

COMPLIANCE OF CONDITIONS IN ENVIRONMENTAL CLEARANCE

(COMPLIANCE REPORT)

Environmental Clearance No. J-11011/102/2012-IA II(I) dated 22.08.2013

Well Nos.: SAAY

Drilling Status: Drilled

Sl.No.	Conditions	Compliance status as on 01.07.2016
1	This EC is only for Exploratory Drilling. In case Development drilling is to be done in future, prior clearance must be obtained from the Ministry.	Complied. This EC and conditions prescribed therein are only for drilling exploratory wells whereas for drilling development wells separate EC will be taken.
2	As proposed, no drilling shall be carried out within 10 km distance from Thol Wild life sanctuary.	Complied. As proposed the exploratory well SAAY was not drilled in the environmental sensitive zone (SEZ) of THOL wild life sanctuary as has been notified vide SO 3202 (E), dt: 18.10.2013. The extent of eco-sensitive zone has been modified by MoEFCC vide notification dt: 09.02.2015 and it now ranges from 0.308 km to 2.244 km from the boundary of the sanctuary.
3	Gas produced during testing shall be flared with appropriate flaring booms. The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirement and emissions from stacks will meet the MoEF/ CPCB guidelines	Complied. If any quantity of gas is produced during testing there is a provision of flaring in place which is in accordance to OISD guidelines and as prescribed by CPCB vide its letter dt: 27.04.2016. All the quantity of gas come across testing is flared through elevated flare equipped with separator and knock out drum. No ground flaring is resorted to.
4	Ambient air quality should be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No.826(E) dated 16th November,2009 for PM ₁₀ , PM _{2.5} , SO ₂ ,NO _x , CO, methane & Non-methane HC etc.	Complied. Ambient air quality was monitored through 3rd party for PM ₁₀ , PM _{2.5} , SO ₂ ,NO _x , CO, methane & Non-methane HC, within and upto the premises of drill site. Henceforth, monitoring of AAQM shall also be carried out near the closest human settlement. It is evident from the monitoring reports placed as Annexure - I, that the concentration of all parameters are within prescribed limits.
5	Mercury should also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Mercury was analysed in waste water & drill cuttings during drilling period. For Testing of mercury in air the program is underway. Report placed as Annexure - II
6	Approach road should be made pucca to minimise generation of suspended dust.	Complied. Approach road to drill site are made of metalls to minimise generation of suspended dust during transportation of rig equipment, etc..In case of this well approach road of dimension 1300 m x 4.0 m was constructed.
7	The company should make the arrangement for control of noise from the drilling activity Acoustic enclosure should be provided to DG Sets and proper stake height should be provided as per CPCB guidelines.	Complied. Acoustic enclosure have been provided to DG sets to reduce noise within permissible limits (Noise level monitoring divulge the efficiency of the acoustic enclosures when the noise levels were monitored within the perimeters of the drill site. However, the noise levels are slightly higher near the engine house and mud pump area and personnel working in these areas are always using ear muff/plug, pl refer reports placed as Annexure-III). The height of Stack of 3 nos. of DG sets ranges from 7-8-ft . Though as per formula referred by CPCB guidelines the stack height of gen sets should be approx. 5 metre. However, the GLC of various parameters prescribed in NAAQM are within the permissible limit which qualifies the spirit under which stack height standards has been set by CPCB. Please refer to AAQM report placed at Annexure - IV. It is notable that the increase in the present height of stacks of DG sets, shall reduce the efficiency of DG sets, as assessed internally. In light of this present stack height of the DG sets should be considered as appropriate. In view of this the condition may be considered as Complied .
8	Total water requirement should not exceed 50 M3/day and prior permission should be obtained from the competent authority.	Complied. During the drilling activity the water consumption was approx. 35 m3 per day on an average.

