
(For the period from 1st October, 2017 to 31st March, 2018)

General Condition:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. Drilling activities are conducted as per the approval received from MoEF.
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.	Complied 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 (daytime) and 70 dBA (night time).	Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APCB shall monitor the stipulated conditions.	Complied.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. Enclosed as Annexure-I
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance.

Specific Conditions:

SI No.	CONDITIONS	COMPLIANCE
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I.	As proposed, only development well (3 Nos.) and exploratory well (1 No.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	As proposed, no drilling of well and any construction work shall be carried out in forest land.	Agreed to comply.
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Telpani reserve forest (13.31 km ²), Jokai reserve forest and Nambang reserve forest.	Under compliance.
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. Enclosed as Annexure-II.
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied.
VII.	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.	Complied. Noise barriers are constructed for reduction of Noise Level. Noise levels are monitored at suitable period. DG sets are provided with proper stack height and Acoustic enclosures as per CPCB guidelines.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found. Presence of Mercury in air and water was also analyzed in our laboratory – not detected. Enclosed as Annexure-III.
IX.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.
X.	Total fresh water requirement shall not exceed 42 m ³ / day/well and prior permission shall be obtained from the concerned agency.	Complied. Use of fresh water limited to permissible quantity. No objection certificate received from central ground water board, N.E. Region, Ghy.

XI.	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.	Complied. Constructed the garland drains all around the drilling sites. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
XII.	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 should 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 Shillong.	Complied. HDPE liner being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XIV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Disposal of solid waste, drill cuttings and drill fluid was done as per guidelines.
XVI.	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.	Measures to prevent fire hazards, containing oil spill and soil remediation have been taken. Flaring of gases is done as per OISD standard.
XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, H ₂ S detector and Self containing breathing apparatus is available with OIL.
XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance.
XIX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall	Complied.

	focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan of OIL is reviewed and prepared based on the guidelines as per OISD, DGMS & GOI.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found. A full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied wherever applicable. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per company's well abandonment policy.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied.
XXIII.	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.	Under compliance.
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. OIL has an approved Well Abandonment & Restoration Policy which takes care of all such measures and regulatory requirement. After completion of drilling operations, sites are restored as per OIL's policy guidelines.
XXV	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company. Enclosed as Annexure-IV
XXVI	Company shall prepare and circulate the environmental policy.	The environmental policy has been prepared and circulated. Enclosed as Annexure-V
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.	Operational manual in respect of all drilling activities is available.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided	Complied.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise. However, OIL discontinued the usage of amine in its drilling operation

XXX	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF DUMDUMA-PENGRY AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied.
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. To maintain noise level as per standards at site sound barrier walls, silencer and enclosures have been provided. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the	Complied. Also the clearance letter has been put up on the company website.

<p>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.</p>	
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VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being Complied.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APSPCB shall monitor the stipulated conditions.	Complied.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March.
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance.

Specific Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	As proposed, only exploratory well (1 No.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	No drilling of well and any construction work shall be carried out in forest land.	Agreed to comply.
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Katha Reserve Forest, Burihiding RF, Duarmara RF, Tarani RF, Dumduma RF, Nalni RF, Philobari RF, Takowani RF, Kakojan RF, Digboi RF, Bogapani RF and Upper Dihing RF and copy submitted to the Ministry and its Regional Office at Shillong.	Under compliance.
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. (Test report enclosed as Annexure-I)
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Flare system was not required.
VII.	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.	Complied. To maintain noise level as per standards at site sound barrier walls, silencer and enclosures have been provided. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found. Presence of Mercury in air and water was also analyzed in our

		laboratory – not detected. (Test report enclosed as Annexure-II)
IX.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied.
X.	Total fresh water requirement shall not exceed 42 m ³ /day/well and prior permission shall be obtained from the concerned agency.	Complied. Use of fresh water limited to permissible quantity. No objection certificate received from central ground water board, N.E. Region, Guwahati.
XI.	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.	Complied. Garland drain was constructed and separate drainage system was made for oil contaminated as well as non-oil contaminated water.
XII.	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 should 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 Shillong.	Complied. HDPE liner being provided in the waste water disposal pit. There is no common TSDf facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XIV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Complied.
XVI.	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,	Complied. Measures to prevent fire hazards, containing oil spill and soil

	the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	remediation have been taken. Flaring of gases has been done as per OISD standard.
XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, H ₂ S detector and Self containing breathing apparatus is available with OIL.
XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance. _____
XIX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	The operation at this well was temporarily suspended after setting a bridge plug and cement plug above the perforation. Further testing of well will be done in due course of time.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXIII.	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.	Under compliance. _____
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Restoration of well plinth is done after completion of drilling activities.
XXV	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to	Complied.

	the Ministry's Regional Office at Shillong.	
XXVI	Company shall prepare and circulate the environmental policy.	Complied.
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.	Complied.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Complied.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	Complied.
XXX	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.



