

**SIX MONTHLY ENVIRONMENTAL  
CLEARANCE (EC) COMPLIANCE  
STATEMENT  
FOR  
PERIOD OF DECEMBER 2019 TO  
MARCH 2020**

**Project Name**

**Drilling of 15 exploratory wells under non  
forest area in Nohta-Damoh-Jabera PML  
Block, Vindhyan Basin, Damoh District,  
Madhya Pradesh  
by  
M/s Oil and Natural Gas Corporation Limited  
(ONGC)**

**Submitted By**



**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR  
THE PERIOD OF DECEMBER 2019 to March 2020**

<b>Name of The Company</b>	<b>:</b>	<b>M/s Oil and Natural Gas Corporation Limited (ONGC)</b>
<b>Project Name</b>	<b>:</b>	<b>Drilling of 15 exploratory wells under non forest area in Nohta-Damoh-Jabera PML Block, Vindhyan Basin, Damoh District, Madhya Pradesh</b>
<b>Online Proposal No.</b>	<b>:</b>	<b>IA/MP/IND2/110504/2017</b>
<b>Environmental Clearance Letter</b>	<b>:</b>	<b>F.No. J-11011/513/2017-IA II (I), Dated 27<sup>th</sup> December 2019.</b>

**❑ Introduction:**

M/s Oil and Natural Gas Corporation Limited (hereinafter referred as ONGC) has been awarded Nohta-Damoh-Jabera PML Block in Son Valley, Vindhyan Basin, located in the state of Madhya Pradesh by Govt. of India for a period of 7 years with validity up to 09.02.2022, with a minimum work commitment of drilling at least seven exploratory wells within the block. A total of 15 exploratory locations are planned within the Nohta-Damoh-Jabera PML Block. The fifteen (15) exploratory locations proposed for Environmental Clearance are located within the state of Madhya Pradesh. All locations lie within the administrative boundaries of Damoh district.

**❑ Present Status of Project Activities:**

ONGC obtained Environmental Clearance (EC) letter from MoEF&CC, New Delhi on 27th December 2019. Rig mobilization and Drilling of exploratory wells yet to be initiated as on date.

## EC Compliance status

<b>A. Specific conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
i.	No drilling shall be carried out in Protected Areas/forest area.	To be complied as all the well locations selected is in non-forest area within the block
ii.	Approach road shall be made pucca to minimize generation of suspended dust.	To be complied before initiating drilling work at selected locations.
iii.	Total fresh water requirement shall not exceed 20 cum/day/well proposed to be met through tankers/ground water. Mobile ETP shall be installed coupled with RO to reuse the treated water in drilling system. Size of the waste shall not exceed from the hole volume of the well + volume of drill cutting expected to be generated and volume of discarded mud if any. Two feet free board may be left to accommodate rain water. There shall be separate storm water channel and rain water shall not be allowed to mix with waste water. Alternatively, if possible pit less drilling be practiced instead of above.	To be complied during drilling operations.  Water requirement for the operation (for a period of around 60-90 days per well) will be met by transporting water from nearby sources through tankers.
iv.	No lead acid batteries shall be utilized in the project/site.	To be complied initiating drilling work.

<b>B. General conditions:</b>		
<b>I. Statutory Compliance</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, if	Not applicable as no exploratory wells proposed within forest area.

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	drilling is carried in Forest areas.	
ii.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.	Consent to Establish (CTE) obtained from Madhya Pradesh Pollution Control Board (MPPCB) for well no. NOAE at plot no. 451/1, 453, 454, 455, 456, 457, Vill- Patti Bhajia, Tal-Jabera, Dist- Damoh vide letter no. 116983 valid upto 31/01/2024. CTE letter attached as <b>Annexure IV</b> .
iii.	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	To be complied before initiating drilling work at each selected locations.
iv.	The project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2011, as applicable.	Not applicable as no well locations falling within any CRZ area.