9	<p>The Company should construct the garland drain all around the drilling site to prevent run off any oil containing waste to the nearby water bodies. Separate drainage system should be created for oil contaminated and non-oil contaminated. Effluent should be properly treated and treated waste water should be confirmed to CPCB standards.</p>	<p>The garland drains are not constructed to prevent run off any oil contaminating waste as all the vulnerable processes like diesel storage tank, POL shed have their dedicated containment whereas Drains are constructed through out the drill site near mud pumps, cellar pit, mud tanks which drain waste water in HDPE lined waste pit. No garland drains are constructed around drill sites as these are not required since the waste pits have enough volume to accumulate waste water and prevent any run off. The drilled cuttings and other wastes are collected in HDPE lined waste pits and solar dried. It is notable that Gujarat is rain deficient area and chance of run off from drill site area is very remote. As the drill site effluent is a soft effluent, the suspended particles like bentonitic clay are settled leaving clear supernatant water which at times is recycled for washing purpose. Please refer to Annexure-II. In view of above the same may be considered as Complied.</p>
10	<p>Drilling waste water including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with the notified standards for on-shore disposal. The membership of common TSDF shall be obtained for the disposal of drill cuttings and hazardous waste. Otherwise secured land fill shall be created at the site as per design approved by the GPCB and obtain Authorization from the SPCB. Copy of authorization or membership of TSDF should be submitted to Ministry's Regional Office at Bhopal.</p>	<p>Complied. Drilling waste water including drill cuttings wash water is collected in disposal pit lined with HDPE lining and solar dried. Drill cuttings from water based mud have been removed from the category of hazardous waste [Schedule I - rule 3 (1) (17) (i) of MOEFCC notification dt: 14.04.2016]. ONGC Ahmedabad is member of TSDF at Bharuch Enviro Infrastructure Limited.</p>
11	<p>Good sanitation facility should be provided at the drilling sites. Domestic sewage should be disposed of through septic tank/soak pit.</p>	<p>Complied. Domestic sewage is disposed through adequate septic tanks and soak pits</p>
12	<p>Oil spillage prevention scheme should be prepared. In case of oil spillage/contamination, action plan should be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil should be disposed of to the authorized recycler.</p>	<p>Complied. Oil spillage prevention plan like containments of diesel storage tank, POL shed and testing tank (during production testing) and drainage leading to waste pit are in place. However, in case of oil spill and contamination of soil thereof, ONGC is equipped with the technology of bio remediation to address such eventualities. It is notable that ONGC has a step down company M/S ONGC TERI BIO REMEDIATION LIMITED (OTBL) which has developed a consortium of bacteria capable of digesting entire range of hydrocarbon. Recyclable hazardous waste like Spent oil, POL barrels etc. are recycled centrally through authorised re-cyclers.</p>
13	<p>The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August, 2005.</p>	<p>Complied. Solid waste like drill cuttings and left over drilling fluids are collected in HDPE lined waste pits which is eventually back filled and covered with local soil after the drilling operations are over. Other solid wastes like oil contaminated hand gloves, cotton waste, filters, chemical sack, etc. are deposited at TSDF site.</p>
14	<p>The company should take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare should be explored. At the place of ground flaring, the overhead flaring stack with knockout drums should be installed to minimize gaseous emissions during operation.</p>	<p>Complied. Each drilling rig in ONGC has fixed fire fighting system and portable extinguishers in accordance to OISD 189. All personnel posted at Drill site are trained in fire fighting. Hot jobs are controlled through a permit system i.e. "Hot Work Permit" system. As mentioned above in point 12, in case of oil spill and contamination of soil thereof, ONGC is equipped with the technology of bio remediation to address such eventualities. It is notable that ONGC has a step down company M/S ONGC TERI BIO REMEDIATION LIMITED (OTBL) which has developed a consortium of bacteria capable of digesting entire range of hydrocarbon. All the quantity of gas come across testing is flared through elevated flare equipped with separator and knock out drum. No ground flaring is resorted to.</p>