SIX MONTHLY COMPLIANCE REPORT OF JORAJAN AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

Sl. No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. Stipulated Statutory norms by statutory authorities have been adhered.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied.
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied. The status of compliance of the stipulated environment clearance has been uploaded on OIL's website. Also the compliance report has been sent to respective authorities as stated in the condition.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APSPCB shall monitor the stipulated conditions.	Being complied. Six monthly compliance report and results of monitored data have been sent to the concerned authorities.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. <hr/>
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance. <hr/>

Specific Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (4 Nos.) and exploratory well (3 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	As proposed, no drilling of well and any construction work shall be carried out in forest land.	Agreed to comply
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Jaipur RF and Upper Dihing (W/B) RF under the Dibrugarh and Digboi Forest Division as well as Namsang RF and Borduria RF under Deomali Forest Division of Arunachal Pradesh.	Under compliance.
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Prior clearance shall be from the Standing Committee of the National Board for Wildlife regarding Wildlife Sanctuary (Dihing Patkai).	No well within the ESZ of Dihing-Patkai WLS.
VI.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. (Test report enclosed as Annexure-I).
VII.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied.
VIII.	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.	Complied. Enclosure and sound barrier have been provided to control noise. DG sets are provided with proper stack height and acoustic enclosures as per CPCB guidelines.
IX.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy

		metal found. Presence of Mercury in air and water was also analyzed in our laboratory – not detected. (Test report enclosed as Annexure-II)
X.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied.
XI.	Total fresh water requirement shall not exceed 42m ³ /day/well and prior permission shall be obtained from the concerned agency.	Use of fresh water limited to 42 m ³ /day. No objection certificate received from central ground water board, N.E. Region, Ghy.
XII.	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.	Complied. Constructed the garland drains all around the drilling sites. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
XIII.	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 should 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 Shillong.	Complied. HDPE liner being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIV.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XVI.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Complied. Disposal of solid waste, drill cuttings and drill fluid have been done as per guidelines.
XVII.	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	Measures to prevent fire hazards, containing oil spill and soil remediation have been taken. Flaring of gases is done as per OISD standard.

	flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	
XVIII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, H ₂ S detector and Self containing breathing apparatus is available with OIL.
XIX.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance.
XX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XXI	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied.
XXII.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied wherever applicable. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per company's well abandonment policy.
XXIII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXIV.	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.	Under compliance.
XXV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. Restoration of well plinth is done after completion of drilling activities.
XXVI	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company. Complied.

XXVII	Company shall prepare and circulate the environmental policy.	The environment policy in tri language has been prepared and circulated. (Copy enclosed as Annexure-III)
XXVIII	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.	Operational manual in respect of all drilling activities is available.
XXIX	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided	Complied.
XXX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise. However, OIL discontinued the usage of amine in its drilling operation (A test report is enclosed as Annexure-IV).
XXXI	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXII	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF KHOWANG-SHALMARI AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied.
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Copy of EC has been sent to concerned authorities as specified and clearance letter has also been uploaded on OIL' website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied. Status of compliance of the stipulated environment clearance has been uploaded on OIL's website
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APSPCB shall monitor the stipulated conditions.	Being complied.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. <hr/>
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance. <hr/>

Specific Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (2 Nos.) and exploratory well (3 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	As proposed, no drilling of well and any construction work shall be carried out in forest land.	Agreed to comply.
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Namdang, Telpani and Jokai RF as well as the Khowang-Salmari area is also a part of the Indo-Burma Biodiversity Hotspot.	Under compliance
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. (Test report enclosed as Annexure-I)
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied. <hr/>
VII.	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.	For controlling noise level, enclosure and sound barrier have been provided to DG sets. DG sets are provided with proper stack height and Acoustic enclosures as per CPCB guidelines.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found. Presence of Mercury in air and water was also analyzed in our laboratory – not detected. (Test report enclosed as Annexure-II) .

IX.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.
X.	Total fresh water requirement shall not exceed 42 m ³ / day/well and prior permission shall be obtained from the concerned agency.	Use of fresh water limited to 42 m ³ / day/well. No objection certificate received from central ground water board, N.E. Region, Guwahati.
XI.	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.	Complied. Garland drain is constructed and Separate drainage system also is made for oil contaminated as well as non-oil contaminated water. <u>Effluent water is being reused/re-cycled after treatment at mobile ETPs.</u>
XII.	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 should 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 Shillong.	Disposal pit with HDPE lining is used disposal of waste water. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XIV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Disposal of solid waste, drill cuttings and drill fluids has been done as per guideline.
XVI.	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.	Measures to prevent fire hazards, containing oil spill and soil remediation have been taken. Flaring of gases has done as per OISD standard wherever needed.

XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, H ₂ S detector and Self containing breathing apparatus is available with OIL.
XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance. <hr/>
XIX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied wherever applicable. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per Company's well abandonment policy.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXIII.	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.	Under compliance. <hr/>
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. Restoration of well plinth is done after completion of drilling activities.
XXV	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXVI	Company shall prepare and circulate the environmental policy.	The environmental policy in tri language has been prepared and circulated. <u>(Copy enclosed as Annexure-III)</u>

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.	Operational manual in respect of all drilling activities is available.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Complied. HDPE lining, overflow channel and oil-grease trap is provided.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise. However, OIL discontinued the usage of amine in its drilling operation <u>(A test report is enclosed as Annexure-IV).</u>
XXX	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF Loc. DFK
(For the period from 1st October, 2017 to 31st March, 2018)

Specific Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	The company shall pay compensation for acquisition of private land as per the Central Government norms. The compensation to be paid to the land loser shall not be less than the norms/package as per the policy on National Resettlement and Rehabilitation Rules, 2007.	
II.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Complied
III.	The surface facilities shall be installed as per applicable codes and standards, international practices and applicable local regulations.	Complied
IV.	The top soil removed shall be stacked separately for reuse during restoration process.	
V.	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 should be obtained for the disposal of drill cuttings and hazardous waste. Otherwise, secured land fill shall be created at the site with the authorization of the SPCB. The design of the secured shall be approved by the SPCB.	Complied. There is no common TSDf facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
VI.	The recyclable waste (oily sludge) and spent oil shall be disposed to the authorized recyclers.	Spent oil is disposed through authorised recycler as per prevailing practice.
VII.	Only water based drilling mud shall be used. The drilling mud shall be recycled. In case of use of synthetic oil based mud due to any problem due to geological formation for drilling, low toxicity, Oil Based Mud (OBM) having aromatic content <1 % shall be used. If it is intended to use such OBM/SBM to mitigate specific hole problem, it should be intimated to Ministry of Environment and forests/ SPCB.	Complied. Only water based mud was used.
VIII.	Quantities of storage and chemicals and additives	

