

**COMPLIANCE REPORT FOR ENVIRONMENT CLEARANCE GRANTED BY MoEF
(As on 31st March, 2014)**

1.	Name of the project:-	Exploratory Drilling (2 Nos.) in AA-ONN-2001/1 Block East Tripura at Village Khubal, District North Agartala, Tripura. (Well: KHBL)
2.	Location of project/ address:-	Khubal Area
3.	Letter No. & date of Environment Clearance granted by MOEF:-	F. NO. J-11011/104/2012 – IA II (I) dated 21.11.2013
4.	Present Status of project:-	Testing Done, Temporarily Abandoned

A. SPECIFIC CONDITIONS

S. No.	Specific Condition	Remarks
i	No well shall be drilled in the forest land. Environmental Clearance has been accorded for 2 exploratory drilling wells.	Complied.
ii	In case the commercial viability of the project is established, the company shall prepare detailed plan for development of oil & gas fields and obtain fresh clearance from Ministry.	This will be complied on commercial viability of the project as per statutory guidelines.
iii	Approach road shall be made pucca to minimize generation of suspended dust.	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 PM10, PM 2.5, SO ₂ , NO _x , CO, CH ₄ , HC, Non – methane HC etc.	Complied.
v	Mercury shall also be analysed in air, water and drill cuttings twice during drilling period.	Complied.
vi	The company shall make arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height should be provided as per CPCB guidelines.	Silencers were used in DG sets to control noise level. The sound levels of drill site were monitored & found within limit. Proper PPE like ear muffs were used for safety. Acoustic Enclosures were used for DG Sets to control overall noise level.
vii	Total water requirement shall not exceed 25 m ³ / day and prior permission shall be obtained from the Competent Authority.	Complied.

S. No.	Specific Condition	Remarks
viii	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 should be created for oil contaminated and non-oil contaminated. Effluent should be properly treated and treated wastewater should conform to CPCB Standards.	The garland drain was constructed to prevent any runoff oil separated for oil contaminated and non-oil contaminated. ETP was used to treat drilling waste water and was reused as technical water. Treated effluent samples were tested on regular basis and conformed to the CPCB Standards.
xi	Drilling waste water & 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 onshore disposal. The membership of common TSDF shall be obtained for the disposal of drill cuttings and hazardous waste. Otherwise secured landfill shall be created at the site as per design of the approved by CPCB and obtain authorization of the SPCB. Copy of authorization or membership of TSDF shall be submitted to Ministry's Regional Office at Shillong.	Disposal of solid waste, drill cuttings and drilling fluids in secured land fill was implemented. HDPE impervious lining was provided at both the pits (1 st for solid disposal and 2 nd for liquid disposal).
x	Good Sanitation facility shall be provided at the Drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Was complied.
xi	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 to authorized recyclers.	Contingency plan for oil spillage is available. Oily Sludge - NA Spent oil was given to authorized recyclers through MSTC.
xii	The company shall comply with the guidelines of Disposal of solid waste; drill cutting and drilling fluids for onshore drilling operation vide GSR.546 (E) dated 30 August 2005.	- Drill cuttings were washed properly prior to send in waste pit. No hazardous chemicals were used in water base mud. Impervious lining was used. - ETP was used to treat drilling waste water and was reused as technical water. - Treated effluent samples were tested on regular basis.
xiii	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 operation.	OMR, OISD and RCP guidelines were followed to prevent fire hazard.

S. No.	Specific Condition	Remarks
xiv	The company shall develop contingency plan for H ₂ S release, all necessary aspects from evacuation to resumption of normal operations. The workers should be provided with personal H ₂ S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	No H ₂ S gas is encountered in this area.
xvi	To prevent well blowout during operation Blow out Preventer (BOP) system shall be installed. Focus on maintaining well bore hydrostatic pressure by proper pre well planning, drilling fluid, logging etc.	BOP was tested as per DGMS & API guidelines. Other precautions were followed.
xvii	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan (ERP) for is available and is based on the guidelines prepared by OISD, DGMS and Govt. of India.
xviii	The company shall take measure after completion of drilling process, well plugging and secured enclosures, decommissioning of rig upon abandonment of well, the D/S shall be restored to near original condition. In the event that no economic quantity of HC is found a full abandonment plan shall be implemented for site as per Indian Petroleum Regulations.	The site will be restored as per the guidelines.
xix	Occupational health surveillance of the workers shall be carried out as per prevailing the prevailing Acts and Rules.	Regular Pre Medical Examination (PME) for ONGC employees is being done.
xx	Restoration of the project site shall be carried out satisfactorily and report shall be send to the Ministry's Regional Office at Shillong.	The site will be restored as per the guidelines. Six monthly reports being submitted to MoEF, Shillong.
xxi	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.
xxii	Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc in and around the project.	Complied.

S. No.	Specific Condition	Remarks
xxiii	Company shall have their own Environment Management Cell having qualified persons with proper background.	An Environment Management cell exists in Tripura Asset. Some laboratory functions like AAQM and specialized analysis, studies etc. are being done through expert agency
xxiv	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 environment 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 made available at the project site office.	Complied.