15	The company shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operations. The workers should be provided with personal H2S detectors in locations of high risk of exposure along with self containing breathing apparatus.	Complied. Emergency response plans for H2S release is available. H2S detector are available at drilling rigs. However, it is pertinent to mention that H2S is usually not encountered during drilling operations in oil fields of Anand district.
16	On completion of drilling, the company have to plug the drill wells safely and obtain certificate from the environment safety angle from the concerned authority.	Complied. On completion of drilling the well is equipped with a christmas tree which safely regulates the flow of oil & gas. However, if any well is abandoned, it is plugged with a cement column as prescribed in OMR 1984 and the same is communicated to DGMS.
17	Blow Out Preventor(BOP) system should be installed to prevent well blowouts during drilling operations. BOP measures during should focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied. Appropriate Blow Out Preventor(BOP) systems having a set of Annular and RAM BOPs is installed to prevent well blowouts during drilling operations. Function test of BOPs are carried out frequently and care is taken to maintain proper hydrostatic pressure in the well bore during drilling, logging and other well operations by maintaining mud weight.
18	Emergency response plan(ERP) should be based on the guidelines prepared by OISD, DGMS and Government of India	Complied. ONGC has Site Specific Emergency Plan (ERP) and Contingency Plans and Disaster management Plan (DMP) based on relevant and realistic emergency scenarios. ERP and contingency plan are duly approved by DGMS whereas offsite DMP is approved by local district authorities. (copy enclosed)
19	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored to original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Complied. ONGC has formulated a well defined and plausible abandonment and restoration procedure which is being followed in the event of decision taken to abandon the well. The procedure is Annexed as V.
20	Abandoned well inventory and remediation plan shall be submitted with in six month from the date of issue of letter.	Complied. Remediation plan is already addressed at point no 12 above. This well has been abandoned and restoration of land by inviting tender and as per SOP for restoration, is in progress.
21	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied. PME of all employees is carried out as per company policy (Annexure-VI).
22	In case commercial viability of the project is established, the company shall prepare a detailed plan for development of oil and gas fields and obtain fresh environmental clearance from the Ministry.	Complied. In case of commercial viability of oil/gas, fresh EC is obtained for the entire block.
23	Restoration of the project site should be carried out satisfactorily and report should be sent to Ministry's Regional Office at Bhopal.	Complied. After the restoration job in this well is over, the report shall be sent to Ministry's regional office Bhopal.
24	Oil content in the drill cuttings should be monitored by some Authorised agency and report should be sent to the Ministry's Regional Office at Bhopal.	Complied. Cuttings are analysed for oil content through a reputed laboratory in the area. The analysis shows that the parameters are within permissible limits(Copy of Monitoring Report enclosed - Annexure-II).
25	Under Enterprise Social Commitment (ESC), sufficient budgetary provision should be made for health improvement, education, water and electricity supply etc. in and around the project.	Complied. 2% of average net profit of ONGC is earmarked for CSR(Corporate Social Responsibility) projects which includes components of health, education, water, solar lights, ecological development in an around operational area, as directed by GOI
26	An audit should be done to ensure that the Environment Management Plan is implemented in totality and report should be submitted to Ministry's Regional Office	Complied. An annual environment audit is carried out through schedule auditors and the reports are submitted to Gujarat Pollution control Board, apart from it annual internal audit and surveillance audit of Environment Management system is carried out in accordance to the protocol of ISO 14001. It is notable that all drilling rigs are maintaining 3rd party certified EMS based on ISO 14001.
27	A social audit shall be carried out for the whole operatio area with the help of reputed institute like Madras Institute of Social Science etc.	Complied. CSR shemes for social areas around the work centers of ONGC are usually rendered through reputed 3rd parties which keep on auditing on the progress of the CSR project.

28	All personnel including those of contractors should be trained and made fully aware of the hazards,risks and controls in place.	Complied. MVT(Mines Vocational Training) are imparted to all contractual workers before deployment at site. MVT trainings are specially designed to develop competence and skill of employees including contractual employees w .r.t risk management
29	Company shall have own Environment Management Cell having qualified persons with proper background.	Complied. EM Cell is atCorporate HSE of ONGC, New Delhi. HSE set up at unit level are also having qualified safety & environment officers.
30	Company should prepare operating manual in respect of all activities.It should cover all safety & environment related issues and system.Measures to be taken for protection.One set of environment manual should be made available at the drilling site/project site.Awareness should be created at each level of the management.All the schedules and results of environment monitoring should be available at the project site office.	Complied. Standard Operating Procedures for drilling operations covering safety and environmental aspects of operations and management thereof, have been given to supervisors and concerned persons at all drilling rigs. Safe Work Practices is also made available at all rigs. Regular safety and environment training is being provided to the employees by our various in- house training institutes like IPSHEM Goa,IDT and ONGC Academy, Dehradun and RTI Vadodara etc. Ambient/stack, noise level and potable water report is available at rigs.