	required for drilling mud preparation shall be below the specified threshold for specified storage permitted under the MSIHC Rules.	
IX.	Pre hire rig inspection, safety meetings, tool box meeting, job safety analysis and audits shall be carried out to identify hidden/potential hazardous.	Complied.
X.	The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during flaring.	Complied.
XI.	The Company shall take necessary measures to reduce noise levels at the drill site by providing mitigation measures such as proper acoustic enclosures to the DG set and meet the norms notified by the MoEF. Height of all the stacks/vents shall be provided as per the CPCB guidelines.	Complied.
XII.	To prevent fire and explosion at Oil and Gas facility, potential ignition sources should be kept to a minimum and adequate separation distance between potential ignition sources and flammable material should be in place.	Complied.
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.	To prevent well blowouts during drilling operations, Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied
XV.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian	

	Petroleum Regulations.	
XVI.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	

General Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	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.	
II.	The emissions of (RSPM, SPM, SO ₂ , NO _x , HC & VOC) from DG set and from flare stack shall conform to the standards prescribed by the SPCB. Regular monitoring of Ambient Air for HC and VOC shall be carried out as per CPCB guidelines. Stack height attached to DG sets shall be in-conformance with the environment protection act and rules.	
III.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended subsequently. Prior approval from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc., must be obtained, wherever applicable.	
IV.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of Hazardous Wastes (Management and Handling) Rules, 1989/2003 where applicable. Authorisation from the State Pollution Control Board must be obtained for collections/ treatment/ storage/ disposal of hazardous wastes.	
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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Complied.

VI.	A separate Environment Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	
VII.	The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & Forest as well as the State Government along with implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any purpose.	
VIII.	The regional office of the Ministry at Shilong/Central Pollution Control Board/ State pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	
IX.	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	
X.	The 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.	

SIX MONTHLY COMPLIANCE REPORT OF MECHAKI AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Condition:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No expansion or modification carried out.
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.	Complied 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 (daytime) and 70 dBA (night time).	Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Copy of EC has been sent to concerned authorities as specified and the clearance letter has also been uploaded on the OIL's website.

VI.	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 APCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied. The status of compliance of the stipulated environment clearance has been uploaded on OIL's website. Also the compliance report has been sent to respective authorities as stated in the condition.
VII.	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 APCB. The Regional Office of this Ministry / CPCB / APCB shall monitor the stipulated conditions.	Being complied.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. _____
IX.	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 APCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance. _____

Specific Condition:

Sl No.	CONDITIONS	COMPLIANCE
I.	As proposed, only exploratory well (6 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	No drilling of well and any construction work shall be carried out in forest land.	Agreed to comply
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Dangori RF, Mechaki RF, Hahkhati RF, Kumsong RF and Doomdooma RF.	Under compliance.
IV.	Prior clearance shall be from the Standing Committee of the National Board for Wildlife regarding Dibru-Saikhowa National Park.	None of the wells has fallen within ESZ of Dibru-Saikhowa NP.
V.	Drilling site shall not be close to villages, schools etc.	Complied.
VI.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Ambient air quality monitoring has been done near the closest human settlements. (Test report enclosed as Annexure-I)
VII.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied.
VIII.	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.	Complied. For controlling noise level, enclosure and sound barrier have been provided to DG sets. DG sets are provided with proper stack height and Acoustic enclosures as per CPCB guidelines.
IX.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period	Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found, Report enclosed in Presence of Mercury in air and water was also analyzed in our laboratory – not detected. Complied. (Test report

		enclosed as Annexure-II)
X.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.
XI.	Total fresh water requirement shall not exceed 42 m ³ / day/well and prior permission shall be obtained from the concerned agency.	Use of fresh water limited to 42 m ³ /day. No objection certificate received from central ground water board, N.E. Region, Guwahati.
XII.	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.	Complied. Constructed the garland drains all around the drilling sites. Effluent water is being reused/re-cycled after treatment at mobile ETPs
XIII.	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 should 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 Shillong.	Complied. HDPE liner being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam & Arunachal Pradesh. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIV.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XVI.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Complied.

XVII.	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.	Measures to prevent fire hazards, containing oil spill and soil remediation have been taken. Flaring of gases is done as per OISD standard.
XVIII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	There is no evidence of H ₂ S in our fields of operation. However, H ₂ S detector & Self containing breathing apparatus is available with OIL.
XIX.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance.
XX	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XXI.	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied.
XXII.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied wherever applicable. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per company's well abandonment policy.
XXIII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules	Complied. Periodic medical examination (PME) is done as per norms.
XXIV	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.	Under compliance.
XXV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. Restoration of well plinth is done after completion of drilling activities.