B. GENERAL CONDITIONS

S. No.	General Conditions	Remarks
i	The project authorities must strictly adhere to stipulations made by State Pollution Control Board, the State Government and any other statutory.	The stipulations made by State Pollution Control Board & State Govt. are followed.
ii	No further expansion or modification of project shall be carried without prior approval of MOEF. In case of deviation or alteration in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any.	It will be informed.
iii	The project authorities must strictly Comply with rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules 1989. Prior approval from Chief Inspectorate of Factories, Chief Controller of Explosive, Fire Safety Inspectorate etc must be obtained, wherever applicable.	The chemicals used for mud preparation not covered in hazardous chemicals (MHISC) rules. The (MHISC) rule is followed.

S. No.	General Conditions	Remarks
iv	The overall noise levels in and around the plant shall be kept within the standards by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to EPA rules, 1989 viz 75 dBA (daytime) and 70 dBA (night time).	The overall noise level is controlled with suitable measures to control in the permissible limit.
v	A separate Environmental Management Cell equipped with full fledge laboratory facilities to carry out environment management and monitoring functions.	An Environment Management cell exists in Tripura Asset. Some laboratory functions like AAQM and specialized analysis, studies etc. are being done through expert agency
vi	A copy of clearance letter shall be sent by the project 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 website of the company by the proponent.	It is being done.
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 sent to the regional office of the MoEF, the respective zonal office of CPCB and SPCB. The critical pollutant levels namely PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non- methane), VOCs (ambient as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near main gate of the company in the public domain.	Complied.
viii	The project proponent shall also submit six monthly compliance reports on the status of the compliance of the stipulated environmental conditions including the result of the monitoring data (both in hard and soft 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.	Six monthly reports being submitted.

S. No.	General Conditions	Remarks
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 be put on the website of the company along with the status of compliance of environmental conditions and shall be send to the respective Regional offices of MoEF by e-mail.	Will be complied.
x	The project proponent shall inform the public that the project has accorded environmental clearances and copies of clearances letters are available with the State Pollution Control Board and also be seen at Web site of the Ministry of Forests at http://www.envfor.nic.in . This shall be advertised within seven days of the issue of this letter in at least two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	It was published in newspaper.
xi.	The project authority shall inform the RO as well as the Ministry, the date of financial closure and final approval of project by the concerned authorities and date of commencing of land development work.	Date of financial closure (Date of release of location) – 11.10.2012

**COMPLIANCE REPORT FOR ENVIRONMENT CLEARANCE GRANTED BY MoEF
(As on 31st March, 2014)**

1.	Name of the project:-	Exploratory Drilling (2 Nos.) in AA-ONN-2001/1 Block East Tripura at Village Khubal, District North Agartala, Tripura. (Well: KHBM)
2.	Location of project/ address:-	Khubal Area
3.	Letter No. & date of Environment Clearance granted by MOEF:-	F. NO. J-11011/104/2012 – IA II (I) dated 21.11.2013
4.	Present Status of project:-	Drilled, Under Initial Testing

A. SPECIFIC CONDITIONS

S. No.	Specific Condition	Remarks
i	No well shall be drilled in the forest land. Environmental Clearance has been accorded for 2 exploratory drilling wells.	Complied.
ii	In case the commercial viability of the project is established, the company shall prepare detailed plan for development of oil & gas fields and obtain fresh clearance from Ministry.	This will be complied on commercial viability of the project as per statutory guidelines.
iii	Approach road shall be made pucca to minimize generation of suspended dust.	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 PM10, PM 2.5, SO ₂ , NO _x , CO, CH ₄ , HC, Non – methane HC etc.	Complied.
v	Mercury shall also be analysed in air, water and drill cuttings twice during drilling period.	Complied.
vi	The company shall make arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height should be provided as per CPCB guidelines.	Silencers are being used in DG sets to control noise level. The sound levels of drill site is being monitored & found within limit. Proper PPE like ear muffs are being used for safety. Acoustic Enclosures are used for DG Sets to control overall noise level.
vii	Total water requirement shall not exceed 25 m ³ / day and prior permission shall be obtained from the Competent Authority.	Complied.