B	GENERAL CONDITIONS	
i	The project authorities must strictly adhere to the stipulations made by the Gujarat State Pollution Control Board (GPCB) State Government and any other statutory authority.	Complied. Consent to Establish (CTE) for exploratory drilling is taken from Gujarat Pollution Control Board prior to commencement of drilling. Conditions stipulated in CTE are complied to. Apart from it all the oil and gas processing installations wherein the oil and gas produced during exploratory and development drilling is processed are operating under consolidated consent and authorisation (CCA) from GPCB. Monthly and annual returns are filed online on XGN site as per the conditions stipulated in CCA
ii	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, afresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. So far no expansion or modification in the project has been carried out. In future if any expansion and modification happens the stipulated condition shall be complied.
iii	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and import of Hazardous chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	Complied. During drilling water base mud is used and no hazardous /toxic chemicals are used. All the mud systems got tested through National Institute of Oceanography (NIO), Goa and found non-hazardous and non-toxic. Hence this point is not applicable. However as precautionary measure MSDS of chemicals are displayed at site. Permission for storage ,transportation and use of explosives for perforation of well are taken from controller of explosive.
iv	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied. The overall noise levels in and around the rig area is kept well within the standards by keeping provision of aquoustic enclosures and regular condition monitoring of equipment. The ambient noise levels are monitored during day and night time (Recent monitoring reports are annexed) which reveals that the ambient noise level is with in prescribed standards.
v	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Complied. Environment Management cell is functional under Head HSE which is responsible for environment management, monitoring and compliance to regularity bodies.
vi	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. The communication of the environmental clearance has been made to all the relevant stake holders by way of publishing the same in the leading news papers. The EC is also posted on the Web Site of ONGC as well as communicated to concerned panchayat and local authorities
vii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the GPCB. The criteria pollutant levels namely; PM10, SO2, NOx, HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Complied. The compliance of the stipulated environment clearance conditions, including results of monitored data are uploaded on our website (link - http://www.ongcindia.com/wps/wcm/connect/ongcindia/Home/Initiatives/HSE/Environmental_Clearance/) and updated periodically. It is sent to the Regional Office of the MOEF. The criteria pollutant levels namely; PM10, SO2, NOx, HC (Methane & Non-methane), indicated for the projects are monitored and displayed at the main gate of the rig.

viii	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and GPCB. The Regional Office of the this Ministry/CPCB/GPCB shall monitor the stipulated conditions. Environment Clearance and six monthly compliance status reports shall be posted on the website of the company.	Complied. The compliance of the stipulated environment clearance conditions, including results of monitored data are uploaded on our website (link - http://www.ongcindia.com/wps/wcm/connect/ongcindia/Home/Initiatives/HSE/Environmental_Clearance/) and updated periodically. It is sent to the Regional Office of the MOEF. The criteria pollutant levels namely; PM10, SO2, NOx, HC (Methane & Non-methane), indicated for the projects are monitored and displayed at the main gate of the rig.
ix	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environment conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Complied. After completion of exploratory drilling and if any oil and gas produced through it is subjected to the nearby production installation for processing and thus becomes part of that installation. All the Installations are operating under CCA from GPCB and accordingly environmental statement as per prescribed form-V is filed annually. If no oil is found the well is abandoned and land restored as per company policy.
x	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the GPCB and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Complied. Information regarding grant EC for the project was passed on to all stake holders and the same was advertised in two newspapers.
xi	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied. The details prescribed in condition regarding commencement of exploratory drilling are furnished in six monthly compliance to Regional Office MOEFCC, Bhopal.

Chait Kumar Sen
18-07-16

For Block Manager-II
on tour/leave



Ref. - ECS/139/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAY, AADHNA
 ONGC LTD.,
 AHMEDABAD

Installation :Drilling Rig -S 3050 II or R2

Date of Sample Collection : 18/01/2016

Source : D. G. Set - I

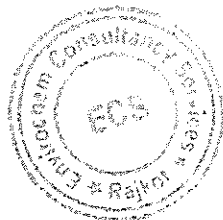
SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	9.0
2.	STACK DIAMETER	Inch	8.0
3.	STACK TEMPERATURE	C	159.0
4.	AV.VELOCITY OF FUEL GASES	Mtr/Sec.	15.2

RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	97.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	22.6	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	11.3	50
4.	CONCENTRATION OF HC	Mg/Nm ³	1.5	15
5.	CONCENTRATION OF CO	Mg/Nm ³	16.2	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA

ND=Not Detected

B
 ANALYST



A
 ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/140/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAY, AADHANA
ONGC LTD.,
AHMEDABAD

Installation : Drilling Rig -S 3050 II or R2

Date of Sample Collection : 18/01/2016

Source : D. G. Set - II

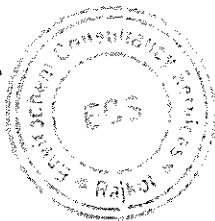
SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	8.0
2.	STACK DIAMETER	Inch	7.0
3.	STACK TEMPERATURE	C	164.0
4.	AV.VELOCITY OF FUEL GASES	Mtr/Sec.	15.5

RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	92.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	20.6	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	11.0	50
4.	CONCENTRATION OF HC	Mg/Nm ³	1.6	15
5.	CONCENTRATION OF CO	Mg/Nm ³	16.4	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA

ND=Not Detected

ANALYST



ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/141/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAY. AADIANA
ONGC LTD.,
AHMEDABAD