XXVI	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXVII	Company shall prepare and circulate the environmental policy.	Complied.
XXVIII	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.	Operational manual in respect of all drilling activities is available.
XXIX	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Complied. HDPE liner has been provided in drill cutting as well as supernatant storage pits. Oil-grease trap facility has also provided.
XXX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise.
XXXI	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXII	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF MORAN AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Condition:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No expansion or modification in the project has been carried out.
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. Enclosure and sound barrier have been provided to control of noise. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The status of compliance of the stipulated environment clearance has been uploaded on OIL's website. Also the compliance report has been sent to respective authorities as stated in the condition.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APCB shall monitor the stipulated conditions.	Being Complied.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Complied. Environmental statement in Form-V is submitted for each financial year ending 31 st March. <hr/>
IX.	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 APSPCB 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.	Being Complied. Status of compliance of the stipulated environment clearance conditions has been uploaded on OIL's website. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance. <hr/>

Specific Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (2 Nos) and exploratory well (6 Nos) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	As proposed, no drilling of well and any construction work shall be carried out in forest land.	Agreed to comply.
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Namdang RF.	Under compliance.
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Ambient air quality monitoring is being done on regular basis as per NAAQ emission standards. (Test report enclosed as Annexure-I)
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied.
VII.	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.	Complied.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found. Presence of Mercury in air and water was also analyzed in our laboratory –which has not been detected. (Test report enclosed as Annexure-II)
IX.	Approach road shall be made pucca to minimize	Complied. Approach roads are being made with

	generation of suspended dust.	black topping to minimize generation of suspended dust.
X.	Total fresh water requirement shall not exceed 42 m ³ /day/well and prior permission shall be obtained from the concerned agency.	Complied. Use of fresh water limited to permissible quantity. No objection certificate received from central ground water board, N.E. Region, Ghy.
XI.	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 is constructed and separate drainage system also is made for oil contaminated as well as non-oil contaminated water. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
XII.	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 should 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 Shillong.	Complied. HDPE liner being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied. Good sanitation facility is provided at site.
XIV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Disposal of solid waste, drill cuttings and drilling fluid has been done as per the guidelines as specified in the condition.
XVI.	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.	Ground flare facilities during testing of well is provided as per guidelines.

XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	There is no evidence of H ₂ S in our fields of operation. H ₂ S detector & Self containing breathing apparatus is available with OIL.
XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance. _____
XIX.	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.	Complied.
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied wherever applicable. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per company's well abandonment policy.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied Periodic medical examination (PME) is done as per norms.
XXIII.	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.	Under compliance. _____
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Restoration of well plinth is being done after completion of drilling activity. _____
XXV	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXVI	Company shall prepare and circulate the environmental policy.	The environmental policy in tri language has been prepared and

		circulated. <u>(Copy enclosed as Annexure-II)</u>
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.	Operational manual in respect of all drilling activities is available.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Complied. HDPE lining is being provided in drill cutting as well as supernatant storage pits. Oil-grease trap facility is also being provided.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise. However OIL discontinued the usage of amine in its drilling operation <u>(A test report is enclosed as AnnexureIV).</u>
XXX	Company shall ensure good house keeping at the drilling site.	Complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.



SIX MONTHLY COMPLIANCE REPORT OF N. HAPJAN-TINSUKIA-DHOLA AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No expansion or modification in the project has been carried out.
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.
VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ ,	The status of compliance of the stipulated environment clearance has been uploaded on OIL's website

	SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APCB shall monitor the stipulated conditions.	Six monthly compliance report and results of monitored data have been sent.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March.
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance.

Specific Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (26 Nos.) and exploratory well (15 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. Drilling activities are conducted as per the approval received from MoEF & CC.
II.	As proposed, no drilling of well and any construction work shall be carried out in forest land.	Agreed to comply.
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Borajan RF, Bherjan RF, Padumani RF, Dibru RF, Upper Dihing (west) RF complex including Lakhpathar RF.	Under compliance.
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Monitoring of Ambient air quality is being done on regular basis as per NAAQ emission standards. (Test report enclosed as Annexure-I) .
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied wherever applicable. <hr/>
VII.	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.	Complied.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found. Presence of Mercury in air and water was also analyzed in our laboratory – not detected. Complied. (Test report enclosed as Annexure-II) .
IX.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.

X.	Total fresh water requirement shall not exceed 42 m ³ /day/well and prior permission shall be obtained from the concerned agency.	Complied. Use of fresh water limited to permissible quantity. No objection certificate received from central ground water board, N.E. Region, Ghy.
XI.	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 is being made all around the drill site as per condition. Separate drainage system has been made for oil contaminated and non-oil contaminated fluid. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
XII.	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 should 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 Shillong.	HDPE liner is being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam & Arunachal Pradesh. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XIV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Disposal of solid waste, drill cuttings and drill fluids was done as per guidelines.
XVI.	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.	Measures to prevent fire hazards, containing oil spill and soil remediation have been taken. Flaring of gases is done as per OISD standard.

XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, H ₂ S detector and Self containing breathing apparatus is available with OIL.
XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance. _____
XIX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan of OIL is reviewed and prepared based on the guidelines as per OISD, DGMS & GOI.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied wherever applicable. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per norms/ guidelines.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXIII.	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.	Under compliance. Application submitted. _____
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Under compliance. Restoration of well plinth is done after completion of drilling activities. _____
XXV	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXVI	Company shall prepare and circulate the environmental policy.	The environmental policy in tri language has been prepared and circulated. (Copy enclosed as Annexure-III)

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.	Operational manual in respect of all drilling activities is available.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Complied.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise. However, OIL discontinued the usage of amine in its drilling operation (A test report is <u>Enclosed as Annexure-IV</u>)
XXX	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF NAHARKATIA-DEOHAL-BAGAPANI-NAGAJAN AREA (For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied.
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.	Complied 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 (daytime) and 70 dBA (night time).	Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
V.	A separate Environment Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department and full-fledged laboratory.
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.	Complied. Also the clearance letter has been put up on the company website.