**II. Air Quality monitoring and preservation**

i.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 shall be complied with.	To be complied after commencement of drilling activities at selected locations. Ambient air quality monitoring report attached as <b>Annexure II</b> based on present scenario within the block area.
ii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	To be complied after commencement of drilling activities at selected locations. Ambient air quality monitoring report attached as <b>Annexure II</b> based on present scenario within the block area.  Ambient Air quality monitored at 6 locations out of which 2 upwind direction and 4 downwind directions within the block area. The results were within permissible limits as

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
		per CPCB standards.
iii.	Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 for PM10, PM2.5, SO2, NOX, CO, CH4, HC, Non-methane HC ect.	Ambient Air quality monitored at 6 locations out of which 2 upwind direction and 4 downwind directions within the block area. The parameters monitored were PM10, PM2.5, NOx, SO2, CO, TVOC, Methane & Non-Methane Hydrocarbon.  The results were within permissible limits as per CPCB standards.
iv.	During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored.	Exploratory drilling activity yet to start at any selected well locations.  To be complied during exploratory drilling activities at selected locations.
v.	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.	To be complied during exploratory drilling activities at selected locations.
vi.	Approach road shall be made pucca to minimize generation of suspended dust.	To be complied before initiating exploratory drilling work at selected locations.

**III. Water Quality monitoring and preservation**

i.	As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit.	To be complied during exploratory drilling activities at selected locations.
ii.	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the	To be complied during exploratory drilling activities at selected locations.

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	Air/Water Act, whichever is more stringent.	
iii.	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.	To be complied before drilling activities at selected locations.  No surface runoff will be allowed to discharge in any surface water bodies.
iv.	Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 <sup>th</sup> August, 2005.	To be complied during exploratory drilling activities at selected locations.  A HDPE/paved lined pit will be constructed on each drilling site to collect and dispose waste drilling mud.

**IV. Noise Quality monitoring and preservation**

i.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied
ii.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures	To be complied during exploratory drilling activities at selected locations.

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	
iii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Ambient Noise level monitoring has been conducted at 6 locations near proposed wells.  Ambient air quality monitoring report attached as <b>Annexure II</b> based on present scenario within the block area.  The results were within permissible limits as per CPCB standards.

**V. Energy Conservation measures**

i.	The energy sources for lighting purposes shall preferably be LED based.	To be complied during exploratory drilling activities at selected locations.
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**VI. Waste Management**

i.	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.	ONGC has oil spill contingency plan for exploratory drilling activities.  The recyclable waste (Oily waste) to be collected in metal drums kept in secured area and will be disposed through Metal Scrap Trading Corporation.
ii.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office.	To be complied during exploratory drilling activities at selected locations. Only water based mud is used.

**VII. Safety, Public hearing and Human health issues**

i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	ONGC has emergency preparedness plan for exploratory drilling activities and will be complied during drilling activities at selected locations.
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**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
ii.	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Will be complied during exploratory drilling activities at selected locations.
iii.	Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.	Complied. The Drilling Rig is ISO certified. (ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007)
iv.	On completion of drilling, the company has to plug the drilled wells safety and obtain certificate from environment safety angle from the concerned authority.	Will be complied after completion of every well.
v.	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	In case of no economic quantity of hydrocarbon is found, well will be abandoned and well closure plan will be implemented and site will be restored to the original condition as far as possible.



**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	Indian Petroleum Regulations.	
vi.	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.	To be complied during exploratory drilling activities at selected locations.
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	To be complied during exploratory drilling activities at selected locations.
viii.	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.	ONGC has contingency plan for H2S release and necessary arrangements in accordance with the plan will be made available at each drilling site.
ix.	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	To be complied during exploratory drilling activities at selected locations.

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	the project.	
x.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	To be complied during exploratory drilling activities at selected locations.
xi.	The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.	Ambient Air quality monitored at 6 locations out of which 2 upwind direction and 4 downwind directions within the block area. The parameters monitored were PM10, PM2.5, NOx, SO2, CO, TVOC, Methane & Non-Methane Hydrocarbon. The results were within permissible limits as per CPCB standards.  Ambient Noise level monitoring has been conducted at 6 locations near proposed wells. Ambient air quality monitoring report attached as <b>Annexure II</b> based on present scenario within the block area. The results were within permissible limits as per CPCB standards.