Installation : Drilling Rig-S 3050 II or R2

Date of Sample Collection : 18/01/2016

Source : D. G. Set - III

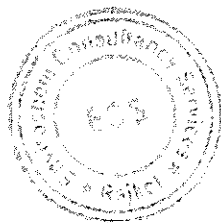
SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	8.0
2.	STACK DIAMETER	Inch	7.0
3.	STACK TEMPERATURE	C	153.0
4.	AV. VELOCITY OF FUEL GASES	Mtr/Sec.	15.0

RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	87.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	18.3	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	10.5	50
4.	CONCENTRATION OF HC	Mg/Nm ³	1.4	15
5.	CONCENTRATION OF CO	Mg/Nm ³	15.8	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA

ND=Not Detected

B
ANALYST



A
ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/142/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAY, AADHANA
 ONGC LTD.,
 AHMEDABAD

Installation :Drilling Rig- S 3050 II or R2

Date of Sample Collection : 18/01/2016

Source : Elgi. Compressor -I

SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	6.0
2.	STACK DIAMETER	Inch	7.0
3.	STACK TEMPERATURE	C	161.0
4.	AV.VELOCITY OF FUEL GASES	Mtr/Sec.	14.3

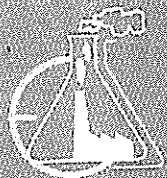
RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	88.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	17.2	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	9.5	50
4.	CONCENTRATION OF HC	Mg/Nm ³	1.4	15
5.	CONCENTRATION OF CO	Mg/Nm ³	14.1	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA ND=Not Detected

B
 ANALYST



A
 ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/143/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAY, AADHANA
ONGC LTD.,
AHMEDABAD

Installation :Drilling Rig-S 3050 II or R2

Date of Sample Collection : 18/01/2016

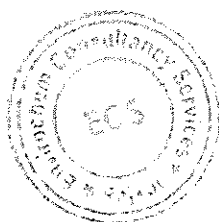
Source : Elgi. Compressor -II

SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	6.0
2.	STACK DIAMETER	Inch	7.0
3.	STACK TEMPERATURE	C	166.0
4.	AV.VELOCITY OF FUEL GASES	Mtr/Sec.	15.1

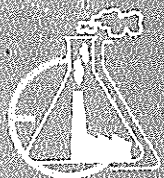
RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	91.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	19.3	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	10.2	50
4.	CONCENTRATION OF HIC	Mg/Nm ³	1.4	15
5.	CONCENTRATION OF CO	Mg/Nm ³	14.7	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA ND-Not Detected

B
ANALYST



A
ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/144/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAV, AADHANA
ONGC LTD.,
AHMEDABAD

Installation : Drilling Rig -S 3050 II or R2

Date of Sample Collection : 18/01/2016

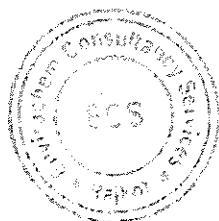
Source : Mud Pump Engine

SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	11.0
2.	STACK DIAMETER	Inch	7.0
3.	STACK TEMPERATURE	C	154.0
4.	AV.VELOCITY OF FLUE GASES	Mtr/Sec.	14.2

RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	82.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	17.4	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	10.3	50
4.	CONCENTRATION OF HC	Mg/Nm ³	1.5	15
5.	CONCENTRATION OF CO	Mg/Nm ³	12.8	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA ND-Not Detected

B
ANALYST



A
ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/145/E/15-16

Date:-21/01/2016

ANALYSIS REPORT OF FLUE GAS EMISSION MEASUREMENT

Name and Address of Industry : SAAY. AADHANA
ONGC LTD.,
AHMEDABAD

Installation : Drilling Rig -S 3050 II or R2

Date of Sample Collection : 18/01/2016

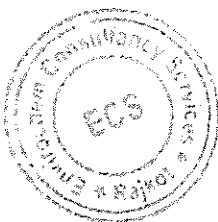
Source : Rig Engine

SR. NO.	PARTICULARS	UNIT	OBSERVATION
1.	STACK HEIGHT	Feet	8.0
2.	STACK DIAMETER	Inch	6.0
3.	STACK TEMPERATURE	C	169.0
4.	AV.VELOCITY OF FUEL GASES	Mtr/Sec.	14.7