S. No.	Specific Condition	Remarks
viii	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 should be created for oil contaminated and non-oil contaminated. Effluent should be properly treated and treated wastewater should conform to CPCB Standards.	The garland drain has been constructed to prevent any runoff oil separated for oil contaminated and non-oil contaminated. ETP is being used to treat drilling waste water and reused as technical water. Treated effluent samples are tested on regular basis and conformed to the CPCB Standards.
xi	Drilling waste water & 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 onshore disposal. The membership of common TSDF shall be obtained for the disposal of drill cuttings and hazardous waste. Otherwise secured landfill shall be created at the site as per design of the approved by CPCB and obtain authorization of the SPCB. Copy of authorization or membership of TSDF shall be submitted to Ministry's Regional Office at Shillong.	Disposal of solid waste, drill cuttings and drilling fluids in secured land fill is implemented. HDPE impervious lining is provided at both the pits (1 st for solid disposal and 2 nd for liquid disposal).
x	Good Sanitation facility shall be provided at the Drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	Being complied.
xi	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 to authorized recyclers.	Contingency plan for oil spillage is available. Oily Sludge - NA Spent oil is being given to authorized recyclers through MSTC.
xii	The company shall comply with the guidelines of Disposal of solid waste; drill cutting and drilling fluids for onshore drilling operation vide GSR.546 (E) dated 30 August 2005.	- Drill cuttings were washed properly prior to send in waste pit. No hazardous chemicals were used in water base mud. Impervious lining was used. - ETP was used to treat drilling waste water and was reused as technical water. - Treated effluent samples were tested on regular basis.
xiii	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 operation.	OMR, OISD and RCP guidelines are followed to prevent fire hazard.

S. No.	Specific Condition	Remarks
xiv	The company shall develop contingency plan for H ₂ S release, all necessary aspects from evacuation to resumption of normal operations. The workers should be provided with personal H ₂ S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	No H ₂ S gas is encountered in this area.
xvi	To prevent well blowout during operation Blow out Preventer (BOP) system shall be installed. Focus on maintaining well bore hydrostatic pressure by proper pre well planning, drilling fluid, logging etc.	BOP is being tested as per DGMS & API guidelines. Other precautions were followed.
xvii	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan (ERP) for is available and is based on the guidelines prepared by OISD, DGMS and Govt. of India.
xviii	The company shall take measure after completion of drilling process, well plugging and secured enclosures, decommissioning of rig upon abandonment of well, the D/S shall be restored to near original condition. In the event that no economic quantity of HC is found a full abandonment plan shall be implemented for site as per Indian Petroleum Regulations.	The site will be restored as per the guidelines.
xix	Occupational health surveillance of the workers shall be carried out as per prevailing the prevailing Acts and Rules.	Regular Pre Medical Examination (PME) for ONGC employees is being done.
xx	Restoration of the project site shall be carried out satisfactorily and report shall be send to the Ministry's Regional Office at Shillong.	The site will be restored as per the guidelines. Six monthly reports being submitted to MoEF, Shillong.
xxi	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.
xxii	Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc in and around the project.	Complied.

S. No.	Specific Condition	Remarks
xxiii	Company shall have their own Environment Management Cell having qualified persons with proper background.	An Environment Management cell exists in Tripura Asset. Some laboratory functions like AAQM and specialized analysis, studies etc. are being done through expert agency
xxiv	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 environment 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 made available at the project site office.	Complied.

B. GENERAL CONDITIONS

S. No.	General Conditions	Remarks
i	The project authorities must strictly adhere to stipulations made by State Pollution Control Board, the State Government and any other statutory.	The stipulations made by State Pollution Control Board & State Govt. are followed.
ii	No further expansion or modification of project shall be carried without prior approval of MOEF. In case of deviation or alteration in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to Ministry to access the adequacy of conditions imposed and to add additional environmental protection measures required if any.	It will be informed.
iii	The project authorities must strictly Comply with rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules 1989. Prior approval from Chief Inspectorate of Factories, Chief Controller of Explosive, Fire Safety Inspectorate etc must be obtained, wherever applicable.	The chemicals used for mud preparation not covered in hazardous chemicals (MHISC) rules. The (MHISC) rule is followed.

S. No.	General Conditions	Remarks
iv	The overall noise levels in and around the plant shall be kept within the standards by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to EPA rules, 1989 viz 75 dBA (daytime) and 70 dBA (night time).	The overall noise level is controlled with suitable measures to control in the permissible limit.
v	A separate Environmental Management Cell equipped with full fledge laboratory facilities to carry out environment management and monitoring functions.	An Environment Management cell exists in Tripura Asset. Some laboratory functions like AAQM and specialized analysis, studies etc. are being done through expert agency
vi	A copy of clearance letter shall be sent by the project 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 website of the company by the proponent.	It is being done.
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 sent to the regional office of the MoEF, the respective zonal office of CPCB and SPCB. The critical pollutant levels namely PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non- methane), VOCs (ambient as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near main gate of the company in the public domain.	Complied.
viii	The project proponent shall also submit six monthly compliance reports on the status of the compliance of the stipulated environmental conditions including the result of the monitoring data (both in hard and soft 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.	Six monthly reports being submitted.

S. No.	General Conditions	Remarks
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 be put on the website of the company along with the status of compliance of environmental conditions and shall be send to the respective Regional offices of MoEF by e-mail.	Will be complied.
x	The project proponent shall inform the public that the project has accorded environmental clearances and copies of clearances letters are available with the State Pollution Control Board and also be seen at Web site of the Ministry of Forests at http://www.envfor.nic.in . This shall be advertised within seven days of the issue of this letter in at least two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	It was published in newspaper.
xi.	The project authority shall inform the RO as well as the Ministry, the date of financial closure and final approval of project by the concerned authorities and date of commencing of land development work.	Date of financial closure (Date of release of location) – 11.10.2012