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 SPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The status of compliance of the stipulated environment clearance has been uploaded on OIL's website. Also the compliance report has been sent to respective authorities as stated in the condition.
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 SPCB. The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. Environmental six monthly compliance status reports shall be posted on the website of the company.	Being Complied. Six monthly compliance report has been prepared and to be submitted to the concerned authorities.
IX.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. _____
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 SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Status of compliance of the stipulated environment clearance conditions has been uploaded on OIL's website. Details of the environmental clearance are published in the local newspapers.
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.	Under compliance. _____ _____

Specific Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	The present EC is for Exploratory Drilling only. In case of Development drilling is to be done in future, prior environmental clearance must be obtained from the Ministry.	Agreed to comply.
II.	Environmental clearance is subject to their obtaining prior clearance from the Standing Committee of the National Board for Wildlife regarding DhingPatkai and Borajan Segment of Bherjan-Borajan-Padumoni Sanctuary.	Applied for clearance from the Standing Committee of the National Board for Wildlife for 17 wells which are within ESZ of Dehing-Patkai WLS and Borajan Segment of Bherjan-Borajan-Padumoni WLS.
III.	Well no. 22 shall not be drilled as proposal for drilling of such well has been dropped due to location of well within forest area.	Complied.
IV.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, methane & Non-methane HC etc.	Complied. Ambient air quality monitoring has been done near the closest human settlements as per NAAQ emission standards. (Test report enclosed as Annexure-I) .
V.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found, and Presence of Mercury in air and water was also analyzed in our laboratory – not detected. Complied. <u>(Test report enclosed as Annexure-II)</u> .
VI.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied Approach roads are being made with black topping to minimize generation of suspended dust.
VII.	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.	Complied. Enclosure and sound barrier have been provided to control of noise as per CPCB guidelines.
VIII.	Total water requirement shall not exceed 22m ³ /day and prior permission shall be obtained from the concerned agency.	Complied. No objection certificate received from central ground water board, N.E. Region, Ghy.
IX.	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 all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies is constructed as per the prevailing practice of OIL. _____ OIL is also having mobile ETP for treating effluent water at each drilling site.

X.	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 Shillong.	HDPE liner is provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings shall be disposed in a pit at site having HDPE liner.
XI.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XII.	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 (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil if any shall be disposed off through authorised recycler as per present practice.
XIII.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Complied.
XIV.	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.	Complied.
XV.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, H ₂ S detector and Self containing breathing apparatus is available with OIL.
XVI.	On completion of drilling, the company have to plug the drilled wells safely and obtained certificate from environment safety angle from the concerned authority.	Complied. (No comment from our end)
XVII.	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.	Complied.
XVIII.	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan (ERP) as per guidelines of OISD, DGMS and Govt. of India is in place.

XIX.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied. In case of abandonment of well, all statutory regulations is complied and restoration of location is done as per company's well abandonment policy.
XX.	Abandoned well inventory and remediation plan shall be submitted within six months from the date of issue of letter.	Will be complied. <hr/>
XXI	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXII.	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.	Will be complied. <hr/>
XXIII.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. Restoration of well plinth is done after completion of drilling activities. <hr/>
XXIV.	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXV	Under Enterprise Social Commitment (ESC), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in and around the project.	Complied.
XXVI	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.	Under compliance. <hr/>
XXVII	A social audit shall be carried out for the whole operation area with the help of reputed institute like Madras Institute of Social Science etc.	Will be complied. <hr/>
XXVIII	All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.	Complied.
XXIX	Company shall have own Environment Management Cell having qualified persons with proper background.	Complied. OIL has a dedicated Safety & Environment department having qualified persons with proper background.

X.	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.	Operational manual in respect of all drilling activities is available at drilling site.
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Six monthly EC compliance for NAMCHIK PEL area

(For the period from 1st October, 2017 to 31st March, 2018)

EC No: F. No. J-11011/877/2008-IA.II (I) dated 23rd November' 2010.

Loc. NCK-1: Drilling (Status as on 31.03.2018) – No further activity carried out and there is no change of status.

Sl. No.	Condition	Compliance status
	A. Specific conditions:	
(i)	No construction work shall be started at the site without obtaining forest clearance under the Forest (Conservation) Act, 1980 for the sites located within the forest areas. Compensatory afforestation shall be done by the concerned State Forest Department at the cost of M/s OIL as per statutory regulation.	Forest Clearance obtained for Loc. NCK-1
(ii)	Compensation for the land acquisition to the land oustees, if any, and for standing crop shall be paid as per the National Resettlement and Rehabilitation Policy (NRRP), 2007 or State Government norms. It may be ensure that compensation provided shall not be less than the norms of the NRRP, 2007.	Agreed to comply
(iii)	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Agreed to comply
(iv)	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Agreed to comply
(v)	The flare system shall be designed as per good oil field practices and oil industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Agreed to comply
(vi)	The company shall make the arrangement for control of noise from the drilling activity and DG sets. The Company shall take necessary measures to reduce noise levels such as proper casing at the drill site and meet DG set norms notified by the MoEF.	Agreed to comply (Acoustic enclosure and sound barrier wall are provided to reduce noise level.)
(vii)	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005 and drill cutting (DC) wash water shall be treated to conform to limits notified under the Environment (Protection) Act, 1986 before disposal. The treated effluent shall be monitored regularly.	Agreed to comply (Disposal of solid waste, drill cutting and drilling fluids is done as per GSR.546(E).)
	Total ground water requirement shall not exceed 50	NOC for use of Ground