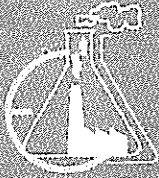
RESULTS

SR. NO.	PARTICULARS	UNIT	RESULTS	Max. Permissible as per GPCB Norms
1.	AV. CONCENTRATION OF PARTICULATE MATTER	Mg/Nm ³	78.0	150
2.	CONCENTRATION OF SO ₂	Mg/Nm ³	16.5	100
3.	CONCENTRATION OF NO _x	Mg/Nm ³	10.1	50
4.	CONCENTRATION OF HIC	Mg/Nm ³	1.3	15
5.	CONCENTRATION OF CO	Mg/Nm ³	13.4	150
6.	CONCENTRATION OF VOC	Mg/Nm ³	ND	Not Specified in CCA ND-Not Detected

B
ANALYST



A
ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/037/E/15-16

Date:-21/01/2016

REPORT OF AMBIENT AIR MONITORING

Name and Address of Industry : SAAY. AADHANA
ONGC LTD.
AHMEDABAD

Installation : Drilling Rig -S 3050 II or R2

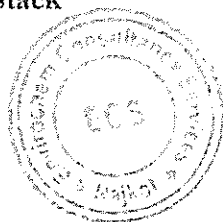
Date of Sample Collection : 18/01/2016

SR. NO.	PARTICULARS	UNIT	RESULTS				Permissible Limits $\mu\text{g}/\text{m}^3$
			A	B	C	D	
1.	WIND DIRECTION	--	SW to NE	SW to NE	SW to NE	SW to NE	--
2.	AV. WIND SPEED	Kms./Hrs	13.0	11.5	14.8	16.7	--
3.	AV. FLOW RATE DURING SAMPLING	$\text{m}^3/\text{min.}$	1.1	1.1	1.1	1.1	--
4.	CONCENTRATION OF PM_{10}	$\mu\text{g}/\text{m}^3$	54	51	59	66	100
5.	CONCENTRATION OF $\text{PM}_{2.5}$	$\mu\text{g}/\text{m}^3$	42	40	44	47	60
6.	CONCENTRATION OF SO_2	$\mu\text{g}/\text{m}^3$	11.3	10.5	10.2	11.6	80
7.	CONCENTRATION OF NO_x	$\mu\text{g}/\text{m}^3$	4.7	3.6	3.3	5.2	80
8.	CONCENTRATION OF HC	$\mu\text{g}/\text{m}^3$	ND	ND	ND	ND	160
9.	CONCENTRATION OF CO	$\mu\text{g}/\text{m}^3$	720	671	664	729	5000
10.	CONCENTRATION OF VOC	$\mu\text{g}/\text{m}^3$	7.1	5.4	5.2	7.3	Not Specified in CCA

Location of Sampling:

- A. Nr. D. G. Set - I
- B. Nr. Office Room
- C. Nr. Staff Room
- D. Nr. Flare Stack

ANALYST



ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/038/E/15-16

Date:-18/01/2016

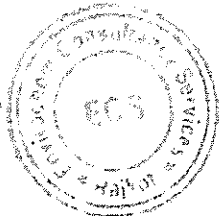
NOISE LEVEL MONITORING REPORT

Name and Address of Industry : SAAY. AADILANA
ONGC LTD.,
AHMEDABAD

Installation : Drilling Rig -S 3050 II or R2

SR. NO.	LOCATION	TIME	RESULTS In dB	GPCB LIMITS In dB
1.	Near D.G. Set (Running)	14:10	94.6	-----
2.	Near Compressor (Running)	14:30	91.3	-----
3.	Near Mud Pump (Running)	14:50	87.1	-----

ANALYST



ENVIROCHEM CONSULTANCY SERVICES



Ref.- ECS/038/AE/15-16

Date:-18/01/2016

NOISE LEVEL MONITORING REPORT

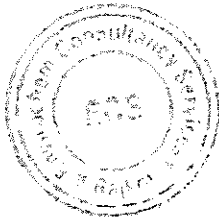
Name and Address of Industry : SAAY. AADHANA
ONGC LTD.,
AHMEDABAD

Installation : Drilling Rig -S 3050 II or R2

SR. NO.	LOCATION	TIME	RESULTS In dB	GPCB LIMITS In dB
1.	Near D.G. Set	22:10	62.9	70
2.	Near Compressor	22:40	63.4	70
3.	Near Mud Pump	22:55	64.0	70
4.	Near Office Block	23:10	59.1	70
5.	Near Boundary	23:35	59.4	70

Remarks :-

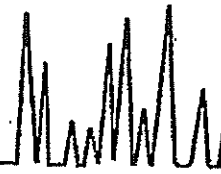
B
ANALYST



A
ENVIROCHEM CONSULTANCY SERVICES

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY



F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com

TEST REPORT

Report No. GL/C.1160127074
Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,
Gujarat.
Sample Described as Drill Cutting
Mode of Packing Sample Packed in Cloth Bag
Sample Condition Satisfactory
Marking Drilled Depth: 1350 M, Well:SN # 169 (SAAY)

Date of Receipt 27/01/2016
Reference No. Date:25/01/2016
Batch No. NM
Mfg.Date NM
Exp.Date NM
Sample Qty.: 200 gm.