**VIII. Corporate Environment Responsibility**

i.	As proposed, Rs. 9 crores shall be allocated for Corporate Environment Responsibility (CER). The CER plan shall be implemented during the plant construction stage and before commissioning of the project.	To be complied during exploratory drilling activities at selected locations.
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation	ONGC is having environmental policy which is attached as <b>Annexure V</b> .

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	ONGC have separate wing of environment with qualified and experienced experts to look after EHS aspects of the project.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance	To be complied.

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	Report.	
v.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	To be complied after commencement of exploratory drilling activities at selected locations.

**IX. Miscellaneous**

i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied.  The copy of the advertisements attached as <b>Annexure III.</b>
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including	Complied

**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	results of monitored data on their website and update the same on half-yearly basis.	
iv.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied.
v.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	To be complied.
vi.	The project proponent 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, commencing the land development work and start of production operation by the project.	To be complied.
vii.	Restoration of the project site shall be carried out satisfactorily	To be complied after completion of exploratory

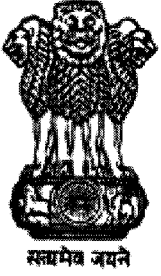
**B. General conditions:**

**I. Statutory Compliance**

Sl.No.	Compliance Conditions	Compliance Status
	and report shall be sent to the Ministry's Regional Office.	drilling activities at selected locations.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	To be followed
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	To be followed
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	To be complied.
xi.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Agreed

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## **ANNEXURE-I ENVIRONMENTAL CLEARANCE LETTER**



**F. No.J-11011/513/2017-IA-II (I)**  
Government of India  
Ministry of Environment, Forest & Climate Change  
Impact Assessment Division  
\*\*\*

Indira Paryavaran Bhavan,  
Vayu Wing, 3<sup>rd</sup> Floor, Aliganj,  
Jor Bagh Road, New Delhi-110 003

Dated: 27<sup>th</sup> December, 2019

To,

**M/s Oil and Natural Gas Corporation Ltd,**  
3<sup>rd</sup> Floor, Tower- A, Pandit Deen Dayal Upadhyay Urja Bhawan,  
5A & 5B, Nelson Mandela Marg,  
Vasant Kunj, **N Delhi** -70

**Sub: Drilling of 15 exploratory wells by M/s Oil and Natural Gas Corporation Ltd in Nohta-Damoh-Jabera PML Block, Vindhyan Basin, District Damoh (Madhya Pradesh) - Environmental Clearance - reg.**

Sir,

This has reference to your online proposal No.IA/MP/IND2/110504/2017 dated 6<sup>th</sup> September, 2019 along with the EIA/EMP report for the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for drilling of 15 exploratory wells by M/s Oil and Natural Gas Corporation Ltd in Nohta-Damoh-Jabera PML Block, Vindhyan Basin, District Damoh (Madhya Pradesh).

3. The estimated project cost is Rs. 600 crore. Total capital cost earmarked towards environmental pollution control measures is Rs.15 Crores. Total employment generation will be 30 persons.

4. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves and Wildlife Corridors etc within 10 km distance from the project site. There are total 12 Reserved Forests (RF) such as Khamkhera RF, Kuluva RF, Athai RF, Rajnagar RF, Mariya RF, Pateriya RF, Gidra RF, Bansipur RF, Aloni RF, Devatara RF, Kusmi RF, Gharaghar RF located within the allotted NDJ block area (1135 sq km).

5. Total water requirement is 20 cum/day which will be met from private tankers. Effluent of 5 cum/day quantity will be treated through **mobile** ETP system coupled with RO. The plant will be based on Zero Liquid discharge system (if applicable). Drilling is a temporary activity lasting for 40-60 days.

6. The project/activity is covered under category A of item 1(b) 'Offshore and onshore oil and gas exploration, development & production' of schedule to the Environment Impact Assessment (EIA) Notification, 2006, and requires appraisal at central level by sectoral Expert Appraisal Committee (EAC).

7. The standard ToR for the project was granted by the Ministry on 2nd December, 2017. Public hearing was conducted by the State Pollution Control Board on 7th June, 2019.

  
M/s Oil and Natural Gas Corporation Ltd



8. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on 23-25 October, 2019, wherein the project proponent and their accredited consultant presented the EIA/EMP Report. The Committee found the EIA/EMP report to be satisfactory, complying with the ToR, and recommended the project for grant of environmental clearance.

9. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **drilling of 15 exploratory wells by M/s Oil and Natural Gas Corporation Ltd** in Nohta-Damoh-Jabera PML Block, Vindhyan Basin, District Damoh (Madhya Pradesh), under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

#### **A. Specific conditions:-**

- i. No drilling shall be carried out in Protected Areas/forest area.
- ii. Approach road shall be made pucca to minimize generation of suspended dust.
- iii. Total fresh water requirement shall not exceed 20 cum/day/well proposed to be met through tankers/ground water. Mobile ETP shall be installed coupled with RO to reuse the treated water in drilling system. Size of the waste shall not exceed from the hole volume of the well + volume of drill cutting expected to be generated and volume of discarded mud if any. Two feet free board may be left to accommodate rain water. There shall be separate storm water channel and rain water shall not be allowed to mix with waste water. Alternatively, if possible pit less drilling be practiced instead of above.
- iv. No lead acid batteries shall be utilized in the project/site.

#### **B. General Conditions**

##### **I. Statutory compliance**

- (i) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, if drilling is carried in Forest areas.
- (ii) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- (iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- (iv) The project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2011, as applicable

##### **II. Air quality monitoring and preservation**

- (i) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with
- (ii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (iii) Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM10, PM2.5, SO2, NOX, CO, CH4, HC, Non-methane HC etc.

- (iv) During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored.
- (v) The project proponent also to ensure trapping/storing of the CO<sub>2</sub> generated, if any, during the process and handling.
- (vi) Approach road shall be made pucca to minimize generation of suspended dust.

### **III. Water quality monitoring and preservation**

- (i) As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit.
- (ii) The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- (iii) 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.
- (iv) Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August, 2005.

### **IV. Noise monitoring and prevention**

- (i) Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (ii) 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.
- (iii) The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

### **V. Energy Conservation measures**

- (i) The energy sources for lighting purposes shall preferably be LED based.

### **VI. Waste management**

- (i) 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.
- (ii) Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office.

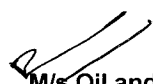
### **VII. Safety, Public hearing and Human health issues**

- (i) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

- (ii) Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.
- (iii) Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.
- (iv) On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority
- (v) 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
- (vi) 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.
- (vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- (viii) The company shall develop a contingency plan for H<sub>2</sub>S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H<sub>2</sub>S detectors in locations of high risk of exposure along with self containing breathing apparatus
- (ix) 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.
- (x) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xi) The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.

### **VIII. Corporate Environment Responsibility**

- (i) As proposed, Rs.9 crores shall be allocated for Corporate Environment Responsibility (CER). The CER plan shall be implemented during the plant construction stage and before commissioning of the project.
- (ii) The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.



- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- (v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

## **IX. Miscellaneous**

- (i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- (v) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- (vi) The project proponent 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, commencing the land development work and start of production operation by the project.
- (vii) Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office
- (viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (ix) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- (x) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- (xi) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

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

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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

14. This issues with the approval of the competent authority.

(डा. आर. बी. लाल)  
(Dr. R. B. Lal)  
वैज्ञानिक 'E'/Additional Director  
पर्यावरण संरक्षण विभाग, नई दिल्ली  
Ministry of Environment, Forest and Climate Change  
भारत सरकार, नई दिल्ली  
Govt. of India, New Delhi

Copy to: -

1. The Principal Secretary, Department of Housing and Environment, Government of Madhya Pradesh, Paryavaran Parisar, E- 5, Arera Colony, Bhopal- 462016 (Madhya Pradesh)
2. The Principal Secretary, Department of Housing and Environment, Government of Madhya Pradesh, Paryavaran Parisar, E- 5, Arera Colony, **Bhopal**- 462016 (Madhya Pradesh)
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, **Delhi** -32
4. The Member Secretary, Madhya Pradesh Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, **Bhopal** - 462 016 (MP)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, **New Delhi** – 3
6. Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Man Singh Road, **New Delhi**-110011
7. District Collector, **Damoh, (MP)**
8. Guard File
9. Record File
10. Monitoring File/ Website of MoEF&CC