(viii)	m ³ /day/well and prior permission shall be obtained from the CGWA / SGWB. A copy of the permissions shall be submitted to the Ministry's Regional Office at Shillong.	Water from the Regional Office, Central Ground Water Board, Guwahati obtained. (NOC Copy enclosed, ANNEXURE-2)
(ix)	Only water based drilling mud shall be used. The drilling mud shall be recycled. Hazardous waste shall be disposed of as per Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008. Quantities of storage of chemicals and additives required for drilling mud preparation shall be below the specified threshold for specified storage permitted under the MSIHC Rules.	Agreed to comply (Chemical to confirm)
(x)	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 drains will be constructed all around the drilling sites. Effluent water will be reused/re-cycled after treatment with mobile ETP. (ETP is provided)
(xi)	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 Shillong.	Agreed to comply (Disposal pit with HDPE lining is used for disposal of waste water.)
(xii)	Oil spillage 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/reprocessors.	Agreed to comply
(xiii)	The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation. To prevent fire and explosion at Oil and Gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable material shall be in place.	Agreed to comply (Fixed firefighting system and adequate fire extinguishers are provided. Flammable materials are kept in safe distances.)
(xiv)	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	Agreed to comply (No comment from our end.)
(xv)	The top soil removed shall be stacked separately for reuse during restoration process.	Being complied

(xvi)	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Agreed to comply (BOP stack as per GTO is used during drilling.)
(xvii)	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Agreed to comply (ERP in place.)
(xviii)	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored to 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.	Agreed to comply (No comment from our end.)
(xix)	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Agreed to comply
(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.	Agreed to comply
(xxi)	The project proponent shall also comply with the environmental protection measures and safeguards recommended in the EIA / EMP report.	Agreed to comply
(xxii)	The surface facilities shall be installed as per applicable codes and standards, international practices and applicable local regulations.	Agreed to comply
(xxiii)	Pre-hire rig inspection, safety meetings, tool box meeting, job safety analysis and audits shall be carried out to identify hidden potential hazardous.	Agreed to comply
(xxiv)	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas/oil shall be governed by ASME/ANSI B 31.8/B31.4 and OISD standard 141.	Agreed to comply
(xxv)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed to comply
B. General Conditions		
(i)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Agreed to comply
(ii)	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of	Agreed to comply

	Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
(iii)	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	Agreed to comply
(iv)	The project authorities must strictly comply with the rules and regulation with regarding to handling and disposal of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/ disposal of hazardous wastes.	Agreed to comply. CONSENT ORDER (Consent to Establish, Consent to Operate, Authorisation) obtained from the Arunachal Pradesh State Pollution Control Board (Consent Order Copy enclosed, ANNEXURE-3).
(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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Agreed to comply (Acoustic enclosure and sound barrier wall are provided to reduce noise level.)
(vi)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Already functional
(vii)	The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.	Agreed to comply
(viii)	The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Being complied
(ix)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied

(x)	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 SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed to comply
(xi)	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 SPCB. The Regional Office of this Ministry / CPCB / GPCB shall monitor the stipulated conditions.	Agreed to comply
(xii)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Agreed to comply
(xiii)	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 GSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied
(xiv)	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.	Agreed to comply. Land development activity started on 14/11/2016.

GSR 546(E) dt. 30th August, 2005. Disposal of Drill Cutting and Drilling Fluids for On-shore Installations:

(a)	Drill Cuttings (DC) originating from on-shore or locations close to shore line and separated from Water Base Mud (WBM) should be properly washed and unusable drilling fluids (DF) such as WBM, Oil Base Mud (OBM), and Synthetic Base Mud (SBM) should be disposed of in a well-designed pit lined	Will be complied.
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	with impervious liner located off-site or on-site. The disposal pit should be provided additionally with leachate collection system. Design aspects of the impervious waste disposal pit; capping of disposal pit should be informed by the oil industry to State Pollution Control Board (SPCB) at the time of obtaining consent.	
(b)	Use of diesel base mud is prohibited. Only WBM should be used for on-shore oil drilling operations.	Will be complied. (WBM mud is used.)
(c)	In case of any problem due to geological formation for drilling, low toxicity OBM having aromatic content <1% should be used. If the operators intend to use such OBM to mitigate specific hole problem/ SBM it should be intimated to Ministry of Environment and Forests/State Pollution Control Board.	Will be complied.
(d)	The chemical additives used for the preparation of DF should have low toxicity i.e. 96 hr. LC50 > 30,000 mg/l as per mysid toxicity or toxicity test conducted on locally available sensitive sea species. The chemicals used (mainly organic constituents) should be biodegradable.	Will be complied.
(e)	DC separated from OBM after washing should have oil content at < 10 gm/kg for disposal into disposal pit.	Will be complied.
(f)	The waste pit after it is filled up shall be covered with impervious liner, over which, a thick layer of native soil with proper top slope is provided.	Will be complied.
(g)	Low toxicity OBM should be made available at installation during drilling operation.	Will be complied. (Not applicable in this case.)
(h)	Drilling wastewater including DC wash water should be collected in the disposal pit evaporated or treated and should comply with the notified standards for onshore disposal.	Will be complied. (Waste water is disposed to effluent pits. ETP used for treating the waste water.)
(i)	Barite used in preparation of DF shall not contain Hg > 1 mg/kg & Cd > 3 mg/kg.	Will be complied.
(j)	Total material acquired for preparation of drill site must be restored after completion of drilling operation leaving no waste material at site. SPCB should be informed about the restoration work.	Will be complied.
(k)	In case, environmentally acceptable methods for disposal of drill waste such as (a) injection to a formation through casing annulars, if conditions allow (b) land farming at suitable location (c) bio-remediation (d) incineration or (e) solidification can be considered, in such cases oil industry is required to submit proposal to Ministry of Environment and Forests/State Pollution Control Board (MoEF/SPCB) for approval.	Will be complied.