Analysis Date 27/01/2016 Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.59	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.14	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hermal Darji

Autho. Signatory

End of Report

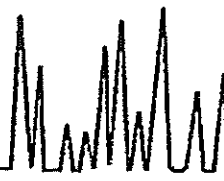
Note:

1. The Result refer only to the tested sample & applicable parameters, Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. Sample drawn & submitted by the party for analysis unless otherwise stated.
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction.
7. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request. Attention is drawn to the limitation of liabilities; indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY

F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com



TEST REPORT

Report No. GLJC/160127075

Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,

Date of Receipt 27/01/2016

Reference No. Date:25/01/2016

Sample Described as Gujarat.
Drill Cutting

Batch No. NM

Mfg.Date NM

Exp.Date NM

Mode of Packing Sample Packed in Cloth Bag

Sample Qty.: 200 gm.

Sample Condition Satisfactory

Marking Drilled Depth: 1400 M, Well:SN # 169 (SAAY)

Analysis Date 27/01/2016

Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.20	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.23	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hemal Darji

Autho. Signatory

End of Report

Note:

1. The Result refer only to the tested sample & applicable parameters, Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. Sample drawn & submitted by the party for analysis unless otherwise stated.
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction.
7. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request. Attention is drawn to the limitation of liabilities, indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY



F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com

TEST REPORT

Report No. GL/C./160127076

Sample Submitted By Oil & Natural Gas Corporation Ltd.,

Asset HSE, Room No:607, 6th Floor,

Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,

Date of Receipt 27/01/2016

Reference No. Date:25/01/2016

Sample Described as Gujarat.
Drill Cutting

Batch No. NM

Mfg.Date NM

Exp.Date NM

Mode of Packing Sample Packed in Cloth Bag

Sample Qty.: 200 gm.

Sample Condition Satisfactory

Marking Drilled Depth: 1450 M, Well:SN # 169 (SAAY)

Analysis Date 27/01/2016

Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.06	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.24	GL/SOP/A-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hermal Darji

Autho. Signatory

End of Report

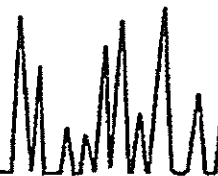
Note:

1. The Result refer only to the tested sample & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. Sample drawn & submitted by the party for analysis unless otherwise stated.
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction.
7. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request. Attention is drawn to the limitation of liabilities; indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY

F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com



TEST REPORT

Report No. GL/C./160127077
Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,
Gujarat.
Sample Described as Drill Cutting
Mode of Packing Sample Packed in Cloth Bag
Sample Condition Satisfactory
Marking Drilled Depth: 1500 M, Well:SN # 169

Date of Receipt 27/01/2016
Reference No. Date:25/01/2016

Batch No. NM
Mfg.Date NM
Exp.Date NM
Sample Qty.: 200 gm.

Analysis Date 27/01/2016 Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.09	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.25	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hemal Darji

Autho. Signatory

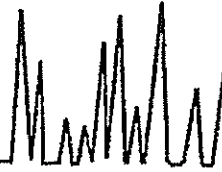
End of Report

Note:

1. The Result refer only to the tested sample & applicable parameters, Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. Sample drawn & submitted by the party for analysis unless otherwise stated.
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction
7. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request.
9. Attention is drawn to the limitation of liabilities; indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY



F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com

TEST REPORT

Report No. GL/C/160127081

Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,

Date of Receipt 27/01/2016

Reference No. Date:25/01/2016

Sample Described as Gujarat.
Drill Cutting

Batch No. NM

Mfg.Date NM

Exp.Date NM

Sample Qty.: 200 gm.

Mode of Packing Sample Packed in Cloth Bag

Sample Condition Satisfactory

Marking Drilled Depth: 2000 M, Well:SN # 169 (SAAY)

Analysis Date 27/01/2016


Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.02	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.14	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hemal Darji

Autho. Signatory

End of Report

Note:

1. The Result refer only to the tested sample & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing
4. Sample drawn & submitted by the party for analysis unless otherwise stated
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction.
7. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request Attention is drawn to the limitation of liabilities; Indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY



F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com

TEST REPORT

Report No. GL/C./160127078

Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,

Date of Receipt 27/01/2016

Reference No. Date:25/01/2016

Sample Described as Gujarat.
Drill Cutting

Batch No. NM

Mfg.Date NM

Exp.Date NM

Mode of Packing Sample Packed in Cloth Bag

Sample Qty.: 200 gm.