(Dr. R. B. Lal)  
Scientist 'E'/Additional Director

## **ANNEXURE-II**

### **MONITORING REPORTS OF AMBIENT AIR QUALITY, AMBIENT NOISE**



Issued to :

M/s ONGC Ltd.  
3rd Floor, Tower-A, Pandit Deen Dayal Upadhyay  
Urja Bhawan, 5A & 5B, Nelson Mandela Marg,  
Vasant Kunj, New Delhi-70



**ABC Techno Labs®**

India Private Limited

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ABC TOWER  
#400, 13th Street,  
SIDCO Industrial Estate - North Phase,  
Ambattur, Chennai - 600 098.  
Ph : +91-44-2625 7788, 2625 7799  
Helpline : +91 94442 60000, 95661 87777



lab@abctechlab.com  
www.abctechlab.com

(An ISO : 9001, ISO : 14001, ISO : 22000 & ISO : 45001 Certified Company)

ACCREDITED BY NABL, ISO/IEC 17025 : 2005, QUALITY COUNCIL OF INDIA  
RECOGNISED BY MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE (MoEFCC), GOVERNMENT OF INDIA  
&  
NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

## TEST REPORT

Report number	:	ABCTLN/2020/02/2116-2121
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Air Quality Monitoring (24 Hourly)
Location of sampling	:	AAQ -1: Northeast Corner of the Plant
Date of sampling	:	22-02-2020 to 24-02-2020
Date of Receipt	:	27-02-2020
Date of analysis	:	28-02-2020
Date of completion	:	28-02-2020
Report date	:	01-03-2020

Page 1 of 2

Sl. No.	Date of Sampling	Location / Source	Parameters			
			PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )
1	22-02-2020	Sadiya	58.0	32.5	21.1	10.2
2	22-02-2020	Ghatera	44.0	29.2	18.7	11.3
3	23-02-2020	Abhana	45.5	32.1	16.2	10.1
4	23-02-2020	Tejgarh	55.6	32.6	19.2	12.1
5	24-02-2020	Doni	52.2	33.4	18.6	11.5
6	24-02-2020	Jalhari	43.0	26.4	12.2	8.8
Test Method			IS 5182 : Part 23 : 2006 (RA:2017)	40 CFR Appendix L ( Part 50):2006	IS 5182 : Part 2 : 2001 (RA: 2017)	IS 5182 :Part 6: 2006(RA: 2017)

Sl. No.	Date of Sampling	Location/ Source	Parameters			
			CO (mg/m <sup>3</sup> )	TVOC (µg/m <sup>3</sup> )	CH <sub>4</sub> (µg/m <sup>3</sup> )	Non CH <sub>4</sub> (µg/m <sup>3</sup> )
1	22-02-2020	Sadiya	0.3	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
2	22-02-2020	Ghatera	0.2	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
3	23-02-2020	Abhana	0.2	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
4	23-02-2020	Tejgarh	0.1	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
5	24-02-2020	Doni	0.1	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
6	24-02-2020	Jalhari	0.2	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
Test Method			IS 5182 : Part 10 : 1999 (RA 2014)	ABCTL/SOP/A13	ABCTL/INS/SO P/038	ABCTL/INS/SO P/038

Remarks- All parameters are within permissible limits



*A. Robson Chinnadurai*  
A. Robson Chinnadurai  
Technical Manager

### Terms and conditions :

- The test results relate only to the items tested.
- The test report shall not be reproduced in full or part without the written approval of ABC.
- The laboratory's responsibility under this report is limited to proven wilful negligence and will in no case be more than the invoiced amount.
- The test report is issued for the purpose of identifying the characteristic and not intended to use for any publicity / litigation purpose.