SIX MONTHLY COMPLIANCE REPORT OF NINGRU AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Arunachal Pradesh State Pollution Control Board (APSPCB), State Government and any other statutory authority.	To be complied.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Will be complied.
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.	Will be complied 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 (daytime) and 70 dBA (night time).	Will be complied.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Under compliance. The status of compliance of the stipulated environment clearance has been uploaded on OIL's website. Also the compliance report has been sent to respective authorities as stated in the condition.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APSPCB shall monitor the stipulated conditions.	Under compliance. Six monthly compliance report and results of monitored data have been sent to the concerned authorities.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. <hr/>
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied.
X.	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.	Will be informed. <hr/>

Specific Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (11 Nos.) and exploratory well (8 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Proposed drilling activity yet to start. <hr/> <hr/>
II.	No drilling of well and any construction work shall be carried out in forest land.	Will be complied.
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Namsai, Chongkham, Manabhum and Tengapani reserve forest.	Will be complied.
IV.	Drilling site shall not be close to villages, schools etc.	Will be complied.
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Will be complied.
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Will be complied.
VII.	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.	Will be complied.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Will be complied.
IX.	Approach road shall be made pucca to minimize generation of suspended dust.	Will be complied.
X.	Total fresh water requirement shall not exceed 42 m ³ /day/well and prior permission shall be obtained from the concerned agency.	Will be complied.

XI.	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.	Will be complied.
XII.	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 should 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 Shillong.	Will be complied.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Will be complied.
XIV.	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.	Will be complied.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Will be complied.
XVI.	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.	Will be complied.
XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	There is no evidence of H ₂ S in our fields of operation. However, action has been initiated to develop a contingency plan for H ₂ S release. H ₂ S detector and Self containing breathing apparatus is available with OIL.

XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance. <hr/>
XIX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Will be complied.
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan of OIL is being reviewed based on the guidelines as per OISD, DGMS & GOI.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Will be complied.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Will be complied.
XXIII.	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.	Will be complied.
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Will be complied.
XXV	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 Shillong.	Will be complied.
XXVI	Company shall prepare and circulate the environmental policy.	The environmental policy has been prepared and circulated

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.	Operational manual in respect of all drilling activities is available. Environmental manual is under preparation.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided	Will be complied.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	Will be complied.
XXX	Company shall ensure good housekeeping at the drilling site.	Will be complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF NINGRU EXTENTION AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Arunachal Pradesh State Pollution Control Board (APSPCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No further expansion or modification in the project has been carried out.
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. Noise control measures like silencers, enclosures etc are provided on all sources of noise generation. Ambient noise levels also been maintained and monitored regularly.
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being Complied. The status of compliance of the stipulated environment clearance has been uploaded on OIL's website. Also the compliance report is being sent to respective authorities as stated in the condition.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APCB shall monitor the stipulated conditions.	Being Complied. Six monthly compliance report and results of monitored data have been sent to the concerned authorities.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March.
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance.

Specific Conditions:

Sl No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (10 Nos.) and exploratory well (8 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. <hr/> <hr/>
II.	No drilling of well and any construction work shall be carried out in forest land.	Agreed to comply
III.	Permission shall be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Katha Reserve Forest, the Koriapani Reserve Forest, the Duarmara Reserve Forests and the Tirap Reserve Forests as well as important Bird Area (IBA) network identified as Namtok-Namchik-Nampong-Manmao.	Under Compliance. <hr/>
IV.	Drilling site shall not be close to villages, schools etc.	Complied. <hr/>
V.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Monitoring of Ambient air quality is being done on regular basis as per the condition. (Test report enclosed as Annexure-I)
VI.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied. <hr/>
VII.	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.	Complied.
VIII.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found Presence of Mercury in air and water was also analyzed in our laboratory – not detected. Complied. (Test report enclosed as Annexure-II)
IX.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.

X.	Total fresh water requirement shall not exceed 42 m ³ /day/well and prior permission shall be obtained from the concerned agency.	Use of fresh water limited to 42 m ³ /day. No objection certificate received from central ground water board, N.E. Region, Ghy.
XI.	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 is constructed and separate drainage system also been made for oil contaminated as well as non-oil contaminated water. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
XII.	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 should 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 Shillong.	Complied. HDPE liner being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Arunachal Pradesh. Drill cuttings were disposed in a pit at site having HDPE liner.
XIII.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XIV.	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.	Action plan is being prepared for oil spillage prevention and mitigation scheme. Spent oil is disposed through authorised recycler as per present practice.
XV.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Under compliance.
XVI.	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.	Under compliance.
XVII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along	OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, action has been initiated to develop a contingency plan for H ₂ S release. H ₂ S detector and Self

	with self containing breathing apparatus.	containing breathing apparatus is available with OIL.
XVIII.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	The chances of subsidence in drilling wells are very remote since the wells are designed based on lithology, cased with steel pipes and cemented in stages to avoid subsidence.
XIX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XX	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan of OIL being reviewed based on the guidelines as per OISD, DGMS & GOI.
XXI.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	The drilled well was not commercially viable. Hence, the well was plugged in accordance with the applicable Indian Petroleum Regulations.
XXII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXIII.	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.	Will be complied.
XXIV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Restoration of well plinth is done after completion of drilling.
XXV	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXVI	Company shall prepare and circulate the environmental policy.	The environmental policy in tri language has been prepared and circulated. (Copy enclosed as Annexure-III)

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.	Complied. Operational manual in respect of all drilling activities is available. Environmental manual under preparation.
XXVIII	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Drill cuttings were stored in suitable disposal pit.
XXIX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	Will be complied in the future wells. <hr/>
XXX	Company shall ensure good housekeeping at the drilling site.	Complied.
XXXI	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

SIX MONTHLY COMPLIANCE REPORT OF TENGAHAT-KATHALONI-DIKOM AREA

(For the period from 1st October, 2017 to 31st March, 2018)

General Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	Complied. The observations raised by the statutory authorities like APCB, DGMS, OISD are complied as and when raised.
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. <hr/> <hr/>
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.	Complied 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 (daytime) and 70 dBA (night time).	Complied. Noise control measures like silencers, enclosures etc have been provided on all sources of noise generation. Ambient noise levels being maintained and monitored regularly
V.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Also the clearance letter has been put up on the company website.

VI.	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 APSPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied. The status of compliance of the stipulated environment clearance has been uploaded on OIL's website.
VII.	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 APSPCB. The Regional Office of this Ministry / CPCB / APSPCB shall monitor the stipulated conditions.	Being complied. Six monthly compliance report and results of monitored data are being sent to the concerned authorities on regular basis.
VIII.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as 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.	Environmental statement in Form-V is submitted for each financial year ending 31 st March. <hr/>
IX.	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 APSPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Details of the environmental clearance are published in the local newspapers.
X.	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.	Under compliance. <hr/>

Specific Conditions:

SI No.	CONDITIONS	COMPLIANCE
I.	As proposed, only development well (17 Nos.) and exploratory well (14 Nos.) shall be drilled. No additional wells shall be drilled without prior permission from this Ministry.	Agreed to comply. <hr/>
II.	No drilling of well and any construction work shall be carried out in forest land.	Agreed to comply
III.	Permission should be obtained from the State Forest Department regarding the impact of the proposed drilling on the surrounding reserve forest viz. Telpani RF.	Under compliance. <hr/>
IV.	Drilling site shall not be close to villages, schools etc.	Complied.
V.	Prior clearance shall be from the Standing Committee of the National Board for Wildlife regarding Wildlife Sanctuary (Dihing Patkai).	No well is situated within ESZ of Dihing-Patkai WLS.
VI.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Complied. Monitoring of Ambient air quality is being done on regular basis as per the condition. (Test report enclosed as Annexure-I) .
VII.	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Complied whenever applicable. <hr/>
VIII.	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.	Noise control measures like silencers, enclosures etc. have been provided on all sources of noise generation. Ambient noise levels have been maintained conforming to standards under EPA Rules. The ambient noise levels are being monitored regularly.
IX.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Drill cuttings and drilling fluid have been tested at NEIST, Jorhat for analysing heavy metals – no heavy metal found Presence of Mercury in air and water was also analyzed in our laboratory – not detected. Complied. (Test report enclosed as Annexure-II) . <hr/>
X.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach roads are being made with black topping to minimize generation of suspended dust.

XI.	Total fresh water requirement shall not exceed 42m ³ /day/well and prior permission shall be obtained from the concerned agency.	Use of fresh water limited to permissible quantity. No objection certificate received from central ground water board, N.E. Region, Ghy.
XII.	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 has been made all around the drill site as per condition. Separate drainage system also has been made for oil contaminated and non-oil contaminated fluid. Effluent water is being reused/re-cycled after treatment at mobile ETPs.
XIII.	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 should 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 Shillong.	HDPE liner being provided in the waste water disposal pit. There is no common TSDF facility nearer to our operational areas in the state of Assam. Drill cuttings are being disposed in a pit at site having HDPE liner.
XIV.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Complied.
XV.	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention and mitigation scheme is in place. Spent oil is disposed through authorised recycler as per present practice.
XVI.	The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005.	Being complied.
XVII.	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.	Measures to prevent fire hazards, containing oil spill and soil remediation have been taken. Flaring of gases is done as per OISD standard.
XVIII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	There is no evidence of H ₂ S in our fields of operation. H ₂ S detector and Self containing breathing apparatus is available with OIL.

XIX.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be submitted six monthly to the Ministry and its Regional Office at Shillong.	Under compliance. <hr/>
XX.	Blow Out Preventor (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
XXI	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan of OIL being reviewed based on the guidelines as per OISD, DGMS & GOI.
XXII.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied. In case of abandonment of well, necessary action shall be taken as per recommendation.
XXIII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. Periodic medical examination (PME) is done as per norms.
XXIV.	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.	Under compliance. <hr/>
XXV	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Shillong.	Complied. Restoration of well plinth is done after completion of drilling.
XXVI	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 Shillong.	Oil content in drill cuttings is examined by NEIST, Jorhat and monitored by the competent persons of the Company.
XXVII	Company shall prepare and circulate the environmental policy.	The environmental policy in tri language has been prepared and circulated. (Copy enclosed as Annexure-III)
XXVIII	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.	Complied. Operational manual in respect of all drilling activities is available.

XXIX	Base and side of Drill cutting storage pits and supernatant storage pit shall be provided with HDPE lining. Overflow channel and oil grease trap facility shall be provided.	Complied. HDPE lining is provided in drill cutting as well as supernatant storage pits. Oil-grease trap facility is also provided.
XXX	Chemical characteristics and toxicity in respect of amine and all other chemicals should be found out and monitoring arrangement should be made. A copy of report should be sent to the Ministry's Regional Office at Shillong.	Complied. OIL uses eco-friendly chemicals for water base mud and toxicity of chemicals does not arise. However, OIL discontinued the usage of amine in its drilling operation <u>(A test report is enclosed as Annexure-IV)</u> .
XXXI	Company shall ensure good housekeeping at the drilling site.	Being Complied.
XXXII	Company shall have own Environment Management Cell having qualified persons with proper background. Full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	OIL has a dedicated Safety & Environment department with qualified personnel. Full fledged laboratory facility is also available with OIL.