Sample Condition Satisfactory

Marking Drilled Depth: 2050 M, Well:SN # 169 (SAAY)

Analysis Date 27/01/2016

Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.08	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.11	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hemal Darji

Autho. Signatory

End of Report

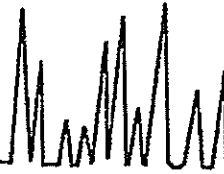
Note:

1. The Result refer only to the tested sample & applicable parameters, Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. Sample drawn & submitted by the party for analysis unless otherwise stated.
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction.
7. Peshable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request. Attention is drawn to the limitation of liabilities; indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY

F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com



TEST REPORT

Report No. GL/C./160127079

Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahemdabad-380005,

Date of Receipt 27/01/2016

Reference No. Date:25/01/2016

Sample Described as Gujarat.
Drill Cutting

Batch No. NM

Mfg.Date NM

Exp.Date NM

Sample Qty.: 200 gm.

Mode of Packing Sample Packed in Cloth Bag

Sample Condition Satisfactory

Marking Drilled Depth: 2100 M, Well:SN # 169 (SAAY)

Analysis Date 27/01/2016

Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.10	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.07	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY

Hemal Darji

Autho. Signatory

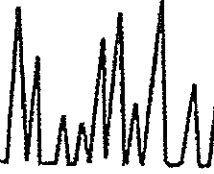
End of Report

Note.

- 1 The Result refer only to the tested sample & applicable parameters. Endorsement of products is neither inferred nor implied.
- 2 Total liability of our institution is limited to the invoice amount/testing charges.
- 3 This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- 4 Sample drawn & submitted by the party for analysis unless otherwise stated.
- 5 Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
- 6 Subject to Ahmedabad Jurisdiction
- 7 Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
- 8 The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request.
- 9 Attention is drawn to the limitation of liabilities; indemnification and jurisdictional issues etc defined therein.
- 9 Customer requested for the above test only.

Gujarat Laboratory

AN ISO 9001 : 2008 CERTIFIED LABORATORY



F-17, MADHAVPURA MARKET,
SHAHIBAUG, AHMEDABAD - 380 004.
Phone : (079) 25626040, 25624821
Website : www.gujaratlaboratory.com
E-mail : gujlab@gmail.com


Report No. GL/C./160127080 **TEST REPORT**
Sample Submitted By Oil & Natural Gas Corporation Ltd.,
Asset HSE, Room No:607, 6th Floor,
Avani Bhavan, ONGC, Chandkheda, Ahmedabad-380005,
Date of Receipt 27/01/2016
Reference No. Date:25/01/2016
Sample Described as Gujarat.
Drill Cutting Batch No. NM
Mfg.Date NM
Exp.Date NM
Sample Qty.: 200 gm.
Mode of Packing Sample Packed in Cloth Bag
Sample Condition Satisfactory
Marking Drilled Depth: 2150 M, Well:SN # 169 (SAAY)
Analysis Date 27/01/2016 Report Date 03/02/2016

Sl.	Test Name	Results	Method of Test
1	Oil %	0.06	AOAC 19th Edition
2	Mercury (as Hg) mg/kg	0.06	GL/SOP/I-120

N.M.=Not Mentioned

Date of Issue : 03/02/2016

For GUJARAT LABORATORY


Hema Darji
Autho. Signatory

End of Report

Note:

1. The Result refer only to the tested sample & applicable parameters, Endorsement of products is neither inferred nor implied.
2. Total liability of our institution is limited to the invoice amount/testing charges.
3. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
4. Sample drawn & submitted by the party for analysis unless otherwise stated.
5. Gujarat Laboratory maintains strict confidentiality of all the analysis and test results and customer supplied product and will not reveal this information to third party unless required by the statutory or legal requirement.
6. Subject to Ahmedabad Jurisdiction.
7. Perishable samples will be destroyed after testing, others after three weeks from the date of issue of the report, unless otherwise agreed with the customer.
8. The sample is accepted by us subject to our general conditions of services which is displayed at reception notice Board & is also available on request. Attention is drawn to the limitation of liabilities; Indemnification and jurisdictional issues etc defined therein.
9. Customer requested for the above test only.