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M/s ONGC Ltd.  
3rd Floor, Tower-A, Pandit Deen Dayal Upadhyay  
Urja Bhawan, 5A & 5B, Nelson Mandela Marg,  
Vasant Kunj, New Delhi-70



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&  
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## TEST REPORT

Page 2 of 2

### National Ambient Air Quality Standards

Sl.No	Pollutant	Method	Time Weighted Average	Concentration in Ambient Air
				Industrial, Residential, Rural & Other area
1	Sulphur dioxide (SO <sub>2</sub> ) (µg/m <sup>3</sup> )	IS 5182 P-2	24 hours	80
2	Nitrogen dioxide (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	IS 5182 P-6	24 hours	80
3	Particulate Matter (PM <sub>10</sub> ) (µg/m <sup>3</sup> )	IS 5182 P-23	24 hours	100
4	Particulate Matter (PM <sub>2.5</sub> ) (µg/m <sup>3</sup> )	EPA-40 Appendix L to Part 50	24 hours	60
5	Carbon monoxide (CO) (mg/m <sup>3</sup> )	IS 5182 P-10	8 hours	2
6	VOCs (µg/m <sup>3</sup> )	ABCTL/INS/SOP/035	24 hours	--
7	Methane HC (µg/m <sup>3</sup> )	ABCTL/INS/SOP/038	24 hours	--
8	Non-Methane HC (µg/m <sup>3</sup> )	ABCTL/INS/SOP/038	24 hours	--

.....End of Report....



*A. Robson Chinnadurai*  
01/08/2020  
A. Robson Chinnadurai  
Technical Manager

#### Terms and conditions :

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- The test report shall not be reproduced in full or part without the written approval of ABC.
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3rd Floor, Tower-A, Pandit Deen Dayal Upadhyay  
Urja Bhawan, 5A & 5B, Nelson Mandela Marg,  
Vasant Kunj, New Delhi-70



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&  
NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

## TEST REPORT

Report Number	:	ABCTLN/2020/02/2122-2127
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of Sampling	:	22-02-2020 to 24-02-2020
Date of Receipt	:	27-02-2020
Analysis Completed on	:	28-02-2020
Report Date	:	01-03-2020

Sl.No	Location/Source	Noise Level in $L_{eq}$ [dB(A)]	
		Day (6.00 am to 10.00 pm)	Night (10.00 pm to 6.00 am)
1	Near DL-1	47.3	36.4
2	Near DL-2	45.2	38.2
3	Near DL-3	48.5	37.6
4	Near DL-4	42.1	32.4
5	Near NOAE	46.8	36.2
6	Near DL-5	47.1	36.6

Method: IS: 9989-1981 (Reaff: 2014)

### Ambient Noise Quality Standards

Area Code	Category of area	Limits in $L_{eq}$ [dB(A)]	
		Day (6.00 am to 10.00 pm)	Night (10.00 pm to 6.00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

.....End of Report.....



*A. Robson Chinnadurai*  
8/1/2020  
A. Robson Chinnadurai  
Technical Manager

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## **ANNEXURE-III**

### **NEWS PAPER ADVERTISEMENT OF ENVIRONMENTAL CLEARANCE**

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भारत न्यूज़, इंदौर। भू-माफिया रिश्वत उर्फ चंपू अग्रमोरा और चिराग शाह की गिंग रोड पर द एंड्रेस टाउनशिप में निर्माणधीन क्लब हाउस को नष्ट निगम और प्रशासनिक अमले ने तोड़ दिया। इस दौरान रहस्यमयी ने अधिकारियों से कहा कि क्लब हाउस के लिए हमने रुपए जमा किए थे। इसे तोड़ेंगे तो नुकसान हमारा ही होगा। इस पर अफसरों ने कहा कि क्लब हाउस बनाने के लिए आवश्यक मंजूरी नहीं है, इसलिए कारवाई की जा रही है। कार्रवाई गुरुवार सुबह 8 बजे बोम्बे होस्पिटल चौक के पास की गई। आयुक्त रजनीश कसेरा, एसडीएम सोहन कनाश और उपायुक्त मोहनसिंह के नेतृत्व में तीन जेएसबी, फेकलेन और दर्जनों मजदूरों के दल ने तीन घंटे में इस ढाहा दिया। बताया गया कि इस क्लब हाउस को बनाए जाने के लिए ली जाने वाली प्रशासनिक अनुमतियाँ में कुछ अनियमितताएँ मिली थीं।

ऑयल एंड गैस कॉर्पोरेशन लिमिटेड

ONGC

वीन हिल्स, तेल मकन, देहरादून

सूचना

परियोजना - मेसर्स ऑयल एंड गैस कॉर्पोरेशन लिमिटेड द्वारा मोहटा-दमोह-जबेरा, पीपल्स एलसी, क्लब हाउस, जिला दमोह (मध्य प्रदेश) में 15 अग्नेयवायुक्त कूलर्स को केबल डेड, पर्यावरण मंत्रालय ने विज्ञापित सं J-10111/513/2017-IA-II। दिनांक 27.12.2019 द्वारा पर्यावरणीय स्वीकृति प्रदान की है। उस पत्र की प्रतियाँ एनपीपीसीबी (क्लब प्रदेश प्रदूषण नियंत्रण बोर्ड) के पास उपलब्ध हैं और पर्यावरण मंत्रालय की वेबसाइट <http://moef.nic.in> पर भी देखी जा सकती है।

Fri, 03 January 2020

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**ANNEXURE-IV**  
**CONSENT TO ESTABLISH FROM MADHYA  
PRADESH POLLUTION CONTROL BOARD**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE	CTE-Fresh	VALID UP TO: 31/01/2024	CONSENT NO: ***	PCB ID: 116983
-----------	-----------	-------------------------	-----------------	----------------

To,

M/s. Oil And Natural Gas Corporation Ltd.,  
[Location: Well- NOAE at Plot No. 451/1, 453, 454, 455, 456, 457, Vill: Patti Bhajia, Teh: Jabera,  
Distt. Damoh (MP)]  
Frontier Basin, ITD campus, Himalaya Building, Kalagarh Road  
DEHRADOON (UK)

Subject: Grant of Consent to Establish-Fresh under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your Consent to Establish-Fresh Application Receipt No. 756494 Dt. 23/01/2019 and last communication received on Dt. 28/02/2019

Without prejudice to the powers of this Board under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants Consent to Establish for setting up of an industrial plant/activities at **Plot No. 451/1, 453, 454, 455, 456, 457, Village- Patti Bhajia, Tehsil- Jabera, Damoh,(M.P) - 470881**

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Well: NOAE at Plot No. 451/1, 453, 454, 455, 456, 457, Village: Patti Bhajia, Tehsil: Jabera, Distt: Damoh, (M.P) - 470881
- The capital investment: Rs. 48 Crores
- Product & Production Capacity:

Product	CTE Qty/Year
Exploratory Drilling of Oil Well	1 Nos. Well, 2100 m deep (Approx.)
Electricity generation by DG sets for captive consumption	1250 KVA x 4 Nos.

The consent (for operation) as required shall be granted to your industry after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed proforma at least two months before the expected date of commissioning of your industry. The applicant shall not operate the unit without obtaining consent for operation from the Board and shall not bring in to use any out let for the discharge of effluent and gaseous emission.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* General conditions



e-Signed On 10/04/2019 13:27:05  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # R706PV85AX

*Achyut Mishra*

ACHYUT ANAND MISHRA  
Member Secretary

Consent No:CTE-49800,Validity:31/01/2024, Outward No:98380,10/04/2019





## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent at out fall of the unit shall not exceed **15.0 KL/day**, and the daily quantity of sewage at out fall of the unit shall not exceed **2.0 KL/day**

#### 2. Trade Effluent Treatment:-

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD 3 Days 270C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

*For other parameters general standards of discharge as notified under EP Act 1986 and standards notified by MPPCB from time to time shall be applicable.*

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform	Not exceed	1000 (MPN/ 100mg/l)

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. **Hence zero discharge condition** shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

#### 9. Compilation of Monitoring-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### 10. Recording of Monitoring-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this

**Consent No:CTE-49800,Validity:31/01/2024, Outward No:98380,10/04/2019**



Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

### **11. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

### **12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

### **13. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

### **14. Disposal of Collected Solid-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shell fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

### **15. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

### **16. Prohibition of By pass system-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

**18. Only Air hammering technique or electrical rig with water based mud will be used for exploratory drilling activities and the drilling mud will be reused as far as possible.**

**19. The drilling mud shall be collected in pucaa and concreacted lined pit(s) of appropriate capacity for solar evaporation. The solids remaining shall be disposed off through TSDF, for which the company shall obtain membership of the TSDF facility. The company shall also comply with the guidelines for disposal of solid wastes, drill wastes & drill cuttings for onshore drilling operations notified vide GSR 546 (E) dated 30/8/2005.**

**20. The top soil removed shall be stacked separately for reuse during site restoration. The company shall also construct garland drains all around the drilling site to prevent the runoff of any oil containing waste outside.**

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Tele : 0755-2466191, Fax-0755-2463742

21. The oily sludge and recyclable oily waste shall be properly collected and stored and shall be disposed off through registered recyclers.

22. Provision shall be made for the housing of construction labour, officers and other staff at site with all necessary infrastructure and facilities like fuel for cooking, sake drinking water, toilets and sewage and sullage disposal systems etc.

### **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height (meters)	Fuel	Control equipment to be installed	P.M, SOX, NOX(mg/NM3)
D.G. Sets (For Captive use only)	4 x 1250 KVA	4	HSD	Accoustic enclosure, Muffler,	150,100,50

2. The applicant shall observe the following fuel pattern:

Name of Fuel	Quantity
H.S.D	80 Ltrs/Hr

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. **GSR/826(E), dated: 16/11/09**. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  (PM10  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  (PM2.5  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation of the local tree species within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

10. The Management shall make suitable arrangements for the control of noise from drilling activities and DG set operations. Height of all the stacks / vents shall be provided as per the CPCB norms.

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Tele : 0755-2466191, Fax-0755-2463742

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

#### **Non Hazardous Solid wastes:-**

Type of waste	Disposal
Scrap/ Plastic packing material wood, card board, gunny begs etc	Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

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## **Consent Order**

**M.P. Pollution Control Board**  
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**14. Management shall have to submit environment clearance at the time of consent to operate.**

**For and on behalf of**  
**M.P. Pollution Control Board**

**( Member Secretary )**



**e-Signed On 10/04/2019 13:27:05**  
**(Organic Authentication on AADHAR from UIDAI Server)**  
**TPAV # R7O6PV85AX**

**ACHYUT ANAND MISHRA**  
**Member Secretary**

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## **ANNEXURE-V ENVIRONMENTAL POLICY**



ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लि.  
Oil and Natural Gas Corporation Ltd.

## Corporate Environment Policy

Oil and Natural Gas Corporation Limited (ONGC) is committed to:

1. Achieve Environmental Leadership in all its Business Activities.
2. Abide by all applicable Legislative & other requirements associated with Environment Protection and Ecological Preservation.
3. Strive for Environment Protection and maintain Ecological Balance in and around its Operational areas for Sustainable Development.
4. Ensure Conservation of Natural Resources.
5. Enhance Community Awareness towards the Environmental Risks associated with Exploration & Production activities, mitigation measures undertaken and preparedness to tackle emergencies; to minimize its impact on Environment.
6. Minimize Waste Generation through Reduction at Source, Recycling & Reuse.
7. Maximize Recovery of Oil from Oily Waste and to exercise options for Utilizing Oily Waste for Energy purposes, wherever possible.
8. Prevent, Respond, Contain & Combat Oil Spill at Offshore & Onshore areas and ensure maximum reclamation of Oil.
9. Develop and Implement action plan on Social Needs around its Operational areas to meet obligations of Enterprise Social Responsibility.
10. Reduce Emissions at Source by adopting Clean and Green Technologies and phase out usage of Hazardous Substances in its Operations.
11. Meet provisions of Climate Change Treaty in line with Intended Nationally Determined Contribution targets of the Government of India including other applicable International Treaties.
12. Achieve Excellence in Knowledge Management and Skill Development for Environment Protection.



(Shashi Shanker)

Dated: 28<sup>th</sup> May, 2018



**ANNEXURE-VI  
NABL CERTIFICATE OF ABC TECHNO LABS  
INDIA PVT. LTD.**



National Accreditation Board for  
Testing and Calibration Laboratories

## CERTIFICATE OF ACCREDITATION

**ABC TECHNO LABS INDIA PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

ABC TOWER, NO:400,13TH STREET, SIDCO INDUSTRIAL ESTATE-NORTH PHASE, AMBATTUR,  
CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

in the field of

**TESTING**

Certificate Number: TC-5770

Issue Date: 03/04/2020

Valid Until:

02/04/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer