PAN INDIA CONSULTANTS PVT. LTD.

CORPORATE OFFICE: 105, PHASE IV, UDYOG VIHAR, GURGAON - 122015, HARYANA, INDIA
PHONE: +91 124 2343882, 2343883, 4300959 FAX: +91 124 2346646, 2342880
E mail: nmspl@panindiagroup.com, panind@panindiagroup.com Website: www.panindiagroup.com

Date: 17 August /2019

To,

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (Western Zone),
E-5, Kendriya Paryavaran Bhavan, E-5 Arera Colony, Link Road-3,
Ravishankar Nagar, Bhopal-462 016.
EMAIL:apccfbhopal@gmail.com

Sub: To Visit & Verify our Six Monthly Environmental Clearance Compliance Report for M/s. PAN INDIA CONSULTANTS PVT. LTD. (Period: January 2019 to Jun 2019)

Ref: Our Online Proposal No. IA/GJ/IND2/29629/2014 Dated 29th July, 2015. And Environmental Clearance (EC) F. No. J-11011/276/2014 – IA II (I) dated 28th March, 2016

Respected Sir,

With reference to above Environmental Clearance order, we are submitting herewith point wise compliance report of said Environmental Clearance along with supporting evidence as annexure for the period of **January 2019 to Jun 2019.**

We have applied for getting EC at MOEFCC New Delhi and also got TOR for the which is attached.

We therefore request you to visit our site & verify each EC condition at your end to enable us to submit the same at MOEFCC, New Delhi to further process our application at earliest.

Thanking You,

Yours faithfully,
For **PAN INDIA CONSULTANTS PVT. LTD.**

PAN INDIA CONSULTANTS 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

NARESH AGARWAL
GENERAL MANAGER
Encl.: As above.

REGD. OFFICE: OFFICE NO. 1, D-4, COMMERCIAL AREA, VASANT KUNJ, NEW DELHI-110070
PHONE: +91 11 26137657, 26137659, FAX: +91 11 26138633, E mail: nmspl@panindiagroup.com
SITE. OFFICE : PLOT NO. 479, PACE CITY II, SECTOR-37, GURGAON 122 001, HARYANA, INDIA,
PH +91 124 4229575, +91 124 4229686 CIN: U74899DL1985PTC021177

Six monthly compliance of conditions stipulated by MOEFCC New Delhi for **M/s.PAN INDIA CONSULTANTS PVT. LTD.** With reference to EC order No. – **J-11011/276/2014- IA II (I),** Dated 29th July, 2015 for BLOCK NO. CB-ONN-2010/5. Environmental Clearance **COMPLIANCE FOR THE PERIOD: JANUARY 2019 to JUN 2019** regards.

Sr. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
I.	The present EC is for Exploratory Drilling only. In case Development drilling to be done in future, prior environmental clearance must be obtained from the Ministry.	So far, we have drilled only exploratory wells. In future if we drill Development well, prior EC will be taken
II.	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 PM10, PM2.5, S02, NOX, CO, methane & Non-methane HC etc.	Ambient air monitoring was carried out during well operation through NABL accredited laboratory / GPCB recognized Environmental Auditor. Results are attached as per **Annexure -I** Hence, condition is complied.
III.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Mercury contents in air, water and drill cutting analysed. Mercury contents found to be BDL. **Annexure-II**
IV.	Approach road shall be made pucca to minimize generation of suspended dust.	We have made approached road up to drill site with adequate grouting of metals. We have frequently sprinkled water on it to reduced dust emission. Hence, condition is complied.
V.	The company shall make the arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height should be provided as per CPCB guidelines.	The overall noise levels in and around the site area is 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 is conforming to the standards prescribed under Environment (Protection) Act, 1986 rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). Adequate stack height was provided (6.0 m) as per CBCB guidelines. Noise level Monitoring is Carried out inside plant area and periphery of plant from NABL accredited laboratory / GPCB recognized Environmental Auditor & Report is Submitted. Please refer **Annexure– III**

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

Sr. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
		Hence, condition is complied.
VI.	Total water requirement shall not exceed 25m3/day and prior permission shall be obtained from the concerned agency.	We have arranged the tanker water supply to meet our drilling / Testing water Requirement. We have not utilized any underground water for the same. Therefore, CGWA permission is not required. Hence, condition is complied.
VII.	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 and land. Separate drainage system shall be created for oil contaminated and non-oil contaminated water. Effluent shall be properly treated, and treated wastewater shall conform to CPCB standards.	During drilling, garland drain was dug along the periphery of drill site to prevent run-off of any oil containing waste to nearby water bodies, also separate drainage for oil contaminated and non-contaminated water. Effluents are properly treated to CPCB standard.
VIII.	Drilling wastewater including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with the notified standards for onshore 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 asper the design approved by the CPCB and obtain authorization from the SPCB. Copy of authorization or membership of TSDF shall be submitted to Ministry's Regional Office at Bhopal.	Constructed Disposal pit as per as guidelines mentioned in condition. Wastewater including drill cutting are being collected in Disposal pit, sun evaporation dried and later disposed-off to common TSDF. (Membership of TSDF **Annexure- IV)** Hence, condition is complied.
IX.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/ soak pit.	We have provided Mobile Sanitation Facility during drilling operation at site and all domestic sewage is allowed in said soak pit. Hence, condition is complied.
X.	Oil spillage prevention scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Oil spillage prevention scheme was implemented during drilling. All the waste disposed as per GDCD guideline. Membership of TSDF **Annexure-IV**
XI.	The company shall comply with the guidelines for disposal of solid waste,	All the solid waste have been disposal to TSDF Site.

Sr. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
	drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August, 2005.	Hence, condition is complied.
XII.	The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	We have taken enough steps to control fire hazard which includes provision of flame proof electrical arrangement at entire drilling area. We have also provided fire extinguisher, sand buckets, fire foam and fire hydrants at key locations. We have utilized vertical flare stack having knockout drums of 30 m height during drilling activity to avoid its heat impact on ground level. Hence, condition is complied.
XIII.	The company shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H2S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	Occurrence of H_2S emission during drilling activity in our entire block area is not known. However we have installed H2S detector to monitor presence of H2S and necessary safety instructions given to personnel. This condition is not applicable to us.
XIV.	On completion of drilling, the company have to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	As the extended well testing is under progress. Hence, wells were not plugged. Hence, condition is not applicable to us.
XV.	Blow Out Preventer (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures-during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Adequate measures were taken during Drilling Period like hydrostatic pressure in well was maintained to prevent blow out of well. Also as per standard Oil and Gas Practice BOP's were installed during drilling Operation. Hence, condition is complied.
XVI.	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISO, DGMS and Govt. of India.	**Emergency Response Plan** was prepared as per guidelines of DGMS attached per **Annexure- V**. Hence, condition is complied.
XVII.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored to the original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment	As per Specific Condition (XIV.) One well was plugged on account no economic quantity of crude oil found. After well testing, if we find that oil is uneconomic, wells will be abandoned and than site will be restored. Hence, condition is agreed to be complied.

Sr. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
	plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	
XVIII.	Abandoned well inventory and remediation plan shall be submitted within six months from the date of issue of letter.	Wells are under testing. Abandonment well Inventory and Remediation Plan will be submitted in due course of time, after testing is over Hence, condition is agreed to be complied.
XIX.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	For occupational health surveillance, para-medics are stationed at operation site round the clock equipped with emergency medicine & first aid. An ambulance is also kept ready. Fitness of workers are monitored Workers are provided with Protective gears for using during operation. Regular employees are covered by Mediclaim Policy for cash-less medical service in case of normal or emergency health issues. Hence, condition is complied.
XX.	In case the commercial viability of the project is established, the Company shall prepare a detailed plan for development of oil and gas fields and obtain fresh environmental clearance from the Ministry.	As Extended well testing is under progress, hence commercial viability under check. Shall prepare a detailed plan for development of oil & gas fields and obtain a fresh EC Hence, condition is complied.
XXI.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office at Bhopal.	We hereby assured you to comply for the same. Hence, condition is agreed to be complied.
XXII.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office at Bhopal.	Drill cutting waste is analyzed for oil contents in in drill-cutting by NABL accredited laboratory / NABET approved expert. Report are attached as per **Annexure- VI** Hence, condition is complied.
XXIII.	Under Enterprise Social Commitment (ESC), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in and around the project.	Socio economic activity is carryout near our area. The details of funds utilize is summaries as under. **Types of activity** | **Fund amount Rs.** | **Location of activity** Social welfare | 51,000/- | Sunsar Village, Patan Donation given to "Gram Pradhan" for welfare of villagers. Hence, condition is complied. **Annexure-VII**
XIV.	An audit shall be done to ensure that the Environment Management Plan is implemented in totality and report shall	At present, there is no processing unit have been developed by us. Once we have our processing unit audit will done to ensure that the Environment Management Plan is

Sr. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
	be submitted to the Ministry's Regional Office.	implemented and followed by report. Audit report shall be submitted to RO, MOEFCC- Bhopal. Hence, condition is agreed to be complied.
XXV.	All personnel including those of contractors should be trained and made fully .aware of the hazards, risks and controls in place.	Training is given to all employees before starting of job. All personnel including those of contactors were trained and made fully aware of the hazards, risks and controls in place Hence, condition is complied.
XXVI.	Company shall have own Environment Management Cell having qualified persons with proper background.	Company has formed its own Environment Management Cell. Details are given in **Annexure-VIII**
XXVII.	Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of **environmental manual** shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Operation manuals are available for operation service like drilling, work-over, well testing with the service providers. Manual are made available at project site during operation dealing with Health, Safety and Environmental aspects. Hence, condition is complied.

	GENERAL CONDITION	COMPLIANCE STATUS
I.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.	A copy of valid GPCB CTO is attached in **Annexure-X** and its yearly compliances (forwarding letters) are attached. Hence, condition is agreed to be complied
II.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental	We hereby assured that No further expansion or modification in the plant will be carried out without prior approval of the ministry of environment and forests. In case of deviation or alteration in the project proposal from those submitted to this ministry for clearance, a fresh reference will be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. Hence, condition is complied

	GENERAL CONDITION	COMPLIANCE STATUS
	protection measures required, if any.	
III.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	We hereby undertake that we will strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling) rules, 1989, as amended from time to time. Authorization from the SPCB is obtained for collection, treatment, storage, and disposal of hazardous wastes. All transportation of Hazardous Chemicals is as per the MVA, 1989. Hence, condition is complied.
IV.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise levels in and around the plant area is 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 is conforming to the standards prescribed under Environment (Protection) Act, 1986 rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). Acoustic type DG set is used to meet noise norms. Noise level Monitoring is Carried out inside plant area and periphery of plant from NABL accredited laboratory expert Report is Submitted to the GPCB. Please refer **Annexure –III** Hence, condition is complied.
V.	A separate Environmental Management Cell equipped with full fledged laboratory facilitiesmust be set up to carry out the environmental management and monitoring functions.	A separate environment management cell has been outsourced (M/s Chetan Virchandbhai Shah Multi Services Pvt Ltd.) and are equipped with required laboratory facilities is set up to carry out environment management and in-house environment monitoring functions. Hence, condition is complied.
VI.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParishad/ 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.	The communication of EC has been made to all stake holder by publishing "Public Notice" in Newspaper. A copy of Newspaper cutting has been attached. **Annexure-IX** Hence, condition is complied.

	GENERAL CONDITION	COMPLIANCE STATUS
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 MOEFCC, the respective Zonal Office of CPCB and the GPCB. The criteria pollutant levels namely; PM_{10}, SO_2, NO_x, HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We are regularly submitting EC compliance report to RO, MOEFCC Bhopal along with analysis report. Hence, condition is complied.
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 MOEFCC, the respective Zonal Office of CPCB and the GPCB. The Regional Office of this Ministry/ CPCB/ GPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	We are regularly submitting EC compliance report to RO, MOEFCC Bhopal along with analyses report. Hence, condition is complied.
IX.	The environmental statement for each financial year ending 31st March in **Form-V** as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEFCC by e-mail.	We are submitting environmental statement to GPCB regularly. A copy of submission letter is attached as per **Annexure-X.** Hence, condition is complied

PANINDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

	GENERAL CONDITION	COMPLIANCE STATUS
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:/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.	We have informed on 12/04/2016 to the public that the project has been accorded environment clearance on dated 04/10/2007 by the ministry and copies of the clearance letter are available with the SPCB/ committee and are also seen at website of the ministry at http://envfor.nic.in. In English language: Indian Express, Surat Date - 12/04/2016 In Gujarati language: Danik Bhaskar Date- 12/04/2007 Copy of newspaper is attached as per **Annexure - XI** Hence, condition is complied.
XI.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	We hereby agree to inform the regional office as well as the ministry the date of finical closure and final approval of the project by the concerned authorities and the date of start of the project. We hereby agreed to comply it

Annexure-I
Ambient Air

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road,** **Behind Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016122601 Issue Date: 26/12/2016 Sample Ref No: BECPL/LAB/S/2016121923 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Chaveli in Chanasma Tehsil, Patan District, Well Name: Well 01

Description of Sample	: Ambient Air Monitoring	Location of Monitoring	: Near Main Gate
Sampling Date	: 17/12/2016	Date of Performance of Test	: 17/12/2016
Sample Receipt Date	: 19/12/2016	Date of Completion of Test	: 20/12/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	40.1	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	82.6	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	22.4	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	30.0	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	652	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	8.4	Instrumental method	$\mu g/m^3$
NMHC	3.3	Instrumental method	$\mu g/m^3$
VOC	52.4	Instrumental method	$\mu g/m^3$
Ozone	17.9	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	3.1	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL: Below Detectable Limit.

(Government Analyst)
Date: 26/12/2016

Corporate Office:
20,29,30, Panchshwar Estate II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445. Gujarat, India.
Tel.: +91-79-40083051/52, 25834567, 29295043, 29295233. Fax: +91-79-40083053

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016122602 Issue Date: 26/12/2016 Sample Ref No: BECPL/LAB/S/2016121924 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Chaveli in Chanasma Tehsil, Patan District, Well Name: Well 01

Description of Sample	: Ambient Air Monitoring	Location of Monitoring : Area	Near HSE Office
Sampling Date	: 17/12/2016	Date of Performance of Test	: 17/12/2016
Sample Receipt Date	: 19/12/2016	Date of Completion of Test	: 20/12/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	41.6	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	75.3	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	23.9	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	31.7	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	722	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	8.6	Instrumental method	$\mu g/m^3$
NMHC	3.8	Instrumental method	$\mu g/m^3$
VOC	55.2	Instrumental method	$\mu g/m^3$
Ozone	13.5	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	3.8	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL: Below Detectable Limit.

(Government Analyst)
Date: 26/12/2016

Corporate Office:
78,79,80, Parmeshwar Estate-II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat, India.
Tel.:+91-79-40081051/52, 25834567, 29795043, 29795133, Fax:+91-79-40068052

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana.**	Report No: BECPL/LAB/R/2016122603 Issue Date: 26/12/2016 Sample Ref No: BECPL/LAB/S/2016121925 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Chaveli in Chanasma Tehsil, Patan District, Well Name: Well 01

Description of Sample	: Stack	Stack Attached to	: D.G.Set
Sampling Date	: 17/12/2016	Stack Height from G.L	: 30 meter
Sampling Duration	: 30 min	Fuel Used	Approx : Diesel
Sample Receipt Date	: 19/12/2016	Date of Performance of Test	: 17/12/2016
Sampling By	: BECPL	Date of Completion of Test	: 20/12/2016
Test Parameter	: As per Table	Sampling & Analysis By	: Nilesh

Sr. No	Test Parameters	Results	Test Method	Unit
1.	Particulate Matter	47.1	IS Method No. 11255, (Part-1)	mg/Nm^3
2.	Sulphur Dioxide	15.1	IS Method No. 11255, (Part-2)	ppm
3.	Nitrogen Dioxide	8.1	IS Method No. 5182, (Part-6)	ppm
4.	Hydro Carbon	5.0	Methods of Air Sampling and Analysis, Second Edition, APHA	mg/m^3
5.	VOC	11.9	IS Method No. 5182, (Part-11)	mg/m^3

(Government Analyst)
Date: 26/12/2016

Corporate Office:-
18,19,20, Parmeshwar Estate-II, Phase-I, Opp. AMUD Bank, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat, India.
Tel: +91-79-40083051/52, 25834567, 29705043, 26285133. Fax: +91-79-40083053

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Ambient Air
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC659018000000834P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

Sample Id: Sunsar

Reference No.: JORC/2018/ENV/0612

Sample Name: Ambient air Monitoring

Sample Drawn By: Us

Sample Quantity:

Analysis Start Date: 15/12/2018

Received Date: 15/12/2018

Analysis End Date: 18/12/2018

Sample Description: –

Sampling Method: By HVS

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	PM 10	µg/Nm3	IS 5182 (Part-23):2006	100	84.94	–
2	NOx	µg/Nm3	IS:5182(Part-6):2006(1st Revision Colorimetric (NEDA) method	80	17.25	–
3	Benzene	µg/m3	IS:5182(Part 5)-1975 (RA2014)	05	BDL	–
4	PM 2.5	µg/Nm3	LAB SOP NO.24 Dated: 01.05.2015	60	23.95	–
5	SO2	µg/Nm3	IS:5182(Part-2):2012(1st Revision Colorimetric (TCM) method	–	16.94	–
6	Lead	µg/m3	IS:5182(Part 5)-1975 (RA2014)	1.0	BDL	–
7	Benzo(a)Pyrene	ng/m3	IS:5182(Part 5)-1975 (RA2014)	01	BDL	–

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Customer: M/S Pan India Consultants Pvt. Ltd

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

ULR: TC659018000000834IP

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	Nickel	ng/m3	IS:5182(Part 5)-1975 (RA2014)	20	BDL	--
9	Ozone	µg/m3	IS:5182(Part 5)-1975 (RA2014)	180	21.34	--
10	Arsenic	ng/m3	IS:5182(Part 5)-1975 (RA2014)	06	BDL	--
11	Ammonia	µg/m3	IS 5182	850	37.42	--
12	Carbon Monoxide	mg/m3	IS:5182(Part 5)-1975 (RA2014)	04	0.07	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: TCRathod

Analyst Name: R.D. Rathod

Authorized Signatory :

Name & Function :

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD. GIDC Ankleshwar

End of Analysis Report

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

D.G Set exhaust
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC659018000000835P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

Sample Id: Sunsar

Reference No.: JORC/2018/ENV/0613

Sample Name: D.G Stack-1

Sample Drawn By: Us

Sample Quantity:

Analysis Start Date: 15/12/2018

Received Date: 15/12/2018

Analysis End Date: 18/12/2018

Sample Description: –

Sampling Method: By Handy sampler

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	Capacity	KVA	–	–	–	–
2	Velocity	m/s	–	–	6.44	–
3	Source	–	–	–	D.G Set-1	–
4	Stack Height	Meter	–	–	2	Approx
5	Stack temperature	Degree Celcius	–	–	107.52	–
6	SO2	ppm	IS 11255 (Part 2): 1985 (RA 1995) IPA-Thorin Method	100	8.16	–
7	Stack attached to	–	–	–	D.G Set-1	–

Head office: Shed No. K-1, 2705/2, 3, 4, G.I.D.C. Estate, Ankleshwar-393002, Gujarat, India (t)-02646-220293 (f)-02646-239454 (m)-9824450384
Branch Office: F-11, Surajmoti Complex, Near Hariom Nagar, Vadodara-390023 (t)-0265-2386937
Website: www.jyotiom.com Email: info@jyotiom.com

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC659018000000835P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	Fuel used	--	--	--	Diesel	--
9	NOx	ppm	IS 11255 (Part 7): 2005 Colorimetric (Phenoldisulphonic Acid (PDS) Method	50	45.25	--
10	PM	mg/Nm3	IS: 11255 (Part 1)-1985-PM	150	21.24	--
11	Hydro Carbon	mg/Nm3	IS 11255 (Part 3) 2008	--	4.48	--
12	Volatile Organic Compound	ppm	IS 11255 (Part 3) 2008	--	7	--
13	Air Pollution Control Mesure	--	--	--	NA	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: TCDRathod

Analyst Name: R.D.Rathod

Authorized Signatory :

Name & Function :

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD. GIDC Ankleshwar

End of Analysis Report

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

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D.G. Set exhaust
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC639018000000836P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

Sample Id: Sunsar

Reference No.: JORC/2018/ENV/0614

Sample Name: D.G Stack-2

Sample Drawn By: Us

Sample Quantity:

Analysis Start Date: 15/12/2018

Received Date: 15/12/2018

Analysis End Date: 18/12/2018

Sample Description: --

Sampling Method: By Handy sampler

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	Capacity	KVA	--	--	--	--
2	Source	--	--	--	D G Set-2	--
3	Velocity	m/s	--	--	6.78	--
4	Stack attached to	--	--	--	D G Set-2	--
5	Stack temperature	Degree Celcius	--	--	110.20	--
6	Stack Height	Meter	--	--	2	Approx
7	Fuel used	--	--	--	Diesel	--

Head office: Shed No. K-1, 7705/2, 3, 4, G.I.D.C. Estate, Ankleshwar-393002, Gujarat, India (t)-02646-220293 (f)-02646-230454 (m)-9824450384
Branch Office: F-11, Surajmoti Complex, Near Hariom Nagar, Vadodara-390023 (t)-0265-2386937
Website: www.jyotiom.com Email: info@jyotiom.com

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Customer: M/S Pan India Consultants Pvt. Ltd

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

ULR: TC659018000000836P

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	SO2	ppm	IS 11255 (Part 2): 1985 (RA 1995) IPA-Thorin Method	100	11.12	–
9	NOx	ppm	IS 11255 (Part 7): 2005 Colorimetric (Phenoldisulphonic Acid (PDS) Method	50	59.92	–
10	PM	mg/Nm3	IS: 11255 (Part 1)-1985-PM	150	26.70	–
11	Air Pollution Control Mesure	–	–	–	NA	–
12	Hydro Carbon	mg/Nm3	IS 11255 (Part 3) 2008	–	5.62	–
13	Volatile Organic Compound	ppm	IS 11255 (Part 3) 2008	–	9	–

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: R.D.Rathod

Analyst Name: R.D. Rathod

Authorized Signatory :

Name & Function :

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD. GIDC Ankleshwar

End of Analysis Report

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

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Ambient air
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000782P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

Sample Id: Sunsar | **Reference No.:** JORC/2018/ENV/0596

Sample Name: Ambient air Monitoring | **Sample Drawn By:** Us

Sample Quantity: | **Analysis Start Date:** 11/12/2018

Received Date: 11/12/2018 | **Analysis End Date:** 15/12/2018

Sample Description: – | **Sampling Method:** By HVS

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	NOx	µg/Nm3	IS:5182(Part-6):2006(1st Revision Colorimetric (NEDA) method	80	18.38	–
2	PM 10	µg/Nm3	IS 5182 (Part-23):2006	100	83.03	–
3	Benzene	µg/m3	IS:5182(Part 5)-1975 (RA2014)	05	BDL	–
4	PM 2.5	µg/Nm3	LAB SOP NO.24 Dated: 01.05.2015	60	24.96	–
5	Benzo(a)Pyrene	ng/m3	IS:5182(Part 5)-1975 (RA2014)	01	BDL	–
6	SO2	µg/Nm3	IS:5182(Part-2):2012(1st Revision Colorimetric (TCM) method	–	18.21	–
7	Lead	µg/m3	IS:5182(Part 5)-1975 (RA2014)	1.0	BDL	–

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000782P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	Arsenic	ng/m3	IS:5182(Part 5)-1975 (RA2014)	06	BDL	--
9	Ozone	µg/m3	IS:5182(Part 5)-1975 (RA2014)	180	20.30	--
10	Nickel	ng/m3	IS:5182(Part 5)-1975 (RA2014)	20	BDL	--
11	Ammonia	µg/m3	IS 5182	850	36.37	--
12	Carbon Monoxide	mg/m3	IS:5182(Part 5)-1975 (RA2014)	04	0.08	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign:

Analyst Name: Archana Vasava

Authorized Signatory:

Name & Function: Ankleshwar

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

End of Analysis Report

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

D.G. Set exhaust
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC659018000000783P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

Sample Id: Sunsar	**Reference No.: JORC/2018/ENV/0597**
Sample Name: D.G Stack-1	**Sample Drawn By: Us**
Sample Quantity:	**Analysis Start Date: 11/12/2018**
Received Date: 11/12/2018	**Analysis End Date: 15/12/2018**
Sample Description: --	**Sampling Method: By Handy sampler**

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	Capacity	KVA	--	--	--	--
2	Source	--	--	--	D.G Set-1	--
3	Velocity	m/s	--	--	6.43	--
4	Stack temperature	Degree Celcius	--	--	108.63	--
5	Stack Height	Meter	--	--	2	Approx
6	Stack attached to	--	--	--	D.G Set-1	--
7	Fuel used	--	--	--	Diesel	--

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Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000783P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	SO2	ppm	IS 11255 (Part 2): 1985 (RA 1995) IPA-Thorin Method	100	8.22	--
9	PM	mg/Nm3	IS: 11255 (Part 1)-1985-PM	150	20.36	--
10	NOx	ppm	IS 11255 (Part 7): 2005 Colorimetric (Phenoldisulphonic Acid (PDS) Method	50	46.37	--
11	Hydro Carbon	mg/Nm3	IS 11255 (Part 3) 2008	--	4.59	--
12	Air Pollution Control Mesure	--	--	--	NA	--
13	Volatile Organic Compound	ppm	IS 11255 (Part 3) 2008	--	7	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: Analyst Name: Archana Vasava

Authorized Signatory: Name & Function: K.A. [illegible]

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End of Analysis Report

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

D.G.Set exhaust
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC659018000000784P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

Sample Id: Sunsar

Reference No.: JORC/2018/ENV/0598

Sample Name: D.G Stack-2

Sample Drawn By: Us

Sample Quantity:

Analysis Start Date: 11/12/2018

Received Date: 11/12/2018

Analysis End Date: 15/12/2018

Sample Description: -

Sampling Method: By Handy sampler

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	Capacity	KVA	--	--	--	--
2	Source	--	--	--	D.G Set-2	--
3	Velocity	m/s	--	--	6.94	--
4	Stack temperature	Degree Celcius	--	--	109.80	--
5	Stack Height	Meter	--	--	2	Approx
6	Stack attached to	--	--	--	D.G Set-2	--
7	Fuel used	--	--	--	Diesel	--

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000785P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
20	Zinc	mg/l	APHA (3500 Zn A) 22 Edition	--	BDl	--
21	Hexavalent Chromium	mg/l	APHA (3500 Cr) 22 Edition	--	BDL	--
22	Turbidity	NTU	By APHA 2130 B Nephelometric Method	--	1.85	--
23	Chloride	in mg/l	By APHA 4500-Cl-B Argentometric Method	--	198	--
24	Total Hardness	in mg/l	By APHA 2340-C EDTA Titrimetric Method	--	235	--
25	MPN	MPN/100	IS 10500	--	<2	--
26	Total Coliforms	Per 250 ml	IS 15185:2002	--	Absent	--
27	Free Residual Chlorine	mg/l	By APHA 4500 Cl B Iodometric method	--	BDL	--
28	Manganess	mg/l	By APHA 3500 Mn B Persulfate method	--	BDl	--
29	Iron	mg/l	By APHA 3500 Fe B Phenanthroline Method	--	0.18	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign:

Analyst Name: Archana Vaghela

Authorized Signatory:

Name & Function:

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

End of Analysis Report

Head office: Shed No. K-1, 7705/2, 3, 4, G.I.D.C. Estate, Ankleshwar-393002, Gujarat, India (t)-02646-220293 (f)-02646-239454 (m)-9824450384
Branch Office: F-11, Surajmati Complex, Near Hariom Nagar, Vadodara-390023 (t)-0265-2386937
Website: www.jyotiom.com Email: info@jyotiom.com

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016120510 Issue Date: 05/12/2016 Sample Ref No: BECPL/LAB/S/2016112805 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Ambient Air Monitoring	Location of Monitoring :	Near Main Gate
Sampling Date	: 26/11/2016	Date of Performance of Test	: 26/11/2016
Sample Receipt Date	: 28/11/2016	Date of Completion of Test	: 04/12/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	38.7	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	85.04	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	28.8	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	27.6	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	616	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	7.2	Instrumental method	$\mu g/m^3$
NMHC	2.9	Instrumental method	$\mu g/m^3$
VOC	45.2	Instrumental method	$\mu g/m^3$
Ozone	13.5	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	2.28	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL: Below Detectable Limit.

(Government Analyst)
Date: 05/12/2016

Corporate Office:-
28,29,30, Parmeshwar Estate-1, Phase-I, Op. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat, India.
Tel:+91-79-40083051/52, 25834587, 29295048, 29295133, Fax:+91-79-40085051
www.bhagwatienviro.com Email: bhagwatienviro@gmail.com, bhagwatienviro@yahoo.com

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016120511 Issue Date: 05/12/2016 Sample Ref No: BECPL/LAB/S/2016112806 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd. Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02			
Description of Sample	: Ambient Air Monitoring	Location of Monitoring :	Near HSE Office Area
Sampling Date	: 26/11/2016	Date of Performance of Test	: 26/11/2016
Sample Receipt Date	: 28/11/2016	Date of Completion of Test	: 04/12/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	40.3	Gravimetric Method	µg /m^3
Particulate Matter (PM_{10})	77.1	Gravimetric Method	µg /m^3
Sulphur Dioxide	29.4	IS Method No. 5182, (Part-2)	µg /m^3
Nitrogen Dioxide	21.9	IS Method No. 5182, (Part-6)	µg /m^3
Carbon Monoxide	712	IS Method No. 5182, (Part-10)	mg /m^3
Hydro Carbon	8.6	Instrumental method	µg /m^3
NMHC	3.2	Instrumental method	µg /m^3
VOC	50.6	Instrumental method	µg /m^3
Ozone	17.9	Chemical Method	µg /m^3
Mercury	BDL	Acid Digestion followed by AAS	µg /m^3
Lead	BDL	Acid Digestion followed by AAS	µg /m^3
Ammonia	4.9	IS Method No. 11255, (Part-6)	µg /m^3

BDL: Below Detectable Limit.

(Government Analyst)
Date: 05/12/2016

Corporate Office:-
B-29/30, Parmeshwar Estate-II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445. Gujarat. India.
Tel.:+91-79-40083051/52, 25834567, 29295043, 29295133. Fax:+91-79-40083061
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TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Socicty,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana.**	Report No: BECPL/LAB/R/2016120512 Issue Date: 05/12/2016 Sample Ref No: BECPL/LAB/S/2016112807 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Stack	Stack Attached to	: D.G.Set
Sampling Date	: 26/11/2016	Stack Height from G.L	: 30 meter Approx
Sampling Duration	: 30 min	Fuel Used	: Diesel
Sample Receipt Date	: 28/11/2016	Date of Performance of Test	: 26/11/2016
Sampling By	: BECPL	Date of Completion of Test	: 04/12/2016
Test Parameter	: As per Table	Sampling & Analysis By	: Nilesh

Sr. No	Test Parameters	Resnlts	Test Method	Unit
1.	Particulate Matter	54.3	IS Method No. 11255, (Part-1)	mg/Nm^3
2.	Sulphur Dioxide	16.9	IS Method No. 11255, (Part-2)	ppm
3.	Nitrogen Dioxide	7.8	IS Method No. 5182, (Part-6)	ppm
4.	Hydro Carbon	4.6	Methods of Air Sampling and Analysis, Second Edition, APHA	mg/m^3
5.	VOC	12.1	IS Method No. 5182, (Part-11)	mg/m^3

(Government Analyst)
Date: 05/12/2016

Recognized Environmental Laboratories under The Environment (Protection) Act, 1986 valid upto 21-05-2017
Note: This report is subject to terms & conditions mentioned overleaf.

Corporate Office:
28,29,30, Parmeshwar Estate-II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat, India.
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TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road,** **Behind Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016122601 Issue Date: 05/01/2017 Sample Ref No: BECPL/LAB/S/2016123003 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Chuveli in Chanasma Tehsil, Patan District, Well Name: Well 01

Description of Sample	: Ambient Air Monitoring	Location of Monitoring	: Near Main Gate
Sampling Date	: 28/12/2016	Date of Performance of Test	: 28/12/2016
Sample Receipt Date	: 30/12/2016	Date of Completion of Test	: 04/01/2017
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	41.2	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	81.0	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	25.4	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	27.6	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	598	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	7.9	Instrumental method	$\mu g/m^3$
NMHC	3.0	Instrumental method	$\mu g/m^3$
VOC	54.2	Instrumental method	$\mu g/m^3$
Ozone	13.5	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	6.77	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL : Below Detectable Limit

(Government Analyst)
Date: 5/1/17

Bhagwati
Enviro Care Pvt. Ltd.

- MOEF Recognized Laboratory
- Enlisted with GPCB
- Environmental Consultants, Auditors & Analyst
- Specialized in REIA, EIA, EC, CPCB registration, WWTP, STP, APCM
- ISO:9001, ISO:14001 & OHSAS:18001 Certified Company

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016122602 Issue Date: 05/01/2017 Sample Ref No: BECPL/LAB/S/2016123004 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Chaveli in Chanasma Tehsil, Patan District, Well Name: Well 01

Description of Sample	: Ambient Air Monitoring	Location of Monitoring Area	: Near HSE Office
Sampling Date	: 28/12/2016	Date of Performance of Test	: 28/12/2016
Sample Receipt Date	: 30/12/2016	Date of Completion of Test	: 04/01/2017
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	42.5	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	72.2	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	23.2	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	29.2	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	642	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	8.3	Instrumental method	$\mu g/m^3$
NMHC	3.9	Instrumental method	$\mu g/m^3$
VOC	51.9	Instrumental method	$\mu g/m^3$
Ozone	22.4	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	6.28	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL : Below Detectable Limit.

(Government Analyst)
Date: 5/1/17

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana.**	Report No: BECPL/LAB/R/2016122603 Issue Date: 05/01/2017 Sample Ref No: BECPL/LAB/S/2016123005 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Chaveli in Chorasma Tehsil, Patan District, Well Name: Well 01

Description of Sample	: Stack	Stack Attached to	: D.G.Set
Sampling Date	: 28/12/2016	Stack Height from G.L	: 30 meter
Sampling Duration	: 30 min	Fuel Used	Approx : Diesel
Sample Receipt Date	: 30/12/2016	Date of Performance of Test	: 28/12/2016
Sampling By	: BECPL	Date of Completion of Test	: 04/01/2017
Test Parameter	: As per Table	Sampling & Analysis By	: Nilesh

Sr. No	Test Parameters	Results	Test Method	Unit
1.	Particulate Matter	35.2	IS Method No. 11255, (Part-1)	mg/Nm^3
2.	Sulphur Dioxide	16.1	IS Method No. 11255, (Part-2)	ppm
3.	Nitrogen Dioxide	8.7	IS Method No. 5182, (Part-6)	ppm
4.	Hydro Carbon	4.9	Methods of Air Sampling and Analysis, Second Edition, APHA	mg/m^3
5.	VOC	12.2	IS Method No. 5182, (Part-11)	mg/m^3

(Government Analyst)
Date: 5/1/17

Annexure-II
Mercury in Air, Water and Drill Cutting

Bhagwati Enviro Care Pvt. Ltd.

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016120510 Issue Date: 05/12/2016 Sample Ref No: BECPL/LAB/S/2016112805 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Ambient Air Monitoring	Location of Monitoring :	Near Main Gate
Sampling Date	: 26/11/2016	Date of Performance of Test	: 26/11/2016
Sample Receipt Date	: 28/11/2016	Date of Completion of Test	: 04/12/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	38.7	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	85.04	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	28.8	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	27.6	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	616	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	7.2	Instrumental method	$\mu g/m^3$
NMHC	2.9	Instrumental method	$\mu g/m^3$
VOC	45.2	Instrumental method	$\mu g/m^3$
Ozone	13.5	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	2.28	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL: Below Detectable Limit.

(Government Analyst)
Date: 05/12/2016

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Note: This report is subject to terms & conditions mentioned overleaf.

Corporate Office:
28,29,30 Parmeshwar Estate-II, Phase-I, Op. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445. Gujarat, India
Tel.:+91-79-40083051/52, 25834567, 25895043, 25895133, Fax:+91-79-40083053
www.bhagwatienviro.com Email: bhagwatienviro@gmail.com, bhagwatienviro@yahoo.com

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016120511 Issue Date: 05/12/2016 Sample Ref No: BECPL/LAB/S/2016112806 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Ambient Air Monitoring	Location of Monitoring :	Near HSE Office Area
Sampling Date	: 26/11/2016	Date of Performance of Test	: 26/11/2016
Sample Receipt Date	: 28/11/2016	Date of Completion of Test	: 04/12/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	40.3	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	77.1	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	29.4	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	21.9	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	712	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	8.6	Instrumental method	$\mu g/m^3$
NMHC	3.2	Instrumental method	$\mu g/m^3$
VOC	50.6	Instrumental method	$\mu g/m^3$
Ozone	17.9	Chemical Method	$\mu g/m^3$
Mercury	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	BDL	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	4.9	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL: Below Detectable Limit.

(Government Analyst)
Date: 05/12/2016

Corporate Office:-
28,29,30, Rameshwar Estate-II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382445. Gujarat, India.
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TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016111901 Issue Date: 19/11/2016 Sample Ref No: BECPL/LAB/S/2016111202 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Ambient Air Monitoring	Location of Monitoring :	Near Main Gate
Sampling Date	: 11/11/2016	Date of Performance of Test	: 11/11/2016
Sample Receipt Date	: 12/11/2016	Date of Completion of Test	: 17/11/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	33.2	Gravimetric Method	µg /m^3
Particulate Matter (PM_{10})	74.1	Gravimetric Method	µg /m^3
Sulphur Dioxide	10.8	IS Method No. 5182, (Part-2)	µg /m^3
Nitrogen Dioxide	15.4	IS Method No. 5182, (Part-6)	µg /m^3
Carbon Monoxide	682	IS Method No. 5182, (Part-10)	mg /m^3
Hydro Carbon	8.6	Instrumental method	µg /m^3
NMHC	2.8	Instrumental method	µg /m^3
VOC	46.9	Instrumental method	µg /m^3
Ozone	29.6	Chemical Method	µg /m^3
Mercury	BDL	Acid Digestion followed by AAS	µg /m^3
Lead	0.05	Acid Digestion followed by AAS	µg /m^3
Ammonia	23.4	IS Method No. 11255, (Part-6)	µg /m^3

BDL: Below Detectable Limit.

(Government Analyst)
Date: 19/11/16

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- ISO:9001, ISO:14001 & OHSAS:18001 Certified Company

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016111902 Issue Date: 19/11/2016 Sample Ref No: BECPL/LAB/S/2016111203 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd. Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02			
Description of Sample	: Ambient Air Monitoring	Location of Monitoring	: Near HSC Office Area
Sampling Date	: 11/11/2016	Date of Performance of Test	: 11/11/2016
Sample Receipt Date	: 12/11/2016	Date of Completion of Test	: 17/11/2016
Sampling By	: BECPL	Sampling & Analysis	: Nilesh, Denish

Parameter	Results	Test Method	Unit
Particulate Matter ($PM_{2.5}$)	31.3	Gravimetric Method	$\mu g/m^3$
Particulate Matter (PM_{10})	68.6	Gravimetric Method	$\mu g/m^3$
Sulphur Dioxide	9.9	IS Method No. 5182, (Part-2)	$\mu g/m^3$
Nitrogen Dioxide	13.8	IS Method No. 5182, (Part-6)	$\mu g/m^3$
Carbon Monoxide	781	IS Method No. 5182, (Part-10)	mg/m^3
Hydro Carbon	9.6	Instrumental method	$\mu g/m^3$
NMHC	3.4	Instrumental method	$\mu g/m^3$
VOC	52.2	Instrumental method	$\mu g/m^3$
Ozone	31.2	Chemical Method	$\mu g/m^3$
Mercury	BDL.	Acid Digestion followed by AAS	$\mu g/m^3$
Lead	0.02	Acid Digestion followed by AAS	$\mu g/m^3$
Ammonia	19.8	IS Method No. 11255, (Part-6)	$\mu g/m^3$

BDL: Below Detectable Limit.

(Government Analyst)
Date: 19/11/16

Bhagwati
Enviro Care Pvt. Ltd.

TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana.**	Report No: BECPL/LAB/R/2016120513 Issue Date: 05/12/2016 Sample Ref No: BECPL/LAB/S/2016112808 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chanasma Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Drinking water	Quantity/No of Sample	: 2 lit / One
Date of Sampling	: 26/11/2016	Sampling Procedure	: Grab Sample
Sample Receipt Date	: 28/11/2016	Date of Performance of Test	: 28/11/2016
Sample Submitted By	: BECPL	Packing / Seal	: Unseal
Test Parameter	: As per Table	Date of Completion of Test	: 04/12/2016
Analysis By	: Mansi, Nilesh, Denish	Tests Method	: APHA 21st Edition 2005

Sr. No	Test Parameters	Result	Unit
1	Colour	Colorless	Hz
2	Chlorides	788.1	mg/l
3	Turbidity	< 1	NTU
4	Total Hardness (as $CaCO_3$)	670	mg/l
5	Iron	0.14	mg/l
6	Residual Free Chlorides	BDL	mg/l
7	Odour	Unobjectable	--
8	Fluoride	1.6	mg/l
9	pH	7.4	--
10	Total Dissolved Solids	1986	mg/l
11	Calcium	105	mg/l
12	Magnesium	99.4	mg/l
13	Copper	BDL	mg/l
14	Manganese	BDL	mg/l
15	Sulphate	144	mg/l
16	Nitrate	12.4	mg/l
17	Cadmium	BDL	mg/l
18	Phenolic Compound	BDL	mg/l
19	Mercury	BDL	mg/l
20	Cyanide	BDL	mg/l
21	Lead	BDL	mg/l
22	Arsenic	BDL	mg/l
23	Hexavalent Chromium (as Cr + 6)	BDL	mg/l
24	Boron	BDL	mg/l
25	Zinc	0.22	mg/l
26	Aluminium	BDL	mg/l
27	Alkalinity	800	mg/l
28	Most probable Number	< 2	MPN/100 ml
29	Total Coliform	< 2	MPN/100 ml

BDL: Below Detectable Limit.

(Government Analyst)
Date: 05/12/2016

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Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana.**	Report No: BECPL/LAB/R/2016111904 Issue Date: 19/11/2016 Sample Ref No: BECPL/LAB/S/2016111206 Customer's Reference : By mail

Location of Monitoring : Pan India Consultants Pvt. Ltd.
Village : Merwada in Chhasana Tehsil, Patan District, Well Name: Well 02

Description of Sample	: Drinking water	Quantity/No of Sample	: 2 ltr / One
Date of Sampling	: 11/11/2016	Sampling Procedure	: Grab Sample
Sample Receipt Date	: 12/11/2016	Date of Performance of Test	: 11/11/2016
Sample Submitted By	: BECPL	Packing / Seal	: Unseal
Test Parameter	: As per Table	Date of Completion of Test	: 17/11/2016
Analysis By	: Mansi, Nilesh, Denish	Tests Method	: APHA 21st Edition 2005

Sr. No	Test Parameters	Result	Unit
1	Colour	Colorless	Hz
2	Chlorides	1124	mg/l
3	Turbidity	< 1	NTU
4	Total Hardness (as $CaCO_3$)	700	mg/l
5	Iron	0.74	mg/l
6	Residual Free Chlorides	BDL	mg/l
7	Odour	Unobjectable	--
8	Fluoride	2.5	mg/l
9	pH	7.2	--
10	Total Dissolved Solids	2060	mg/l
11	Calcium	97.8	mg/l
12	Magnesium	111.1	mg/l
13	Copper	0.02	mg/l
14	Manganese	BDL	mg/l
15	Sulphate	158	mg/l
16	Nitrate	28.9	mg/l
17	Cadmium	BDL	mg/l
18	Phenolic Compound	BDL	mg/l
19	Mercury	BDL	mg/l
20	Cyanide	BDL	mg/l
21	Lead	0.05	mg/l
22	Arsenic	BDL	mg/l
23	Hexavalent Chromium (as Cr+6)	BDL	mg/l
24	Boron	BDL	mg/l
25	Zinc	0.32	mg/l
26	Aluminium	BDL	mg/l
27	Alkalinity	810	mg/l
28	Most probable Number	< 2	MPN/100 ml
29	Total Coliform	< 2	MPN/100 ml

BDL: Below Detectable Limit

(Government Analyst)
Date: 19/11/16

Annexure-I

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Ground Water ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000837P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

Sample Id: Sunsar

Sample Name: Ground Water

Sample Quantity: 2.0 lt

Received Date: 15/12/2018

Sample Description: Colourless Sample

Reference No.: JORC/2018/ENV/0615

Sample Drawn By: Us

Analysis Start Date: 15/12/2018

Analysis End Date: 20/12/2018

Sampling Method: Grab Sampling

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	TDS	in mg/l	By APHA 2540-C Total Dissolved solids Dried at 180 C	--	862	--
2	pH	pH in Unit	By APHA- 4500 H+B Electrometric Method	--	7.26	--
3	Fluoride	mg/l	APHA (4500 F-D) 22 Edition	--	0.06	--
4	Aluminium	mg/l	APHA (3500 Al B) 22 Edition	--	BDL	--
5	Calcium	mg/l	By APHA 3500 Ca B EDTA Titrimetric Method	--	38	--
6	Sulphate	mg/l	By APHA 4500 SO4 2 E Turbidimetric Method	--	96	--
7	Odour	--	Other	--	Odourless	--

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Branch Office: F-11, Surajmoti Complex, Near Harium Nagar, Vadodara-390023 (t)-0265-2386937
Website: www.jyotiom.com Email: info@jyotiom.com

Customer: M/S Pan India Consultants Pvt. Ltd

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

ULR: TC659018000000837P

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	Cadmium	mg/l	APHA (3500 Cu A) 22 Edition	--	BDL	--
9	Magnesium	mg/l	APHA (3500 Mg) 22 Edition	--	27	--
10	Nitrate	mg/l	By APHA 4500 NO3 D Nitrate electrode method	--	0.3	--
11	Phenolic Compound	mg/l	APHA (5530 D) 22 Edition	--	BDL	--
12	Mercury	mg/l	APHA (3500 Hg A) 22 Edition	--	BDL	--
13	Boron	mg/l	APHA (4500 B-B) 22 Edition	--	BDL	--
14	Cyanides	mg/l	APHA (4500 CN-E) 22 Edition	--	BDL	--
15	Arsenic	mg/l	APHA (3500 AS A) 22 Edition	--	BDL	--
16	Alkalinity	mg/l	APHA (2320 B) 22 Edition	--	243	--
17	Colour	pt.co.scale	By APHA 2120 C Platinum Cobalt Method	--	2	--
18	Copper	mg/l	By APHA 3500 Cu B Neocuproine Method	--	0.13	--
19	Lead	mg/l	By APHA 3500 Pb	--	BDL	--

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Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000837P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
20	Zinc	mg/l	APHA (3500 Zn A) 22 Edition	--	BDL	--
21	Hexavalent Chromium	mg/l	APHA (3500 Cr) 22 Edition	--	BDL	--
22	Chloride	in mg/l	By APHA 4500-Cl-B Argentometric Method	--	192	--
23	Turbidity	NTU	By APHA 2130 B Nephelometric Method	--	1.73	--
24	Total Hardness	in mg/l	By APHA 2340-C EDTA Titrimetric Method	--	239	--
25	MPN	MPN/100	IS 10500	--	<2	--
26	Manganese	mg/l	By APHA 3500 Mn B Persulfate method	--	BDL	--
27	Free Residual Chlorine	mg/l	By APHA 4500 Cl B Iodometric method	--	BDL	--
28	Total Coliforms	Per 250 ml	IS 15185:2002	--	Absent	--
29	Iron	mg/l	By APHA 3500 Fe B Phenanthroline Method	--	0.16	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: R.D.Rathod

Analyst Name: R.D.Rathod

Authorized Signatory :

Name & Function :

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

End of Analysis Report

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Ground water
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000785P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

Sample Id: Sunsar

Reference No.: JORC/2018/ENV/0599

Sample Name: Ground Water

Sample Drawn By: Us

Sample Quantity: 2.0 lt

Analysis Start Date: 11/12/2018

Received Date: 11/12/2018

Analysis End Date: 15/12/2018

Sample Description: Colourless Sample

Sampling Method: Grab Sampling

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	TDS	in mg/l	By APHA 2540-C Total Dissolved solids Dried at 180C	--	854	--
2	pH	pH in Unit	By APHA- 4500 H+B Electrometric Method	--	7.58	--
3	Fluoride	mg/l	APHA (4500 F-D) 22 Edition	-	0.05	--
4	Aluminium	mg/l	APHA (3500 Al B) 22 Edition	-	BDL	--
5	Odour	-	Other	-	Odourless	--
6	Sulphate	mg/l	By APHA 4500 SO4 2 E Turbidimetric Method	-	98	--
7	Calcium	mg/l	By APHA 3500 Ca B EDTA Titrimetric Method	-	39	--

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000785P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
8	Nitrate	mg/l	By APHA 4500 NO3 D Nitrate electrode method	–	0.2	–
9	Cadmium	mg/l	APHA (3500 Cu A) 22 Editiod	–	BDL	–
10	Magnesium	mg/l	APHA (3500 Mg) 22 Edition	–	26	–
11	Mercury	mg/l	APHA (3500 Hg A) 22 Edition	–	BDL	–
12	Boron	mg/l	APHA (4500 B-B) 22 Edition	–	BDL	–
13	Phenolic Compound	mg/l	APHA (5530 D) 22 Edition	–	BDL	–
14	Alkalinity	mg/l	APHA (2320 B) 22 Edition	–	241	–
15	Cyanides	mg/l	APHA (4500 CN-E) 22 Edition	–	BDL	–
16	Arsenic	mg/l	APHA (3500 AS A) 22 Edition	–	BDL	–
17	Lead	mg/l	By APHA 3500 Pb	–	BDL	–
18	Copper	mg/l	By APHA 3500 Cu B Neocupreoine Method	–	0.11	–
19	Colour	pt.co.scale	By APHA 2120 C Platinum Cobalt Method	–	2	–

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000000785P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

#	Parameter	Unit	Test Method	Specification	Result	Remark
20	Zinc	mg/l	APHA (3500 Zn A) 22 Edition	--	BDl	--
21	Hexavalent Chromium	mg/l	APHA (3500 Cr) 22 Edition	--	BDL	--
22	Turbidity	NTU	By APHA 2130 B Nephelometric Method	--	1.85	--
23	Chloride	in mg/l	By APHA 4500-Cl-B Argentometric Method	--	198	--
24	Total Hardness	in mg/l	By APHA 2340-C EDTA Titrimetric Method	--	235	--
25	MPN	MPN/100	IS 10500	--	<2	--
26	Total Coliforms	Per 250 ml	IS 15185:2002	--	Absent	--
27	Free Residual Chlorine	mg/l	By APHA 4500 Cl B Iodometric method	--	BDL	--
28	Manganess	mg/l	By APHA 3500 Mn B Persulfate method	--	BDl	--
29	Iron	mg/l	By APHA 3500 Fe B Phenanthroline Method	--	0.18	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: Authorized Signatory:

Analyst Name: Archana Vaseiya Name & Function: K. Balasubramanian TM

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End of Analysis Report

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TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **C/o Pan India Consultants Pvt Ltd** **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upnagar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016060828 Issue Date: 18/11/2016 Sample Ref No:BECPL/LAB/R/2016060828 Customer's Reference: Verbal

Description of Sample	: Drill Cutting	Quantity/No of Sample	: 1liter / One
Date of Sampling	: 11/11/2016	Sampling Procedure	: Grab Sample
Sample Receipt Date	: 14/11/2016	Date of Performance of Test	: 14/11/2016
Sample Submitted By	: Client	Packing / Seal	: ok/seal
Test Parameter	: As per Table	Date of Completion of Test	: 18/11/2016
Analysis By	: Mahes	Test Method	:Solid Analysis

Sr. no	Name of sample.	Result	Unit
01	Mercury	BDL	Mg/L

BDL = below detectable limit.

(Government Analyst)
Date: 18/11/2016

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TEST CERTIFICATE

Company Name and Address

M/s. Chetankumar Virchandbhai Shah **C/o Pan India Consultants Pvt Ltd** **27, Siddharth Society,** **T.B.Hospital Road, Behind** **Upasgar Jain Derasar, Mehsana**	Report No: BECPL/LAB/R/2016060872 Issue Date: 23/12/2016 Sample Ref No:BECPL/LAB/R/2016060872 Customer's Reference: Verbal

Description of Sample	: Drill Cutting	Quantity/No of Sample	: One
Date of Sampling	: 17/12/2016	Sampling Procedure	: Grab Sample
Sample Receipt Date	: 19/12/2016	Date of Performance of Test	: 19/12/2016
Sample Submitted By	: Client	Packing / Seal	: unseal
Test Parameter	: As per Table	Date of Completion of Test	: 23/12/2016
Analysis By	: Mansi	Test Method	:Solid Analysis

Sr. no	Name of sample	Result	Unit
01	Mercury	BDL	Mg/L

BDL = below detectable limit.

(Government Analyst)
Date: 23/12/2016

Annexure-III
Noise Level

Annexure-III

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Noise level
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd

ULR: TC659018000000828P

C/O Chetankumar Virchandbhai Shah, Mehsana, , , Gujarat

Sample Id: Sunsar

Reference No.: JORC/2018/ENV/0606

Sample Name: Day Noise

Sample Drawn By: Us

Sample Quantity:

Analysis Start Date: 15/12/2018

Received Date: 15/12/2018

Analysis End Date: 15/12/2018

Sample Description: –

Sampling Method: By Noise Level Meter

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	Nr. Security gate Area	db (A)	By Noise Level Meter	90	57	–
2	Near Admin Area	db (A)	By Noise Level Meter	90	62	–
3	At Rig	db (A) Leq	Noise Level Meter	90	85	–
4	Nr. D.G Set Area	db (A)	By Noise Level Meter	90	76	–
5	Nr. Parking Area	db (A)	By Noise Level Meter	90	74	–
6	Nr. Muster Point Area	db (A)	By Noise Level Meter	90	53	–

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: R.D.Rathod

Analyst Name: R.D. Rathod

Authorized Signatory :

Name & Function :

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD.

End of Analysis Report

Head office: Shed No. K-1, 7705/2, 3, 4, G.I.D.C. Estate, Ankleshwar-393002, Gujarat, India (t)-02646-220293 (f)-02646-239454 (m)-9824450384
Branch Office: F-11, Surajmoti Complex, Near Hariom Nagar, Vadodara-390023 (t)-0265-2386937
Website: www.jyotiom.com Email: info@jyotiom.com

JYOTI OM
CHEMICAL RESEARCH
CENTRE PVT. LTD.

ISO 9001:2008 certified centre | GPCB Recognised Environment Auditor | NABL accredited Laboratory (TC-6590)

Noise level
ANALYSIS REPORT

Customer: M/S Pan India Consultants Pvt. Ltd ULR: TC659018000003775P

C/O. Chetankumar Virchandbhai Shah Mehsana, Gujarat

Sample Id: Sunsar | Reference No.: JORC/2018/ENV/0589

Sample Name: Day Noise | Sample Drawn By: Us

Sample Quantity: | Analysis Start Date: 11/12/2018

Received Date: 11/12/2018 | Analysis End Date: 11/12/2018

Sample Description: -- | Sampling Method: By Noise Level Meter

#	Parameter	Unit	Test Method	Specification	Result	Remark
1	Nr. Security gate Area	db (A)	By Noise Level Meter	90	58	--
2	Near Admin Area	db (A)	By Noise Level Meter	90	64	--
3	At Rig	db (A) Leq	Noise Level Meter	90	83	--
4	Nr. D.G Set Area	db (A)	By Noise Level Meter	90	78	--
5	Nr. Parking Area	db (A)	By Noise Level Meter	90	78.6	--
6	Nr. Muster Point Area	db (A)	By Noise Level Meter	90	54.4	--

Remarks: The results pertain to tested item only. The test report shall not be reproduced except in full, without written approval of Jyoti Om Chemical Research Centre Pvt Ltd (Analytical Laboratory division).

Analyst Sign: | Authorized Signatory:

Analyst Name: Archana Vasava | Name & Function:

JYOTI OM CHEMICAL RESEARCH CENTRE PVT. LTD. GIDC Ankleshwar

End of Analysis Report

Annexure-IV
TSDF Certificate

DETOX GROUP

Saurashtra Enviro Projects Pvt. Ltd.

Integrated Common Hazardous Waste Management Facility

REF No: SEPPL/1200002703/2016-17/742 Date of Issue: 16/11/2016

TO WHOMSOEVER CONCERN

PROVISIONAL MEMBERSHIP CERTIFICATE

This is to certify that **M/s. Pan India Consultants Pvt Ltd (Generator)** having its Production Unit at **Vill: Chaveli & Merwada-384220 Ta: Chanasma, Dist: Patan** has approached **M/s. Saurashtra Enviro Projects Pvt. Ltd. (Operator)** for obtaining membership of its Integrated Common Hazardous Waste Management Facility (I.C.H.W.M.F) for disposal of Industrial Hazardous Waste generated from their Production activities.

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

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

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

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

Thanks & Regards,

For, Saurashtra Enviro Projects Pvt. Ltd

(Director)

Corporate Office : Detox House, Opp. Gujarat Samachar Press, Udhna Darwaja, Ring Road, Surat - 395 002. (Guj.)
p. +91 261 2351248, 2346181 f. +91 261 2354068
e. info@sepplindia.com w. www.detoxgroup.in
CIN :- U51100GJ2006PTC047689

EcoCARE
Infrastructures Private Limited

501, Fifth Floor, Mansarovar Avenue, Opp. Tulsishyam Flats, Bhimjipura, Nava Vadaj, Ahmedabad - 380 013. Gujarat. INDIA.
M. : 7283889988 E-mail : ecocare@ecocareinfra.com Website : www.ecocareinfra.com

TO WHOM IT MAY CONCERN

This is to certify that, **PAN INDIA CONSULTANT PRIVATE LIMITED,** situated at **Plot No-42, 44, 732, 731, 730, 729/1, 3129/1, Village-Sunsar and chaveli, Tal-Chanasma, Dist-Patan.** is provisional member of **M/s. EcoCare Infrastructures Pvt. Ltd.** for Hazardous Solid Waste Disposal Site situated at **Survey No. 127, Village: Ghaspur, Tal: Dasada, Dist: Surendranagar.**

Date of Registration :03-07-2018

Provisional Reg. No. :ECIPL-1031

FOR, ECOCARE INFRASTRUCTURES PVT. LTD.

Jignesh P Patel

(MANAGING DIRECTOR)

Annexure-V
Emergency Response Plan

EMERGENCY RESPONSE PLAN

BLOCK: CB-ONN-2010/5

PAN INDIA CONSULTANTS Pvt. Ltd.

EMERGENCY RESPONSE PLAN

CONTENTS:

1.0 INTRODUCTION

The purpose of this emergency contingency plan is to define a procedure for the mobilization of personnel and equipment, as well as the actions required and responsibilities of named personnel. This plan is developed in order to ensure the following priorities for any emergency that may arise:

1) Safeguard life
2) Protect company and contractor assets
3) Protect the environment
4) Resume normal operations as soon as possible
5) Maintain the company and contractor image

In carrying out the above, company and its sub-contractors will at all times ensure full compliance with all laws and statues of the country of operation.

It is essential that the client's personnel at the rig site are also made aware of the ERP during the induction stage and by regularly participating in the mock drills.

On declaration of emergency, all work permits issued at the rig site shall be suspended. Personnel shall safely close down all their operations and move towards the muster station as per the procedure. Fresh permits should be issued only after thorough assessment of the workplace has been carried out.

Accident / Incident report has to be filled in and submitted to the Base Office without fail, immediately on identifying an emergency scenario or soon after the initiation of the response action.

2.0 ON HEALTH, SAFETY and ENVIRONMENT (HSE) POLICY

PICPL is committed to protecting the health and safety of every individual that is involved with PICPL's activities which includes employees, consultants, contractors and the people that come in to contact with PICPL's operations and to ensure optimum protection to the environments in which PICPL operates. PICPL shall achieve these objectives through unrelenting commitment and dedication, process of continuous improvement, adopting the guidelines from international codes and standards where it is practical and implementing appropriate management systems.

- ✓ To ensure that our operations are in accordance with PICPL's requirements of Health, Safety and Environment;
- ✓ we will ensure that our operations comply with applicable health, safety and environment laws and regulations;
- ✓ develop and implement a safety management system to protect all the personnel involved in our activities and the environments in which we operate;
- ✓ provide health, safety and environment training to all our employees and consultants and actively promote HSE awareness;
- ✓ develop an awareness and culture where all the near misses, incidents and accidents are reported and investigated and the learning points are shared throughout the organization for continuous improvement;
- ✓ ensure that all our contractors are aware of our policy and standards on HSE and to ensure contractors compliance;
- ✓ develop a system of regular audits and inspections to ensure compliance our policies and standards;
- ✓ to set objectives and targets and make HSE as a function for each employee and consultant and monitor the performance as part of the appraisal system;
- ✓ develop a system on emergency response and preparedness and provide high priority for regular testing and training so that any emergency is handled in a safe, timely and disciplined manner;
- ✓ to review and advise or recommend Government and regulatory bodies in the formulation or improvement of HSE laws, policies and regulations;

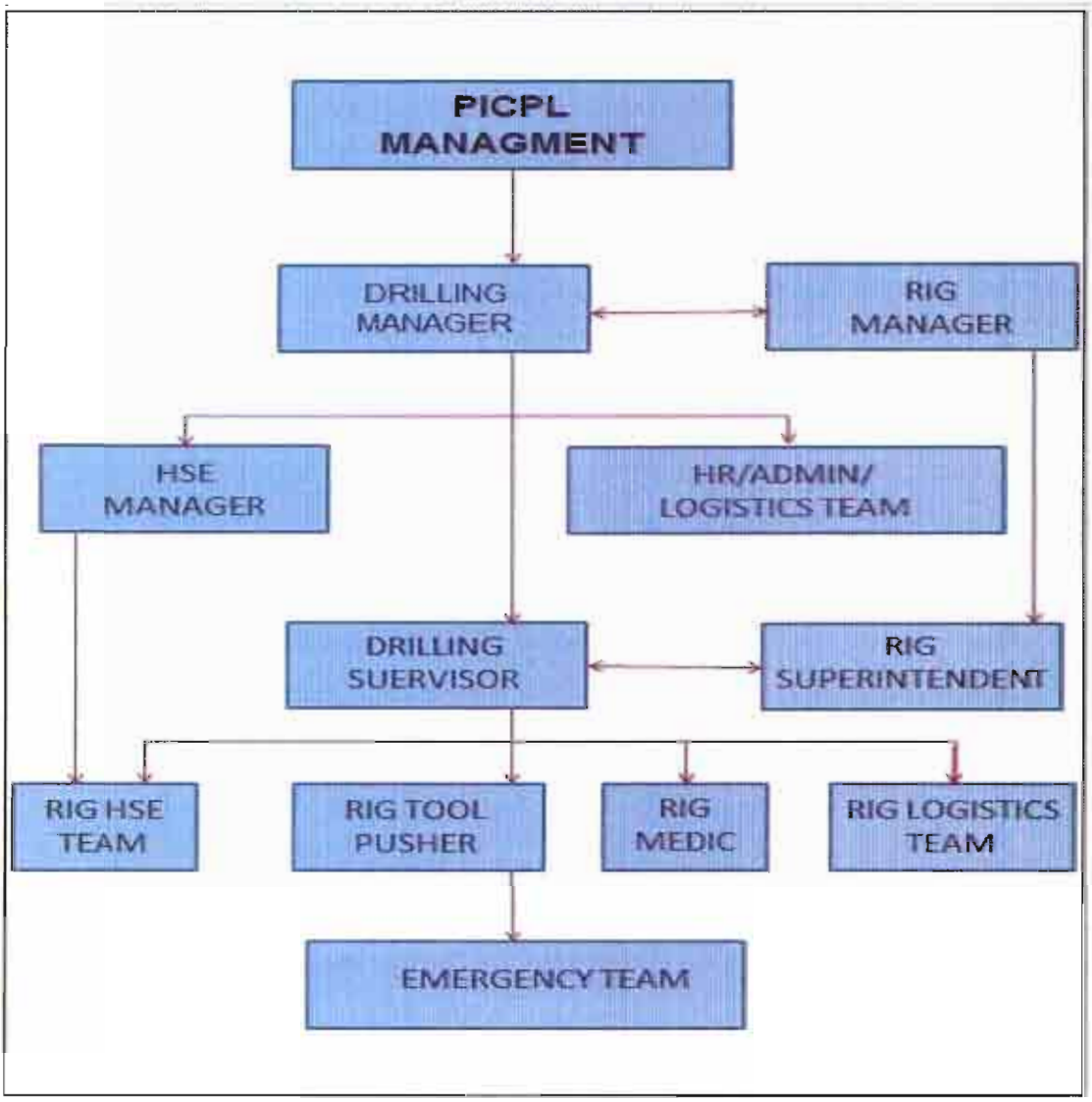
Responsibility for compliance with PICPL's HSE Policy and Standards lies with the Chief Executive, Managers, Staff and Consultants.

Authorised Signatory

Date : 01.10.2016

PICP Limited

3.0 EMERGENCY RESPONSE ORGANIZATION



Primary Responsibilities:

(i) SURFACE SYSTEMS, PERSONNEL and RIG EQUIPMENT – Rig Tool Pusher

(ii) WELL and ALL SUBSURFACE SYSTEMS – Drilling Supervisor

Secondary Responsibilities:

(i) SURFACE SYSTEMS, PERSONNEL and RIG EQUIPMENT – Drilling Supervisor

(ii) WELL and ALL SUBSURFACE SYSTEMS – Rig Tool Pusher

4.0 EMERGENCY PROCEDURES:

This emergency contingency plan outlines procedures for handling the following emergency situations.

4.1 Well kick
4.2 Blowout
4.3 Fire
4.4 H2S release
4.5 Evacuation
4.6 Accidents
4.7 Medical Evaluation
4.8 Missing Persons/Vehicle
4.9 Natural Disaster
4.10 Pollution

The following pages describe in detail the actions to be initiated or cross –verified while responding to the emergency situation. It is mandatory for all rig personnel to familiarize themselves with the procedures so that the reaction time is greatly reduced and the response actions are carried out in a professional manner.

4.1. Well Kicks - Duties and Responsibilities

a) The Driller shall:

- Upon confirming that there is a kick, shut the well immediately to ensure that the influx is minimal and well within the kick tolerance levels
- Once the well is shut in, alert the Tool Pusher and Drilling Supervisor
- Record the SIDPP and SICP and ensure that the SICP does not exceeds the MAASP
- Assemble the entire drilling team for further instructions and preparedness

b) The Tool Pusher will:

- Take immediate action to ensure the safety of all personnel
- Notify the Rig Manager
- Notify Drilling Supervisor and get the directions as required to prepare for well killing operations
- Coordinate medical emergency actions for any injuries

- Take all possible action to minimize damage to the rig, equipment and environment.
- Coordinates well kill operations.

c) The Drilling Supervisor will:

- Assess the situation and coordinate movement of any required additional resources/equipment.
- Notify Drilling Manager and give periodic updates to same.
- Understand the killing requirements (including kill mud weight) and prepare to kill the well as per Company's Well Control Manual or as per the situation at the rig.
- Ensure 24 manning of communications at an emergency control center until the emergency is over.

d) The Rig Manager will:

- Alert the rest of staff.
- Notify Head Office and provide periodic updates.
- Coordinate with PICPL Drilling Manager for the well killing operations including any customs and immigration efforts required for additional resources or equipment.
- Coordinate with PICPL – for any interaction required with Country of operation Governmental agencies.

4.2. Blowout - Duties and responsibilities

a) The Tool Pusher will:

- Carry out the same duties and responsibilities as enumerated in the Company's Well Control Manual and as per instructions specific to the situation at the rig.
- Ensure that the personnel are safe and if required evacuated.
- Ensure that local populations are warned and actions taken to ensure their safety.
- Establish priorities and organize emergency contingency actions accordingly.
- Coordinates well control activities with Drilling Supervisor and outside specialists.
- Implement the responsibilities assigned as per the Emergency Response Manual.

b) The Drilling Supervisor will:

- Carry out the same duties and responsibilities as enumerated in the Company's Well Control Manual.
- Invoke the Company's Emergency Response Plan and if required Disaster Management Plan.
- Co-ordinate with the Drilling Manager as required.
- Ensure safety of personnel.
- Co-ordinate with the Head office for press releases or local community management.

c) The Rig Manager will:

- Carry out the same duties and responsibilities as enumerated in the Company's Well Control Manual.
- Coordinate with PICPL for any press releases or media handling.
- Coordinate with the Rig Tool Pusher to ensure safety of people.

4.3. Procedures In Case of Fire

1. Anyone who spots fire must give the alarm at once and attack the focal point of the fire with the closest extinguisher. The Rig Tool Pusher and the Company Supervisor should be notified by a crew member.
2. The Rig Tool Pusher, as soon as he is alerted, sends as reinforcements to the spot all personnel who are not strictly necessary to the safe performance of work in progress.
3. The Company Supervisor, assisted by the Driller and necessary crewmembers, are to secure the well. The well should be secured following the shut-in procedures outlined in Well Control procedures of the SMS manual.
4. The Driller, after having appraised the situation and given the necessary orders to the personnel, alerts (or if necessary has someone alert) without delay the off-site fire-fighting forces, and in any case, alerts his supervisor. He then organizes the fight against the fire and remains in command of it until he has been formally relieved.
5. As a general rule, the electric current over the whole drilling site must be cut as soon as possible and at any rate BEFORE THE WATER SPRAYS GO INTO OPERATION. Power to the accumulator system and the water pumps should be maintained as long as possible. However, if there is a possibility of water contacting the energized equipment, shut down the system
6. If the fire spreads (and until such time as the outside reinforcements arrive), the one in

charge of fighting the fire, after his own means run out, shall strive to employ his personnel at tasks having some practical value and avoid exposing the men uselessly.

7. As soon as the outside reinforcements arrive, the one in charge on the site shall give all useful information to the one in charge of the outside detachment, and shall decide with him upon use and coordination of means to continue the fight. It is very useful to have that coordination preplanned.
8. In case of need, priority shall be given to detaching necessary personnel from firefighting to bring first aid to injured personnel and organize their evacuation.

Fire - Duties and Responsibilities:

1. The Tool Pusher will:

- Take immediate action to ensure the safety of all personnel.
- Coordinate medical emergency actions for any injuries.
- Take all possible action to minimize damage to the rig, equipment and environment.
- Coordinate initial firefighting efforts and notify the fire Brigade.
- Make initial report and periodic updates to Drilling Superintendent using the Emergency Questionnaire.

2. The Drilling Supervisor will:

- Secure the well.
- Assess the situation and coordinate movement of any required additional resources and equipment.
- Notify Drilling Manager and give periodic updates to same.
- Asses and as per the situation invoke the Emergency Response Plan.

3. The Rig Manager will:

- Alert the rest of staff.
- Notify head Office and give periodic updates to same.
- Coordinate with Drilling Manager to manage the situation as required.

4.4. Hydrogen Sulfide Safety – General:

Hydrogen Sulfide (H2S), or "sour gas" is a poisonous, flammable gas, which is frequently encountered in petroleum drilling. Its presence, in relatively low concentrations; can quickly cause unconsciousness and death. It is essential that all personnel are aware of its hazards and are instructed in the proper safety procedures in order to avoid its effects. The best line of defense against H2S is adherence to good drilling practices and good well control procedures.

Following are facts concerning H2S that all employees should know:

1. H2S is generally recognized by its characteristic foul odor, resembling rotten eggs. However, a high concentration of the gas instantly paralyses the sense of smell and prolonged exposure to low concentrations has the same effect. Therefore, the sense of smell is an unreliable way of detecting and monitoring the presence of H2S.
2. Hydrogen sulfide is heavier than air. This makes it especially dangerous, as this property causes the gas to accumulate in low or enclosed areas.
3. H2S forms an explosive mixture in air or oxygen within the range of 4.3 to 46 percent by volume; thus, the gas presents both a toxic and fire hazard to the rig at the same time.
4. H2S is water-soluble, and has an ignition temperature of 500°F.
5. H2S irritates the eyes and respiratory system. When high concentrations are present, death caused by lung paralysis can occur in a very short time.

Effects of Hydrogen Sulfide:

The following gives a summary of the physiological effects of various concentrations of H2S:

1. 1 ppm (parts per million) can be smelled.
2. 10 ppm Maximum allowable concentration for 8 hours exposure. Protective equipment necessary above this concentration.
3. 100 ppm Kills sense of smell in 3 to 15 min. Irritates eyes and throat.
4. 200 ppm Kills sense of smell rapidly. Irritates eyes and throat.
5. 500-ppm Incapacitates the victim necessitates prompt artificial respiration.
6. 700 ppm Unconscious quickly, resulting in death unless rescued promptly.

7. 1000ppm Immediate unconscious followed by permanent brain damage or death unless rescued immediately.

Detection and Measurement of H2S:

Every rig should be equipped with at least one tube type detector (Draeger or Gastec) or an electronic detector. A stock of tubes must also be maintained. At the start of an operation the tubes should be checked to ensure that:

1. The tubes are of the same manufacture as the air pump.
2. The expiration date on the tubes has not been exceeded.
3. The tubes are to measure the gas suspected.
4. The range of the tubes will measure the concentrations included in the TIME WEIGHTED AVERAGES.
5. The tubes have been stored according to the manufacturer's specifications.
6. The evaluation procedures are included with the tubes.
7. Prior to using the pump, an air tightness test shall be done on the pump. The date and results of the test should be recorded and the record stored with the pump. The test should be done in accordance with the manufacturer's specifications. BEFORE ENTERING AN AREA TO CHECK THE CONCENTRATION OF H2S A BREATHING APPARATUS MUST BE PUT ON AND USED FOR THE DURATION OF THE TEST.
8. Crew members must be trained in the use of a tube and pump type detectors, or in the use of electronic detectors.

Pre-Well planning:

Safety in a hydrogen sulfide environment depends on being fully prepared for an H2S encounter BEFORE it occurs. This involves having a sound contingency plan and ensuring that all personnel are adequately trained in the areas of H2S detection, control, use of personal protection equipment, and first aid as applies to H2S. A good H2S contingency plan consists of three parts:

1. H2S Detection-Detection equipment must be effectively placed and properly maintained, and checked at least once-every tour.

2. Protection - Planned protective measures to be implemented:
    a. Don SCBA
    b. Secure the well
    c. Personnel move to assembly points.
3. Evacuation - Planned evacuation procedures for evacuation of non-essential personnel, and all personnel (if the rig crew is unable to control the well).

Precautionary Measures for drilling in known H2S areas

1. The drilling rig positioning shall be planned so that prevailing winds blow any gas away from occupied work and living areas.
2. Breathing apparatus and other safety gear shall be positioned upwind of the well bore, and shall be capable of being relocated in case of shifts in wind direction.
3. There shall be several designated "assembly areas" strategically located so that one will always be upwind.
4. Wind socks or flag shall be installed in several visible locations, enabling all personnel to determine wind direction in the event of H2S release. They shall be illuminated at night.
5. All electric wiring, devices, and lights shall be explosion-proofed to reduce the possibility of explosion. Any heaters used must be of the flameproof type.
6. Windbreaks and rig curtains shall be removed if the possibility of encountering H2S exists.
7. Fans shall be used on the rig floor, the shaker pits, and the mud pits to prevent accumulation of gas in these areas.
8. Contact lenses cannot be worn with breathing apparatus.
9. All special equipment, such as flare ignition devices, H2S detector devices and breathing equipment must be carefully maintained in operating condition at all times.
10. Where H2S is known to be present, H2S drills will be conducted daily until all parties are satisfied that everyone is properly trained. Once this readiness is achieved, they can be alternated with other drills, but in no case shall they be held less than once a week in possible H2S areas.
11. The rig shall be equipped with an H2S detection system, with sensors located in areas where H2S is most likely to accumulate, such as the shaker pits, the mud pits, and the rig floor. The detection system shall activate a visual alarm light of H2S concentration reach 10 ppm, and an audible alarm shall sound when H2S concentration reaches 20 ppm.

Emergency Measures:

The following are procedures to follow when the presence of H2S is known or suspected:

1. The well shall be shut in and all personnel moved out of all low or enclosed areas, such as the cellar, mud pits, and shakers. If available, all personnel will don breathing apparatus sets.
2. Tests shall be made immediately using the portable toxic gas detector to verify the presence and concentration of the gas.
3. Personnel shall watch out for each other. Where possible they shall work in pairs.
4. Be aware that the lower explosive limit of H2S is 4.3% by volume (43,000 ppm), and in the event that concentrations threaten to approach that limit, all non-explosive proof electrical and flame producing equipment should be turned off to reduce the fire and explosion hazard. If H2S is combined with natural gas, the lower explosive limit will be lower.
5. If the presence of a potentially dangerous concentration of H2S is confirmed, personnel shall be evacuated to a high location, a safe upwind of the well.
6. If a man has been overcome, no one shall attempt to rescue him without first putting on a breathing apparatus; otherwise, the rescuer may also become a victim.
7. Never enter an enclosed place where H2S may have accumulated without wearing proper respiratory protective equipment. If the worker is over an arm's length away, a safety belt shall be secured to a life line and held by a responsible person who is in the clear.
8. The base office and nearby medical facilities shall be notified and standing by.
9. Warning notices shall be posted at the perimeter of the area, warning of the H2S danger.
10. If gas is burned during testing operations, a blue flame can be an indication of the presence of H2S. This must be tested to confirm the presence of H2S. If H2S is present, do not leave the flare unattended, as it must be shut down if it goes out.

Breathing Apparatus:

1. Every rig shall be equipped with at least ten (10) SELF CONTAINED BREATHING APPARATUS. The breathing apparatus shall be stored where they are readily accessible. Crews shall be trained in the use, care and cleaning of the apparatus.
2. Breathing apparatus shall be a positive pressure type unit. The air supply shall be rated as a thirty (30) minute supply; pressure shall be 2218 psig (15,300 kpa).
3. Units are to be stored with fully pressured cylinders. There shall be at least one spare, fully charged cylinder for each breathing apparatus or have immediately available the facility to recharge spent cylinders.

4. Breathing apparatus maintained for emergency use shall be inspected by a competent person at least every thirty (30) days or at the start of an operation, whichever comes sooner. The results of the inspection shall be recorded on the record card for that apparatus. The record cards are to be stored in the rig manager's office. When an apparatus is returned to the warehouse for servicing the record card shall be sent with the apparatus.

5. After each usage the apparatus is to be inspected, cleaned and sanitized. The rubber goods of the face piece are to be cleaned with warm detergent water and a stiff bristle type brush. After washing, the face piece is to be rinsed in clear water then sanitized. Sanitizing is to be done with a 10% solution of chlorine bleach, or other suitable sanitizing solution. (Scott face pieces should not be sanitized with bleach). The face piece is to be immersed in this solution for ten *(10)* minutes, rinsed in clear water and hung to dry. Do not hang to dry in direct sunlight. When the face piece is dry it should be stored in a closed plastic bag inside the breathing apparatus case.

6. When in an H2S environment, the most important item of safety equipment is the breathing apparatus. This equipment is worthless if it is not properly maintained or if personnel do not know how to use it. Breathing equipment usually consists of the self-contained type, with varying time limits, affording mobility to the wearer; and the cascade type, having a number of air hoses and masks manifolded to a battery of air cylinders. This type permits working for relatively long time periods, but restricts the wearer to a certain area. All respirators to be used in an H2S environment must be of the pressure-demand type.

7. All personnel must be knowledgeable in the proper use of both types of systems. Important considerations in the use of breathing apparatus include the following:

    a. Breathing equipment shall be inspected for serviceability and pressure checked before and after each use and at least monthly when not in use.
    b. Personnel must not wear eyeglasses or contact lenses with breathing equipment.
    c. In known H2S areas, personnel will not be allowed to wear beards and/or long side- burns, which prevent proper sealing of the face mask.
    d. All personnel must know the location of breathing equipment, know how to use it, and have easy access to it.

First Aid for Hydrogen Sulfide:

The deadlines and swiftness of the effects of H2S poisoning require IMMEDIATE first aid for H2S victims following these procedures; however, no rescue attempt should be made without first donning a breathing apparatus.

1. Remove victim immediately to a fresh air zone.
2. Maintain victim at rest and administer oxygen if available.
3. If patient is not breathing, begin artificial respiration immediately. Mouth-to-mouth resuscitation should be administered until an automatic resuscitation unit is available. Resuscitation of the victim should continue until either the victim begins breathing on his own, or until rigor mortis sets in.
4. Summon medic or doctor and arrange evacuation to medical facility.
5. Keep patient warm.
6. When breathing is restored, give patient stimulants such as tea or coffee, but DO NOT leave patient unattended.
7. If eyes are affected, wash thoroughly with clear water (for slight eye irritation); cold compresses will help.
8. Patients shall be kept under medical observation until the doctor declares them fit to return to work. If a victim is removed to fresh air and normal respiration is restored, rapid recovery may be expected.

In cases of slight or minor exposure where the crew member has not been totally unconscious and wants to return to work after a short rest period, duty shall be postponed until the following day. Reflexes may not have returned to normal and the person could be subject to injury from other work hazards.

When working in an H2S contaminated area, do not enter the area without the direction of a supervisor and the assistance of a safety back-up person. The safety back-up person is to maintain visual contact with the worker they are assigned to at all times. The safety back-up person should remain out of the contaminated area if possible but should be wearing a breathing apparatus.

Rescue Breathing:

If there is a casualty to H2S, the casualty must be removed to a fresh air environment as quickly as possible. The casualty should have rescue breathing started and CPR, if required, as soon as possible. If oxygen is available, after the casualty has started breathing on their own, oxygen should be administered. Oxygen should be administered by means of an inhalator. NO SMOKING IS PERMITTED WHEN OXYGEN IS IN USE.

4.5. Evacuation Procedure:

In the event of an emergency situation calling for an evacuation of the rig, under the instructions of the Drilling Supervisor, the Tool Pusher will coordinate the evacuation. The following points are guidelines for safe, efficient evacuation.

1. When possible, a safe briefing/muster site a safe distance upwind of the well bore will be designated for each well site. This information will be posted in the lease area information notice in the Tool Pusher's office. In any case, the muster point for evacuation should be upwind a safe distance for the prevailing emergency and weather conditions.
2. Each supervisor will be responsible for accounting for his workers and reporting the status to the Tool Pusher at the muster site. In the event a supervisor is missing, the Tool Pusher will account for those supervisors/ workers in the head count. The Tool Pusher is responsible for ensuring that all personnel who were present on the rig site are accounted for in an evacuation.
3. After accounting for all personnel the Tool Pusher will assess the emergency

situation, which necessitated the evacuation and the personnel requirements for dealing with the emergency. Personnel will be divided into three groups with corresponding actions as follows:

a. Unnecessary Personnel: Removed to camp or other remote muster point to stand by.

b. Back-up Team: Consisting of personnel necessary to maintain communication, coordination, and back-up of emergency contingency actions. These personnel will be stationed at the muster point/safe briefing area or other designated staging area a safe distance upwind of the well bore.

c. Emergency Response Team: Consisting of minimum personnel necessary to respond to the emergency at the rig site.

4. After assessing the situation and categorizing the personnel, the Tool Pusher will complete the Emergency Questionnaire and contact the Drilling Superintendent for consultation.

5. If local populations are endangered, the Tool Pusher will ensure that they are warned and provisions made to evacuate them to a safe haven.

4.6. Accidents:

Accident Investigation and Reporting guidelines and Procedures can be found in the SMS Manual. Additionally, all accidents and near misses involving rig-crew, Company personnel, Sub-Contractor or any third Party Personnel will be reported to Rig Manager & HSE Manager on the Incident/Accident Report form within 24 hours.

It is the responsibility of each individual to report to his supervisor any accident in which he is involved, no matter how minor it is. The supervisor in turn, must report all accidents to the Tool Pusher. The Tool Pusher will be responsible for reporting accidents to Rig Manager, Drilling Supervisor and HSE Manager at the Base office.

4.7. Medical Emergency Evacuation Plan:

Scope:

Any person requiring evacuation for emergency medical purposes from any field location to an alternate destination, which is deemed capable of providing the necessary medical care.

PURPOSE:

To define the job tasks required to perform an emergency medical evacuation of person(s) from any operations in Country of operation, when medical facilities at the work or living location are inadequate.

Injury Categories:

I. Unstable/Multiple Trauma - immediate medical support is needed.

II. Stable/Surgical/Serious Illness - patient can wait for 6 to 8 hours before medical treatment is required (fracture, appendicitis, etc.)

Procedures:

Local Hospital

1. All staff house or work locations in location of operation requiring emergency medical aid or evacuation of an injured or ill person, shall contact the Base Office controlling their area via the established contact list at each location.
2. Whenever an emergency medical situation arises, the on-site medical personnel shall respond immediately, in order to administer prompt medical aid, and to assess the situation for the need of additional medical support.
3. Whenever additional emergency medical support is required, the Company management will liaise with available medical personnel in the region to assess the patient and categorize the patient.
4. Any recommendation from family members as to the destination of the medical evacuation will be considered by the management, but the final decision will be a joint one between Rig Manager and local medical staff.

Recommended Disposition:

Category - I unstable/Multiple Trauma

- Evacuation to nearest city in operating area with emergency vehicle or ambulance for medivac.

Category II Stable/Surgical/Serious Illness

- Evacuation to the clinic by road/Ambulance Category II Stable/Non-Surgical/Minor Illness Treatment at rig by Medic/Doctor Medical advice can be made available by radio/telephone contact with local doctors.

Outline of steps to be taken

A. Tool Pusher and/or Drilling Supervisor

- Consults with rig's doctor/medic and confirms the need for a medical evacuation.
- Informs the Rig Manager and Drilling Manager of the need for a medical evacuation.
- Inform office by radio, contacts senior management and relates the details of the incident and the need to prepare for receiving a medical evacuation.
- Obtains the patient's name, extent of injuries and description of the accident.
- Completes the Accident Report Form.
- Checks that patient's personal effects and belongings are taken with him.
- Have the rig medic to be with patient during evacuation.
- Keep the radio on line until the patient leaves the rig site.

B. Rig Manager / Drilling Manager /HSE Manager

- Will provide whatever support is required by the field site.
- Distributes duties between HR Manager, Government Liaison Worker, Contract and Administration Manager.
- Will give details of evacuation/patient and the nature of the injury to the hospital clinic.
- Will arrange ground transportation as needed.
- Ensures that any medical equipment brought in from the rig on the ambulance is returned to the rig.

C. Administration Manager

Together contact all required Country of operation authorities to get necessary authorizations for:

- Admission in hospitals.

- Medical evacuation abroad - entry and or exit plus passport information for the patient, medical services, etc (In case of Expat Crew).
- Contacts airline companies for bookings, should regular flight evacuation be decided.

4.8. "MISSING VEHICLE/PERSON" Procedures:

1. Any company employee is classified as "missing" on any occasion when he has failed to report to his immediate supervisor within two hours of his estimated time of arrival at any location within the company's area of operation.
2. The Drilling Supervisor and/or the Tool Pusher, having satisfied himself that there is genuine cause for concern, will immediately initiate the necessary action for follow-up.
3. Telephone the base office for the operation. Inform the Drilling Manager.
4. When initiating a missing person report the following essential information must be included:

    - NAMES OF MISSING PERSONS
    - DATE, TIME, PLACE OF DEPARTURE
    - ESTIMATED DATE-TIME-PLACE THE PERSON (S) SHOULD HAVE ARRIVED AT
    - TYPE AND COLOR OF VEHICLE INCLUDING FLEET NO. IF APPLICABLE
    - QUANTITY OF WATER OR EMERGENCY RATIONS BEING CARRIED
    - IF VEHICLE FITTED WITH RADIO, WHAT TYPE, HF, VHF?
    - WHAT WAS THE PLANNED ROUTE?
    - SUPERVISORS OWN NAME AND TELEPHONE NUMBER

5. Under no circumstances should there be any delay in implementing this standard operation procedure.
6. Supervisors are held responsible for adhering to the procedure and therefore the responsibility is on them to ensure that all personnel within this area are FULLY familiar with it.
7. Please ensure that all personnel under your control are aware of the procedure.

Rig Site Emergency MISSING PERSONS Procedure:

1. Any personnel unaccounted for in an evacuation or emergency muster will be considered missing, or unable to extricate themselves from the existing dangers.
2. The Tool Pusher will assess the situation, complete the emergency questionnaire and notify the Drilling Supt.
3. The Tool Pusher will designate a rescue team consisting of first aid trained rig crewmembers and the rig medic to search for the missing personnel.
4. The rescue team will begin searching areas of the rig site that are safe to do so without endangering themselves. The rescue team will split up into groups of two persons each and search all areas possible for the missing persons. The rescue team will wear necessary protective equipment to ensure their safety, while search and rescue operations are ongoing (e.g. SCBA for H2S emergencies). Each group of rescuers will have a means of signaling the others to return to a predetermined muster point should the victim(s) be located (e.g.- plastic whistle, walkietalkie).
5. Once the victim(s) have been found, the team finding the victim will signal the other teams to return to a predetermined muster point. One of the team members will stay with the injured employee and begin emergency first aid while the other returns to the muster point to lead the other rescuers to the victim. If radio communications are used, both rescuers should stay with the victim(s) until the other rescuers arrive.
6. Emergency life support first aid shall be given to the victim(s) at the site to stabilize for stretcher transport to the camp clinic.
7. All missing person search and rescue operations will be carried out in compliance and coordination with procedures determined for the existing emergency (fire, H2S, etc.)

4.9. Natural Disaster:

The only natural disasters with any likelihood of occurrence at the rig site would include flooding blizzards.

General guidelines for a flood Contingency Plan are as follows:

1. Base Office and COMPANY - Operations management will advise the rig of impending conditions which would make flooding likely. Operations management will make the decision when to secure the well and rig and prepare for evacuation to

safe high ground.

2. The well will be secured according to COMPANY – on well securing procedures.
3. All loose ground level equipment that could be washed away in a flood, will be moved to higher areas (drill floor. top of mud pits, etc.) or securely tied to a heavy structure.
4. All buildings in camp and at rig site will be secured by tightly closing all windows, doors, hatches, vents, etc.
5. Unnecessary personnel will be evacuated to safe high ground as soon as evacuation order is given. Rig crew securing the well, rig and camp will be evacuated as soon as securing operations are completed, but no later than two hours prior to closing of evacuation routes.
6. The Drilling Supervisor and the Tool Pusher will coordinate well, rig and camp securing efforts.
7. The Drilling Manager, HSE Manager at Base Office and Rig Manager will coordinate the securing of evacuation point and evacuation transportation.
8. The rig vehicles will be evacuated in the first phase of the evacuation proceedings, if possible. If roads are already closed to ordinary vehicles, the rig vehicles will be moved to the highest possible ground near the rig.

4.10. Spill Prevention Control and Countermeasures Plan:

Design and Operations Information

A) The rig will always be so positioned or located as to prevent spilled oil from reaching water in so far as it is possible and practicable, and in all other instances the company will do what is necessary to minimize the risk of any such spillage.

B) The area around the substructure and tanks of the rig will be ditched and all said ditches and pits will be dug deep and large enough to accommodate the anticipated volumes of liquids encountered during drilling operations, as well as the capacity of the tanks, should a leak or rupture occur. In wet or marshy areas, dikes or levees will be constructed around the rig, tanks and pits to prevent any such oil from entering the water.

C) The rig will normally operate continuously. All systems will be constantly attended and watched. Unauthorized persons are not allowed around the rig and machinery. Lighting is to be sufficient and adequate to conduct operations and to observe systems, which might prevent pollution.

D) Oil or oily effluent from secondary containment will be hauled by trucks to a suitable disposal site.

E) Casing and BOP:

1) Before drilling any casing string or during work-over operations, a blowout prevention assembly and/or well control system shall be installed that is capable of controlling any well head pressure that is encountered while that assembly is on the well.

2) Casing and BOP installation and inspections are in accordance with state or other regulatory agency requirements.

F) In all instances, all applicable country state and local regulations will be adhered to in the setting up and the operation of said rig.

PRIMARY CONTINGENCY PLAN:

This rig will be fully equipped with primary and secondary containment, and diversionary structures will be provided. However, in the event of a flood or blowout, it could be possible that such oil could get into navigable water, particularly if the rig is so situated near such waters.

Check List:

1. An oil spill contingency plan is attached.
2. A written commitment of manpower is attached.
3. List type(s) of surface and other well control valves and devices used to maintain control of wells, showing

   (a) Method of activation and control, and

   (b) Description:

Contingency Plan In The Event Of An Oil Spill

A) Internal Alert Procedure

1. Immediately extinguish any heater or fire that may ignite the spill.
2. No smoking during spill control operations.
3. Close valves if dealing with a fuel line rupture.
4. Direct spillage to rig ditches or drains that will carry the oil to a safe holding sump or reserve pit.
5. Distribute hulls, fibertex, gel, barite and any other absorptive material on hand as required to contain oil, which cannot be directed to ditch.
6. Inspect area to insure that all oil is contained in ditches, cellar, sumps, or reserve pit. Add ditches, levees, dams, pits, and sumps as required to contain spill.
7. Start jets or sump pumps and transfer spilled oil from sumps to reserve pit or holding tanks.
8. After spill is stopped, collect all used hulls, fibertex, and similar materials for disposal as given prior instruction from the Drilling Superintendent. Insure that no oil is left in ditch, cellar, pit, or sump, which might constitute a fire hazard.
9. Hold spilled oil for disposal according to prior instruction from the Drilling Superintendent.
10. If oil has escaped from the rig containment, use the chemicals and equipment provided to emulsify, blot up, and recover oil spilled.
11. Notify Base Office of the spill, which will in turn inform the HSE Manager.

B) Procedures Used Outside The Immediate Work Area:

All personnel will respond to a spill in the immediate work area. However, is a spill occurs or migrates outside of the work area, the Tool pusher will notify the Company, and with the Company's directions and assistance, arrange for trained contract manpower and maintenance personnel to begin clean-up and containment procedures of any spill immediately.

C) Investigation Of Spill:

An investigation of the spill will be conducted by the Drilling Supervisor, Tool Pusher and HSE Manager/Officer to determine the cause of the spill recurrence.

OIL/GAS DRILLING AND WORKOVER REQUIREMENTS:

A) The blowout preventer assembly and well control system will be installed before drilling below any casing string. When working over a well, a BOP and well control system will be used when required.

B) Blowout preventer will be capable of controlling abnormal formation pressures and will be tested.

C) Casing and BOP installation will conform to all applicable state regulations.

D) Drip pans and other devices will be used when necessary to prevent pollution.

E) Tanks, ditches, levees, sumps, and pits will be properly inspected and maintained to prevent leakage.

In the event of a spill, the Driller and/or Tool Pusher shall take immediate steps to control or eliminate the source of the spill and notify the Drilling Supervisor. Clean up operations may then be put into effect.

SPECIAL INSTRUCTIONS FOR DRILLING SUPERVISORS AND/OR TOOLPUSHERS:

A) The area that you will conduct your operations is in compliance with the State Pollution Control Board regulations.

B) It is your responsibility to properly instruct all personnel as to their obligation to detect and prevent spills and to follow procedures to control a spill in the immediate work area. These instructions shall be in accordance with the regulations prescribed by the Environmental Protection Act (EPA) or as instructed by the Company.

C) The equipment used in the drilling operations shall be in proper working condition, of a size and quantity to adequately perform the described operation, and equipped with appropriate devices to prevent pollution.

D) You will not, under any circumstances, dispose of pollutants into any body of water.

E) If your personnel determine that a spill may occur, you are to take appropriate action to prevent the spill. If a spill occurs, you are to take the appropriate action as set forth in the plan and notify the Drilling Superintendent and the Company immediately.

F) You are to review and familiarize yourself thoroughly with the Environmental Management Plan of the Company.

G) Make certain that all personnel understand the importance of preventing oil spills.

Annexure-VI
Oil content in Drill Cuttings

ISO 9001, ISO 14001 & OHSAS 18001 Certified Company

Bhagwati Enviro Care Pvt. Ltd.

■ MOEF Recognized Laboratory ■ Enlisted with GPCB ■ Environmental Consultants, Auditors & Analyst ■ Specialized in REIA, EIA, EC, CPCB, registration, ZWTP, STP, APCM

Corporate Office :- 28, 29, 30, Parmeshwar Estate -II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382 445. Gujarat, India.
Tel. +91-79-40083051/52, 29295043, 25834567, 29295133 Fax. + 91-79-40083053 www.bhagwatienviro.com Email. bhagwatienviro@yahoo.com

TEST CERTIFICATE

Company Name and Address	
Mrs. Chetankumar Virchandbhai Shah C/o Pan India Consultants Pvt. Ltd 27, Siddharth Society, L.B.Hospital Road, Behind Upnagar Jain Derasar, Mehsana	Report No: BEC/PL/LAB/R/2015/863 Issue Date: 24/12/2015 Sample Ref No: BEC/PL/LAB/S/2015/0863 Customer's Reference: Verbal

Description of Sample:	Drill Cuttings	Quantity/No of Sample:	01(one) Nos
Date of Sampling:	19/12/2015	Sampling Procedure:	
Sample Receipt Date:	21/12/2015	Date of Performance of Test:	21/12/2015
Sample Submitted By:	Client	Packing / Seal:	Sealed
Test Parameter:	As per Table-2	Date of Completion of Test:	24/12/2015
Analysed By:	Mayur Solanki	Test Method:	Soil Analysis

Sr. no	Name of sample	Result	Unit
01	Oil & Grease	BDL	%

(Government Analyst)
Date: 24/12/2015

ISO 9001, ISO 14001 & OHSAS 18001 Certified Company

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ISO 9001, ISO 14001 & OHSAS 18001 Certified Company
Tel: +91-79-40083051/52, 29295043, 25834567, 29295133 Fax: +91-79-40083053 www.bhagwatienviro.com Email: bhagwatienviro@yahoo.com

TEST CERTIFICATE

Company Name and Address	
M/s. Chetankumar Virchandbhai Shah C/o Pan India Consultants Pvt. Ltd. 27, Siddharth Society, L.B.Hospital Road, Behind Upnagar Jain Derasar, Mehsana	Report No: BECPL/LAB/R/[illegible] Issue Date: [illegible] Sample Ref No: BECPL/LAB/S/[illegible] Customer's Reference: [illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	Sampling Procedure	
Sample Received On	[illegible]	Date of Performance of Test	[illegible]
[illegible]	[illegible]	Packing Status	[illegible]
[illegible]	[illegible]	Date of Completion of Test	[illegible]
[illegible]	[illegible]	Test Method	Soil Analysis

Sr. no	Name of sample	Result	Unit
01	[illegible]	BDL	%

(Government Analyst)
Date: [illegible]

ISO 9001, ISO 14001 & OHSAS 18001 Certified Company

Bhagwati Enviro Care Pvt. Ltd.

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Corporate Office :- 28, 29, 30, Parmeshwar Estate -II, Phase-I, Opp. AMCO Bank, GIDC Estate, Vatva, Ahmedabad-382 445. Gujarat, India.
Tel : +91-79-40083051/52, 29295043, 25834567, 29295133 Fax : +91-79-40083053 www.bhagwatienviro.com Email : bhagwatienviro@yahoo.com

TEST CERTIFICATE

Company Name and Address M/s. Chetankumar Virchandbhai Shah C/o Pan India Consultants Pvt. Ltd. 27, Siddharth Society, T.B.Hospital Road, Behind Upnagar Jain Derasar, Mehsana	Report No: [illegible] Issue Date: [illegible] Sample Ref No: [illegible] Customer's Reference : Verbal

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	Sampling Procedure	
Sample Receipt Date	[illegible]	Date of Performance of Test	[illegible]
[illegible]	[illegible]	Packing / Seal	[illegible]
[illegible]	[illegible]	Date of Completion of Test	[illegible]
[illegible]	[illegible]	Test Method	Soil Analysis

Sr. no	Name of sample	Result	Unit
01	[illegible]	BDL	%

(Government Analyst)
Date: [illegible]

Annexure-VII
Enterprise Social Commitment

॥ શ્રી મહાકાળી માતાય નમ: ॥

શ્રી મહાકાળી માતાજી દ્વિતીય મહોત્સવ

મુ. મેરવાડા, તા. ચાણસ્મા, જી. પાટણ

નં. : 251

તા. 03 - 10 - 2015

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હસ્તે Block - CB. ONV - 2010/5 મુ. -

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Annexure-VIII
Environment Management Cell

ENVIRONMENT MANAGEMENT CELL (EMC)

It is necessary to have a permanent organizational set up charged with the task of ensuring effective implementation of all identified mitigation measures. Conscious of this, **Pan India Consultants Pvt. Ltd.** (PICPL) has established an **Environment Management Cell** consisting of officers from various disciplines to coordinate the activities concerned with the management and implementation of the environmental control measures during proposed exploratory drilling and seismic survey. PICPL also developed a well-documented system to monitor and control pollution. The organization and responsibility of the **Environmental Management Cell** (EMC) is presented below in Figure 1.

Basically, this department undertakes monitoring of the environmental pollution levels by measuring fugitive emissions, ambient air quality, water and effluent quality, noise level etc., by appointing external agencies wherever necessary. In case, the monitored results of environmental pollution are be found to exceed the allowable values, the EMC suggests remedial action and gets these suggestions implemented through the concerned head of activities. EMC will also co-ordinate all the related activities such as collection of statistics w.r.t. health of workers, restoration of site, losses to crops and ecology and compensation.

Fig:1 ENVIRONMENT MANAGEMENT CELL

PICPL's environmental officer for investigation shall have the following responsibilities in general:

- Shall modify proposed EMP as described in Table 1 and monitoring plan as mentioned in Table 2 in line with the conditions stipulated by Ministry of Environment, Forest and Climate Change and GPCB.
- Thoroughly familiarize themselves with the existing information about habitat, sensitivities and baseline environment scenario etc. present in the study area, making use of the EIA report;
- If applicable, liaise with the contractor in order to develop a common understanding of the goals of the EMP during execution of various activities for completion of the proposed seismic survey and exploratory drilling;
- To work actively with the teams involved in vegetation clearing so as to identify any specific local areas of habitat sensitivity;
- In the event that a proposed activities impact on a habitat that is defined as 'sensitive area' but not described in the EIA report, then a brief account of the nature of the sensitive habitat, its physical dimensions and the area of the seismic survey and exploration drilling that would be affected by avoidance of habitat would be prepared. Besides, it would be discussed with the contractor's site manager as to how access to the site would be achieved without impacting on the sensitive habitat; etc.

Data shall be recorded with respect to type of land covered by seismic survey and well drilling sites to establish specific termination points, if possible. It is also recommended to appoint a community-facilitation officer who shall have the following responsibilities during planning and implementation phases;

- Identification of affected villages and individuals during planning and also making contact with village sarpanch and elder citizens and appraise them about the purpose and likely effect of their operation including Dos' and Don'ts during the survey by the nearby habitants;

- Inspection and documentation of the conditions preceding the survey and drilling in the area of operations to account for any permitting/operational damage which may occur through dialogue with the owners of the resources and village Head;

- Negotiation and agreement concerning asset inventories and payment of compensation as per land revenue records of land yields;

- Monitoring of project impacts and verification of damage to resources; and reporting to authority for remedial measure.

TRAINING

To achieve the objective of environment management, it is essential not only to provide best pollution control system but also to provide trained manpower resources to operate the same. Training facilities shall be in place for environmental control. This training shall cover the items listed below:

- Awareness of pollution control and environmental protection;
- Operation and maintenance of pollution control equipment;
- Knowledge of norms, regulations and procedures; and
- Occupational health and safety.

PICPL will ensure that workers prior to commencement of new assignments receive adequate training and information enabling them to understand the hazards of work and to protect their health from hazardous ambient factors that may be present. The training will adequately cover:

a) Knowledge of materials, equipment, and tools;

b) Known hazards in the operations and how they are controlled;

c) Potential risks to health;

d) Precautions to prevent exposure;

e) Hygiene requirements;

f) Wearing and use of protective equipment and clothing; and

g) Appropriate response to operation extremes, incidents and accidents.

A basic occupational training program and specialty courses will be provided as needed to ensure that workers are oriented to the specific hazards of individual work assignments. Training shall generally be provided to management, supervisors, workers, and occasional visitors to areas of risks and hazards. Training will also be provided to account for new or changed risks whenever procedures are altered, or new materials/equipment introduced. The salient features of the training program are as given hereunder:

- Employees will be trained on the hazards, precautions and procedures for the safe storage and handling of equipment /machinery, material etc. relevant to each employee's task and work area;
- Training will incorporate information from the Material Safety Data Sheets (MSDSs) for all material proposed to be handled;
- Personnel will be trained in environmental, health and safety matters including accident prevention, safe lifting practices, the use of MSDSs, safe chemical handling practices, and proper control and maintenance of equipment and facilities;
- Training will also include emergency response, including the location and proper use of emergency equipment, use of personal protective equipment, procedures for raising the alarm and notifying emergency response teams, and proper response actions for each foreseeable emergency situation;

- Training will be repeated periodically and supported by feasible incentives;
- Workers with rescue and first-aid duties will receive dedicated training so as not to inadvertently aggravate exposures and health hazards to themselves or their co¬workers.; and
- PICPL through appropriate contract specifications and monitoring shall ensure, that service providers, as well as contracted and subcontracted labor is appropriately trained before start of their assignments.

RECORD KEEPING

Records of significant environmental matters, including monitoring data, accidents and occupational illnesses, and leaks/spills, fires and other emergencies will be maintained; and Recorded information will be reviewed and evaluated to improve the effectiveness of the environmental, health and safety program.

Table:1 Environment Management Plan During Exploratory Drilling of Wells having primary responsibility to the EMC of Operator.

S. No	Component	Main Source of Risk	Mitigation Measures
1	Land Use	· Site selection · Acquisition of land on for exploratory drilling and access road · Preparation of site and access road.	Consult local authorities and other stakeholders regarding preferred location for drilling sites, camps and access/ maximize use of existing infrastructure. Where possible use existing road/water infrastructure. • All necessary protocols shall be followed, and legal requirements shall be implemented with respect to local regulation pertaining to use of land; • Mark out the site boundaries to ensure that land taken is restricted to pre-agreed area; • Minimize the disturbance of vegetation present in and around area proposed to be used, if any; • Minimum utilization of land and clearing of site; • Initially land shall be taken on temporary basis and shall be returned back to owner after restoration, in case no economic findings of petroleum hydrocarbons otherwise shall be acquired for development and production activities; • In-house audit before and after exploratory drilling: etc
• 2	• Ecology	• Preparation of site and access road • Mobilization and demobilization of drilling rig and others; • Test flaring; • Camp site; etc.	• Siting to minimize impacts on water resources, conservation interests, settlement, agriculture, sites of historical and archaeological interest and landscape. Consider using site that has been cleared/disturbed previously or of low ecological value, or which may be more easily restored, e.g., agricultural land; • Choose site to encourage natural rehabilitation by indigenous flora/avoid removal of vegetation and topsoil/preserve topsoil, and seed source for decommissioning.

S. No	Component	Main Source of Risk	Mitigation Measures
			• Mark out site boundaries; • Avoid uprooting vegetation to the possible extent; • Take account of topography, natural drainage and site runoff. Ensure adequate and proper drainage. • Ensure proper handling and storage of fuels and hazardous materials • For cleared areas, retain top soil in stockpile where possible on boundary of drilling site for subsequent re-spreading onsite during restoration; • Retain vegetation on edge of site to serve as seed bank for future site revegetation during restoration; s Minimize cleared area and size of site/maximize perimeter to area ratio to aid natural re-vegetation. • Use hand cutting to clear vegetation initially—where necessary be selective in using machinery. • All bulldozer operators involved in site preparation shall be trained to observe the defined site boundaries; s Kerosene oil/LPG shall be used for domestic purpose; • Distance in case of test flaring as suggested in Chapter-6 shall be maintained; • Initially land shall be taken on temporary basis and shall be returned back to owner after restoration, in case no economic findings of petroleum hydrocarbons otherwise shall be acquired for development and production activities; • In-house audit before and after exploratory drilling operation: etc
3	Water Resources	Preparation of site and access road Mobilization and demobilization of drilling rig and others; Drilling and completion of well Camp site Decommissioning & Restoration	• Siting to minimize impacts on water resources; • Avoid areas prone to flooding; s Where water courses and aquifers are deemed sensitive, consider a fully sealed site, avoid use of mud pits, preferentially use steel tanks, but if used must be lined. Pits if used must be lined; • Consider aquifer protection and proper plugging; • Adequate water supply arrangement will be made at drilling site and camp site; • Continuous attempt will be made to avoid wastage and leakage of water; s Continuous attempt will be made to optimize/reduce the use of water;. s Drilling shall not be carried out during monsoon season; • If an aquifer is breached, the drilling crew can cement the hole to prevent leakage. • Toilets and bathrooms on temporary basis will be provided at camp site; and s In-house audit before and after exploratory drilling: etc
4	Air Emissions (Dust and gaseous emission)	Preparation of site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic	• Emission from flaring of petroleum hydrocarbons, DG sets and other machinery shall confirm the standards as prescribed; • Well testing (flaring) to be undertaken so as to minimize impacts of emissions: • duration of testing minimized by careful planning; and o high combustion efficiency, smokeless flare/burner to be used • Any dry, dusty materials (chemicals, construction

S. No	Component	Main Source of Risk	Mitigation Measures
		movement Camp site Decommissioning & Restoration	materials etc) shall be stored in sealed containers and fenced storage yard; • Detectors for CH4 and H2S shall be placed at adequate locations; • Arrangement of water spray at drilling site and access road to the possible extent shall be made; • Preventive maintenance of vehicles and machinery; • Regular testing of the combustion efficiency of the vehicles/machinery; and • Regular monitoring and In-house audit as per details given in this chapter.
5	Noise and Vibration	Preparation of drilling site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic movement Camp site Decommissioning & Restoration	• Selection of low noise generating machinery/equipment; • Engineering specifications for machinery/equipment shall be stipulated during tendering as a condition for contractor to maintain noise level not more than 85 dB(A) at 1 m from each source; • Provision of rubber padding/noise isolators/silencers to modulate the noise generated by machinery/equipment, wherever possible; • Use experienced and skilled personnel; • Train personnel of standard operating procedures for handling and shooting of explosives; • The high noise zones within ROW shall be demarcated and temporary enclosures & barriers, if required shall be provided; • Provision of protective devices like ear muff/ plugs to the workers; • Preventive maintenance of machinery/equipment and vehicles; • All employees shall be encouraged to cooperate in using agreed safe work practices; • Information on noise, the risks of exposure to noise and the appropriate control measures shall be disseminated in a manner appropriate to the workplace; All employees shall receive appropriate training and education as and when required; • In no case, workers shall be exposed more than 85 dB (A) at 1m from source; • Regular monitoring and In-house audit as per details given in this chapter; etc.
6	Water Quality	Preparation of drilling site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic movement Camp site Decommissioning & Restoration	• Incorporate drainage and minimize disturbance to natural drainage patterns. Engineer slopes and drainage to minimize erosion. Design for storm conditions/ensure offsite natural runoff does not wash over site/use perimeter drainage ditches. • Aqueous discharges. Exploration sites rarely incorporate sophisticated effluent treatment systems, proper drainage system or collection pits shall be provided for transportation/collection of waste water and adequate treatment shall be provided before discharge, if any; • All the debris resulting from the site shall be isolated from the waste water and disposed off separately; • Seal bund and ensure proper drainage of machinery

S. No	Component	Main Source of Risk	Mitigation Measures
			areas, fuel and chemical storage, and mud mixing areas. • Provide base material compatible with local ground conditions. Hard core should be laid on geo-textile membrane. Avoid concreting sites. • Protect water courses from contamination and siltation. • Protect groundwater from drill stem penetration and shallow aquifers from possible site contamination. • Where water courses and aquifers are deemed sensitive, consider a fully sealed site, avoid use of mud pits, preferentially use steel tanks, but if used must be lined. Pits if used must be lined. • Mud and burn pits, if used, must have adequate contingency capacity especially in areas of high rainfall, and must be fully lined and bunded. • At camp site, effective bunds capable of containing 110% of the volume of the largest container within and enclosing all potentially contaminating materials to be used for fuel lubricants and chemicals storage area; • Non-contaminated and potentially contaminated run-off will be kept separately. Non-contaminated run-off b will be routed to off-site areas via silt traps. Potentially contaminated surface run-off shall be routed through oil traps; • The storage areas will be inspected and cleaned at regular intervals; • Oil drip pans shall be used wherever there is significant potential for leakage including, but not limited to; • Electric generator engine, DG sets, earth moving machinery/equipment etc o Compressors, pumps or other motors • Maintenance areas o Fuel transfer areas. • All spills/leaks to be contained, reported and cleaned up immediately; • Oil absorbent /spill containment material to be deployed to contain large spills; • Adequate sanitary facilities shall be provided; • Minimize suspended solids loads to watercourses by installing appropriate surface run-off drainage systems (e.g., silt traps); • No untreated discharge to be made to water course/land; and • Regular monitoring and In-house audit as per details given in this chapter.
7	Soil and Solid wastes	Preparation of access road and clearing of drilling site Mobilization and demobilization of drilling rig and others Drilling and completion of well Operation of DG sets	• Soil Erosion • Minimize area and extent of site clearance, by staying within defined boundaries; • Stockpile of topsoil wherever possible at the edge of site; • Limit erosion potential/avoid steep slope and drainage courses/avoid cut and fill techniques/incorporate proper drainage, culverting and bridging techniques; • Avoid removing undergrowth where possible so as to retain land stability;

S. No	Component	Main Source of Risk	Mitigation Measures
		Traffic movement Camp site Decommissioning & Restoration	• Fuel, Lubricants and Chemical Management • All fuels, lubricants, surface treatment materials, welding rods/ gases, chemicals etc to be placed in controlled storage i.e. properly fenced area and in clearly marked vessels and containers; • Storage and liquid impoundment areas for fuels, construction materials, solvents, chemicals and waste should be designed with secondary containment (e.g., dykes and berms) to prevent spills and the contamination of soil, groundwater, and surface waters; • Impervious liners shall be in place for fuel, lubricants and chemicals storage area; • Impervious liners shall be in place for pits for storage of drill cutting and mud; • Effective bunds capable of containing 110% of the volume of the largest container within and enclosing all potentially contaminating materials to be used for fuel lubricants and chemicals storage area; • Non-contaminated and potentially contaminated run-off will be kept separate. Non-contaminated run-off will be routed to off-site areas via silt traps. Potentially contaminated surface runoff shall be routed through oil traps. • In-house audit shall be carried out before and after exploratory drilling operation.
8	Disturbance to community resources & safety	Preparation of site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic movement Camp site Decommissioning & Restoration	• Advance notice to local administration about the activities; • Minimize use of roads by planning vehicle movements • Advise traffic police of activities; • Proper cordon off the site with sign boards; • Adequate communication with locals which may be impacted during exploratory drilling; • Diversion of traffic, if required; • Placing the warning board on the vehicles during transportation of machinery and materials; • Proper training to drivers about public safety. • Spray down dirt roads if too dusty; • In-house monitoring and audit; etc
9.	Employment and Socio economic	Loss to local habitants due to land acquisition on temporary/permanent basis Direct and indirect employment Loss due to test flaring Utilization of local available resources	• Preference shall be given to locals for temporary direct and indirect employment; • Local employment (unskilled) should be provided in a manner, giving fair representation to all section; • Where ever local skilled labour is available, should be preferred to be hired for the respective job; loss to locals, adequate compensation shall be provided as per the law or on mutually agreed terms; • Third part audit after completion of activities; • Local suppliers for machineries and construction materials shall be given preference; • Local transporters shall be preferred for transportation of machinery/materials. • Close monitoring on the type of loss to local habitats, if any. In case of any

S. No	Component	Main Source of Risk	Mitigation Measures
10.	Culture, Aesthetics and Archaeological sites	Preparation of site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic movement Camp site Decommissioning & Restoration	• Culture • Discourage interaction of outsiders with locals, however if any issue arises, Senior officials of PICPL/Contractor should communicate with the elders/sarpanch of village and settle down the issue; • All workers should respect the local norms of communities.; • Control workforce activities, e.g. hunting, interaction with local population. Purchase food from recognized local suppliers, not directly from local people without evaluating implications. • Monitoring and control of activities of work force that may affect women in the villages; • No interruption to culturally important sites . • Contractor should not utilize the local villages drinking water resources and must not damage the existing infrastructure. • Community complaint registers must be placed at site and all complaints to be documented and strict compliance to be undertaken. • Consultations with locals must be done by the contractor before making access roads. • Aesthetics • Strict compliance to Environment Management Plan (EMP) ; • Camp should be constructed away from sensitive habitats. • Archaeological sites • o Immediately cordon off the area in case of new discovery of archaeological sites. Contact local administration, police and cultural and archaeological departments and handover the site to these departments.
11	Occupational Health & Safety	Preparation of site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic movement Camp site Decommissioning & Restoration	• Due care shall be taken to maintain continuous water supply in the water spraying system and all efforts would be made to suppress the dust generated during drilling operation to the possible extent; • Any worker found to develop symptoms of dust related diseases will be changed over to other activities in cleaner areas; • • • General Safety Measures • Employees will be provided with helmets, safety boots, eye and ear protection, and snug fitting gloves as appropriate; • Masks and dust-proof clothing will be provided to personnel; and • Procedures will be strictly enforced for the drilling, storage, handling, and transport of explosives, flammable and hazardous materials • General Health Measures • Sanitary facilities will be well equipped with supplies and employees will be encouraged to wash frequently,

S. No	Component	Main Source of Risk	Mitigation Measures
			particularly those exposed to dust, chemicals or pathogens; • Personnel required to work in areas with high humidity will be allowed to take frequent breaks away from these areas; and • Pre-employment medical examinations of all personnel will be made mandatory for contractor
12	House keeping	Preparation of site and access road Mobilization and demobilization of drilling rig and others Drilling and completion of well Test flaring Operation of DG sets Traffic movement Camp site Decommissioning & Restoration	• The facilities should be kept clean, maintained, and operated in a safe and environmentally sound manner; • Facilities should be cordoned off in a manner to prevent access to the facility by the general public, livestock, where appropriate. • Signs should be posted in conspicuous locations to notify employees and the public of any dangerous situations such as, flammable conditions, high voltage, and toxic. • All equipment should be painted and/or kept clean to present an acceptable appearance and to provide protection from external corrosion. • Waste receptacles should be provided at appropriate locations for collecting discarded paper, rags, etc. and emptied on a regular basis.

Table: 2 : Environment monitoring plan during Exploratory Drilling

S No.	Component	Parameter	Locations	Frequency
1	Ambient air	PM10, PM25 SO2, NOx, CO, H2S and HC (methane and nonmethane)	1-2 locations at drilling site of well and nearest habitation of well site	12 hourly samples twice during drilling of each well
2	Waste water	for relevant parameters	At drilling site of well	Once during drilling phase
3	Noise Level	Hourly Leq	3-4 locations at the boundary of the drilling site well and nearest habitation	Continuously during working hour, twice in a week during drilling phase
4	Drilling Cutting for toxicity	for relevant parameters	At drilling site of well	Once during the during drilling phase
5	Drilling Fluid for toxicity	for relevant parameters	-	At the time of disposal

Annexure-IX
CTO & Compliance

GPCB

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar 382 010
Phone : (079) 23222425
(079) 23232152
Fax : (079) 23232156
Website : www.gpcb.gov.in

BY RPAD

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule See rule 6 (2) of the Hazardous Waste (Management and Handling and trans boundary Movement)Rules 2016 framed under the Environmental (Protection) Act-1986.

And whereas Board has received consolidated consent application vide No 147302 Dated 05/12/2018 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consent & Authorization is hereby granted as under.

CONSENTS AND AUTHORISATION:
(Under the provisions /rules of the aforesaid environmental acts)

TO,
M/S. Pan India Consultants Pvt.Ltd (Well 1-B And Id-3),
R.S. No: 42, 44, ,
Village: Sunsar
R.S No: 732, 731, 730, 729/1, 3129/1
Village: Chaveli.
Ta: Chanasma, Dist: Patan.

1. Consent Order No.: AWH – 99031 date of Issue: 29/01/2019.

2. The consents shall be valid up to 04/12/2023 for the use of outlet for the discharge of treated effluent & air emission and to operate industrial plant for manufacture of the following items / products:

Sr. No.	Product	Quantity
1	Drilling of Exploratory wells 2 Nos (well-1B & Well-1D3)for oil/gas Exploration at different location in the block CB-ONN-2010/05	---

Specific Condition: Unit shall have to Comply with all the condition of E.C. obtained from competent authority.

3. CONDITIONS UNDER THE WATER ACT:

3.1 The quantity of trade effluent from the industrial plant shall not exceed 17 KL/day (For 2 Wells) and the generated waste water shall be collected into HDPE lined pit at site and same shall be solar dried..
3.2 The quantity of sewage wastewater from the factory shall not exceed 2.5 KL/day.
3.3 Sewage wastewater shall be disposed off through septic tank / soak pit system.

4. CONDITIONS UNDER THE AIR ACT:

4.1 The following shall be used as fuel.

Sr. No.	Fuel	Quantity
2	Diesel	20 Lit/Hr

4.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.

4.2.1 The flue gas emission through stack shall conform to the following standards;-

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control Measures	Parameter	Permissible Limit
1.	D.G.Set 3 Nos (350-400 KVA)	10 meter each	---	Particulate Matter SO_2 NO_x	150 Mg/NM^3 100 ppm 50 ppm

4.2.2 There shall be no process gas emission from Mfg process & other ancillary operation.

4.2.3 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder.

PARAMETER	PERMISSIBLE LIMIT ANNUAL
Suspended particulate matter	200 Microgram per Cubic meter
Oxides of Sulphur	80 Microgram per Cubic meter
Oxides of Nitrogen	80 Microgram per Cubic meter
CO	5000 Microgram per Cubic meter
HC AS CH4	160 Microgram per Cubic meter

4.3. The applicant shall install & operate air pollution control equipment Very efficiently and continuously so that the gaseous emission always conforms to the standards specified in Condition no. 4.2.1 & 4.2.3.

4.4 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition no. 4.2.1 & 4.2.3 above.

4.5 The applicant shall at his own cost get samples of emission Collected and analyzed from an approved laboratory once in Every three months for the parameters indicated in condition No. 4.2.1 & 4.2.2,and shall submit in duplicate the report there of to the Board by the 10th of the succeeding month. The applicant shall also maintain records of the analytical Results properly and shall keep these records/charts open for inspection.

4.6 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

4.7. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(A) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

Sr No	Category of hazardous waste as per the schedules I , II and III of these rules	Authorizes mode of disposal or recycling or utilization or co-processing etc.	Quantity
1	Schedule-1 Category-2.1 Drill Cuttings those from Water based mud	As per MoEF guidelines	500 MT/Annum
2	Schedule-1 Category-5.1 Used or Spent Oil	Disposal by selling to registered recycler	3.0 MT/Annum
3	Schedule-1 Category-2.3 Drilling mud & other Waste Water	Sun dried in HDPE Liner & reused	800 MT/Annum

6 2 The authorization is granted to operate a facility for collection, storage, encapsulation, incineration, treatment within the factory premises transportation and ultimate disposal of Hazardous waste as above.

6 2 The authorization shall be in force up to **04/12/2023**.

6 3 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

6.4 TERMS AND CONDITIONS OF AUTHORISATION:

a) The applicant shall comply with the provisions of the Environment (Protection) Act - 1986 and the rules made there under.

b) The authorisation shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.

c) The persons authorized shall not rent, lend, sell, and transfer of otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.

d) Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorisation order by the persons authorized shall constitute a breach of this authorisation.

e) It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.

f) An application for the renewal of an authorisation shall be made as laid down in rule 5 (6) (ii).

g) Industry shall have to manage waste oil, discarded containers etc as per Amended Rules-2003 and shall apply per Amended Rules-2003 with 15 days.

h) Industry shall submit annual report within 15 days and sub squinty by 31st January every year.

7. <u>GENERAL CONDITIONS</u>: -

7.1 The waste generator shall be totally responsible for (I.E. Collection, storage, transportation and ultimate disposal) of the wastes generated.

7.2 Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form – 4 by 30th June of every year.

7 3 In case of any accident, details of the same shall be submitted in Form – 5 to Gujarat Pollution Control Board.

7.4 As per "Public liability Insurance Act – 91" company shall get Insurance policy, if applicable.

7.5 Empty drums and containers of toxic and hazards material shall be treated as per guideline published for "management & handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.

5. **GENERAL CONDITION:**

5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

5.2 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station, Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body. In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/ measures shall be implemented immediately to bring entire situation normal.

5.3 All the effluent treatment units shall be operated and maintained efficiently so that the treated effluent always conforms to the specifications referred in condition no. 3.3 above.

5.4 In order to enable the board to perform its functions of ascertaining the standards of effluent laid down by it for the discharge of the effluent under the condition no. 3.3 of this order are complied with by the company while causing discharge of effluent, the applicant shall have to submit every month the analysis report of the samples of effluent got collected and analyzed by one of the laboratories recognized by the state Board.

5.5 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other Conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These Cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.

5.6 The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this state Board latest by 30th September every year.

For Elevated/Ground Flares:

a) Cold venting of gases shall never be resorted to and all the gaseous emission are to be flared.

b) All flaring shall be done by elevated flares except where there is any effect on crop production in adjoining areas Due to the flaring .In such cases, one may adopt ground flaring.

c) In case of ground flare, to minimize the effects of Flaring he flare pit at GGS/OCS and GCS shall be made of RCC surrounded by a permanent wall (made of refractory Bricks) of minimum 5 m height, to reduce the radiation and glaring effects in the adjoining areas.

d) A Green belt of 100 m width may be developed around the flare after the refractory wall in case of ground flaring.

e) In the ground flaring with provision of green belt is not Feasible. enclosed ground floor system shall be adopted and be designed with proper enclosure height ,to meet the ground level consentration requirement.

f) Burning of effluent in the pits shall not ne carried out at any stage.

g) The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with section 27 of the ACT.

h) In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.

6. **Authorization for the Management & Handling of Hazardous Wastes Form-2 [See rule 6 (2)] Form for grant of authorization for occupier or operator handling hazardous waste.**

6.1 **M/s Pan India Consultants Pvt.Ltd (Well 1-B And Id-3),** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **R.S. No: 42, 44, Village: Sunsar, R.S No: 732, 731, 730, 729/1, 3129/1, Village: Chaveli, Ta: Chanasma, Dist: Patan.**

7.6 In no case any kind of hazardous waste shall be imported without prior approval of appropriate authority.

7.7 In case of transport of hazardous waste to a facility for (I.E. Treatment, Storage and disposal) existing in a state other than the state where hazardous waste are generated, the occupier shall obtain "No Objection certificate" from the state pollution Control Board, the Committee of the concerned state or Union territory Administration where the facility exists.

7.8 Unit shall take all concrete measures to show tangible results in waste generation reduction, voidance, reuse and recycle. Action taken in this regards shall be submitted within three months and also along with Form – 4.

7.9 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon Supreme Court's order in W.P. No.657 of 1995 dated 14th October 2003.

7.10 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous waste generated within the factory premises.

For And On Behalf Of
Gujarat Pollution Control Board

(M.V.Patel)
Environment Engineer

NO: GPCB/ CCA/PTN-185/ ID 55781/ 492434, 15/02/2019

ISSUED TO:
M/S. Pan Indla Consultants Pvt.Ltd (Well 1-B And Id-3),
Plot No: 42, 44, 732, 731, 730, 729/1, 3129/1,
Village: Sunsar and Chaveli.
Ta: Chanasma, Dist: Patan.

YEARLY COMPLIANCE REPORT
OF
ENVIRONMENTAL CLEARANCE

Consortium of Pan India Consultants Pvt. Ltd
Office No. 1, D-4,
Commercial Area , Vasant Kunj
New Delhi

Submitted to:

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan,
E-5 Area Colony, Link Road-3,
Ravishankar Nagar, Bhopal – 462016

Submitted By:

Environmental, Health & Safety Dept.
Consortium of Pan India Consultants Pvt. Ltd
Office No. 1, D-4,
Commercial Area , Vasant Kunj
New Delhi

For 2016-17

PAN INDIA CONSULTANTS PVT. LTD.

CORPORATE OFFICE : 105, PHASE IV, UDYOG VIHAR, GURGAON-122015, HARYANA, INDIA
PHONES : +91 124 2343882, 2343883, 4300959 FAX : +91 124 2346646, 2342880
E-mail : nmspl@panindiagroup.com E-mail : panind@panindiagroup.com

Dated: 10th June 2017

Director,
Regional Office, Western Region,
Kendriya Paryavaran Bhavan, E-5
Ravishankar Nagar,
Bhopal- 462016

Sub: Yearly compliance report and intimation for start of drilling on exploratory drilling and Seismic Survey for four wells in block CB-ONN-2010/5 at district Patan Gujarat by M/S Consortium of Pan India Consultants Pvt. Ltd.

Ref: Environment Clearance (EC) letter no. J-11011/276/2014-IA-II(I) dated 28.03.2016

Dear Sir,

This has reference to Ministry of Environment, Forest and Climate Change (MOEF), Govt. of India Environment Clearance (EC) letter no. J-11011/276/2014-IA-II(I) dated 28.03.2016 and subsequent to our earlier communications..

Please find attached copy of yearly EC compliance report with necessary reports/annexures for your reference.

Thanking you,

Yours Sincerely,

For Pan India Consultants Pvt. Ltd. (Operator of the block CB-ONN-2010/5)

Ajay K Malhotra
Executive Vice President

1. Ministry of Environment & Forests, Government of India, Indira Parayavaran Bhavan, Jor Bag Road, Jor Bagh, New Delhi 110003
2. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector-10A, Gandhi Nagar, Gujarat.
3. Regional officer, Regional Centre, GPCB, Palanpur, 3rd Floor, Jilla Seva Sadan-2, Joravar Palace, Palanpur, Gujarat- 385001

REGD OFFICE : OFFICE NO. 1, D-4, COMMERCIAL AREA, VASANT KUNJ, NEW DELHI- 110070, INDIA
PHONES : +91 11 26137652, 26137659 FAX : +91 11 26138633 E-mail : nmspl@panindiagroup.com
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E mail: nmspl@panindiagroup.com, panind@panindiagroup.com Website: www.panindiagroup.com

Dated: 18th Oct 2018

Director,
Regional Office, Western Region,
Kendriya Paryavaran Bhavan, E-5
Ravishankar Nagar,
Bhopal- 462016

Sub: Yearly compliance report for activities in PEL Oil Block CB-ONN-2010/5 at district Patan Gujarat by M/S Consortium of Pan India Consultants Pvt. Ltd.

Ref: Environment Clearance (EC) letter No. J-11011/276/2014-IA-II(I) dated 28.03.2016

Dear Sir,

This has reference to Ministry of Environment, Forest and Climate Change (MOEF), Govt. of India Environment Clearance (EC) letter no. J-11011/276/2014-IA-II (I) dated 28.03.2016 and subsequent to our earlier communications.

Please find attached copy of yearly EC Compliance Report for the period of 2017-18.

Thanking you,

Yours Sincerely,
For PAN INDIA CONSULTANTS PVT. LTD. (Operator of the block CB-ONN-2010/5)

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar, Gurgaon -122015 (Hr.)

AJAY K MALHOTRA
EXECUTIVE VICE PRESIDENT

C.C. 1. Ministry of Environment & Forests, Government of India, Indira Parayavaran Bhavan, Jor Bag Road, Jor Bagh, New Delhi 110003.
2. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector-10A, Gandhi Nagar, Gujarat.
3. Regional Officer, Regional Centre, GPCB, Palanpur, 3rd Floor, Jilla Seva Sadan-2, Joravar Palace, Palanpur, Gujarat- 385001.

YEARLY COMPLIANCE REPORT
OF
ENVIRONMENTAL CLEARANCE 2017-18

Consortium of Pan India Consultants Pvt. Ltd
Office No. 1, D-4,
Commercial Area, Vasant Kunj
New Delhi

Submitted to:

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan,
E-5 Area Colony, Link Road-3,
Ravishankar Nagar, Bhopal – 462016

Submitted By:

Environmental, Health & Safety Dept.
Consortium of Pan India Consultants Pvt. Ltd
Office No. 1, D-4,
Commercial Area, Vasant Kunj
New Delhi – 110 070

PAN INDIA CONSULTANTS PVT. LTD.

CORPORATE OFFICE: 105, PHASE IV, UDYOG VIHAR, GURGAON - 122015, HARYANA, INDIA
PHONE: +91 124 2343882, 2343883, 4300959 FAX: +91 124 2346646, 2342880
E mail: nmspl@panindiagroup.com, panind@panindiagroup.com Website: www.panindiagroup.com

Dated 25 May 2019

Director,
Regional Office, Western Region,
Kendriya Paryavaran Bhavan,
E-5 Ravishankar Nagar,
Bhopal- 462016

Sub: Yearly compliance report for activities in PEL Oil Block CB-ONN-2010/5 at district Patan Gujarat by M/S Consortium of Pan India Consultants Pvt. Ltd.

Ref: Environment Clearance (EC) letter No. J-11011/276/2014-IA-II(I) dated 28.03.2016

Dear Sir,

This has reference to Ministry of Environment, Forest and Climate Change (MOEF). Govt, of India Environment Clearance (EC) letter No. J-11011/276/2014-IA-II(I) dated 28.03.2016 and subsequent to our earlier communications.

Please find attached copy of yearly EC Compliance Report for the period of 2018-19.

Thanking you,

Yours Sincerely,
For PAN INDIA CONSULTANT PVT. LTD. (Operator of the block CB-ONN-2010/5)

NARESH AGARWAL
GENERAL MANAGER

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

C.C.

1. Ministry of Environment & Forests, Government of India, Indira Parayavaran Bhavan. Jor Bag Road, Jor Bagh, New Delhi 1 10003.
2. The Chairman, Gujarat State Pollution Control Board. Paryavaran Bhawan. Sector- 10A, Gandhi Nagar, Gujarat.
3. Regional Officer, Regional Centre, GPCB, Palanpur, 3rd Floor, Jilla Seva Sadan-2. Joravar Palace, Palanpur, Gujarat- 385001.

Yearly Compliance Report
Of
Environmental Clearance 2018-19

Consortium of Pan India Consultants Pvt. Ltd
Office No. 1 D-4
Commercial Area, Vasant Kunj
New Delhi-110070

Submitted to;
Additional Principal Chief Conservator of Forest (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ), E-5, Kendrya Paryavaran Bhawan,
E-5 Area Colony, Link Road-3
Ravishankar Nagar, Bhopal-462016

Submitted by
Environmental, Health & Safety Dept.
Consortium of Pan India Consultants Pvt. Ltd
May 2019

Annexure-X
Compliance (Form-V)

PAN INDIA CONSULTANTS PVT. LTD.

OIL BLOCK NO. CB-ONN-2010/5
SITE. OFFICE: I SHAYMKUTIR, NEAR RAJDHANI TOWNSHIP, RADHANPUR ROAD,
MEHSANA-384002, CIN - U74899DL1985PTC021177
E mail : nmspl@panindiagroup.com, E mail : panind@panindaigroup.com

PCB ID: 55781

Date: May 22, 2019

To,
The Regional Officer,
Gujarat Pollution Control Board,
Palanpur

Sub: Submission of Environmental Statement (Form – V) for the year 2018 – 2019

Dear Sir,

We are submitting Environmental Statement duly filled in prescribed Form – V with all relevant details for the year 2018 – 2019.

Thanking you and assuring you our best co-operation always.

Sincerely yours,
For **PAN INDIA CONSULTANTS PVT. LTD.**

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

NARESH AGARWAL
GENERAL MANAGER

Enclosures:
1. Form – V.

FORM – V
(SEE RULE 14)

From:
M/s. Pan India Consultants Pvt. Ltd (Well 1-B And Id-3),
PLOT NO:42, 44, 732,731, 730, 729/1, 3129/1,
village: Sunsar and Chaveli.

To,
The Regional Officer,
Gujarat Pollution Control Board,
Palanpur.

Environmental Statement for the financial year ending on the 31st March, 2019.

PART – A

(i)	Name & Address of the owner/occupier of the Industry operation or process	: **Mr. Darshan Singh (Well 1-B And Id-3), PLOT NO:42, 44, 732,731, 730, 729/1, 3129/1, village: Sunsar and Chaveli.**
(ii)	Industry category Primary - (STC Code) Secondary - (STC Code)	: **large Scale Industry**
(iii)	Production Capacity – Units	: Exploratory Drilling of Two Wells for Oil-Gas Exploration within the allocated Block CB-ONN-2010/5 – Drilling Activity is in progress, production not started
(iv)	Year of establishment	: **October 2017**
(v)	Date of the last environmental statement	: **Not Applicable**

Contd....Page2/-

PAN INDIA CONSULTANTS PVT. LTD. Udyog Vihar Gurgaon

PART – B

Water and Raw Material Consumption

(I) **Water Consumption KL/day**

Process : 20.00 KL/Day
Cooling : 0.00 KL/Day
Domestic : 03.00 KL/Day

Name of product		Process water consumption per unit of product output	
		During the previous financial year. (1)	During the current financial year. (2)
1.	Exploratory Drilling of Two Wells for Oil-Gas Exploration within the allocated Block CB-ONN-2010/5	Not Applicable	Drilling Activity is in progress, production is not started yet

(II) **Raw Material Consumption:**

Name of Raw Materials	Name of product	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
1) Drilling Fluid 2) Cement Slurry	Exploratory Drilling of Two Wells for Oil-Gas Exploration within the allocated Block CB-ONN-2010/5	Not Applicable	Drilling Activity is in progress, production is not started yet

Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

PAN INDIA CONSULTANTS PVT. LTD. 105 Phase-IV Udyog Vihar Gurgaon -122016 (HR.)

Contd....Page3/-

PART – C

Pollution Discharged to environment / unit of output.
(Parameter as specified in the consent issued)

Pollutants	Qty. Of pollutants discharged (Mass / Day)	Concentration of Pollutants in discharges (Mass / Day)	Percentage of various from prescribed standards with reason
(i) Water	--	--	**Enclosed As Annexure – I**
(ii) Air	--	--	**Enclosed As Annexure – II**

PART – D

As specified under Hazardous Wastes / Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(i) From process	--	--
(ii) From pollution control facilities	--	**Enclosed As Annexure – III**

PART – E

SOLID WASTE

	Total Quantity	
	During the previous Financial year	During the current Financial year
(a) From process	--	**Enclosed As Annexure – III**
(b) From pollution control facility	**Nil**	
(c) Quantity recycle or re-utilized within the unit		
(1) Sold	**Nil**	**Nil**
(2) Disposed		

PAN INDIA CONSULTANTS PVT. LTD. Udyog Vihar Gurgaon

Contd....Page4/-

PART – F

Please specify the characterization (In terms of composition and quantum) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes.

Enclosed As Annexure – III

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the conduction.

See Annexure – IV

PART – H

Additional measures / investment proposals for environmental protection including abatement of prevention of pollution.

Not Applicable

PART – I

Any other particulars for Improving the quality of the environment:

Tree Plantation

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

Signature :

Name : Naresh Agarwal

Designation : General Manager

Date : 22 May 2019

Contd....Page5/-

.....Page5....

ANNEXURE – I

POLLUTION DISCHARGE TO ENVIRONMENT THROUGH EFFLUENT PER DAY:-

QUALITY AND QUANTITY OF WASTE WATER:-

- As per MoEF Notification dated 30th August, 2005, & Environmental Clearance dated 16th August2011, Drilling wastewater including Drill cutting wash water will be collected in the disposal pit (HDPE lined) for evaporation at drilling site. The analytical test results of treated effluent conform the stipulated norms.
- Domestic effluent is disposed of through soak pit system.

ANNEXURE – II

POLLUTION DISCHARGE TO ENVIRONMENT FROM FURNACE PER DAY:-

A) Stack Location: D. G. Set (350-400 KVA)

The company has provided proper hood system and adequate height of chimney for D. G. Set. Acoustic enclosure is provided to D. G. Set.

ANNEXURE – III

During our activities hazardous and other wastes are generation & disposal data as per HW (M & TM) Rules, 2016 and will be managed as follows.

Sr. No.	Name of Waste	Sch. No.	Source	Quantity	Facility
1.	Drilling Cutting	2.1	During Drilling Activity	500 MT	As per MoEF, 30th August 2005 guideline
2.	Drilling Mud and other drilling waste	2.3	During Drilling Activity	700 – 800 Cu M	
5.	Used Oil	5.1	Machinery	2-3 barrels	Collection, Storage, Transportation, Disposal by selling to registered recyclers or used for lubrication.

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

Contd....Page6/-

ANNEXURE – IV

Impact of pollution abatement measures on natural resources and on the cost of production.

There is no any negative impact on natural resources because

- As per MoEF Notification dated 30th August, 2005, & Environmental Clearance dated 16th August2011, Drilling wastewater including Drill cutting wash water will be collected in the disposal pit (HDPE lined) for evaporation at drilling site. The analytical test results of treated effluent conform the stipulated norms.
- The analytical test results of treated effluent conform the standards.
- Domestic effluent is disposed of through soak pit system.
- Solid waste generated is stored into the solid waste storage area as per rule.
- All the employee maintains the safety rules.
- There are no leakages observed and company maintains good housekeeping.

PAN INDIA CONSULTANTS PVT. LTD. 105, Phase-IV, Udyog Vihar Gurgaon -122015 (Hr.)

Annexure-XI
Newspaper Advertisement

Famous woman biker killed in road accident

EXPRESS NEWS SERVICE

BHOPAL, APRIL 12

VEENU PALIWAL, a well-known woman motorcyclist, died in a road accident near Gyaraspur in Vidisha district of Madhya Pradesh on Monday. According to the police, the 44-year-old was riding her Harley Davidson motorcycle at a high speed when she reportedly lost control and skidded off the road.

Despite wearing a helmet and other safety gear, the mother of two suffered severe ...

હેતુ બીઆરસી વિભાગ દ્વારા ચાલુ માસે યોજાનાર પરીક્ષાઓ બીઆરસી દ્વારા મુકાનાર ખાસ પ્રતિનિધી જ્યા શિક્ષકે પોતે બીઆરસી દ્વારા મુકવામાં આવેલ નિરીક્ષક હોવાનું જણાવ્યું હતું અને પરીક્ષા ખંડમાં કરવી નથી તેવું નિવેદન આપતાં આ બાબતે કોઇ પોલીસ ફરિયાદ નોંધાઇ નથી તેમ જણાવ્યું હતું.

›› સાતમા પાનાનું અનુસંધાન

નિવૃત પોલીસકર્મી...

કરતાં તેઓ વશ ઓળખાયેલ દવાઓ પોતાના નામથી વેચાણ કરતો હોવાનું પ્રકાશમાં આવ્યું હતું. સાથે અહીંથી રૂ. 272.51 પૈસાની બિન અધિકૃત રીતે અપાતી એલોપેથી દવાઓ પણ મળી આવી હતી. રેડ કરનાર ડૉ. સુહાગ શ્રીમાળીના જણાવ્યા મુજબ, રમેશગીરીની પૂછપરછ દરમિયાન તેઓ અગાઉ પાટણ જિલ્લા પોલીસ વિભાગમાં એએસઆઇ તરીકે ફરજ બજાવતા હતા અને 50 વર્ષની ઉંમરે સ્વૈચ્છીક નિવૃતિ લીધી હોવાનું ખુલ્યું છે. આ અંગે ડૉ. સુહાગ શ્રીમાળીએ લાંઘણજ પોલીસ મથકમાં રમેશગીરી શાંતિગીરી ગોસ્વામી વિરુદ્ધ બિન અધિકૃત તબીબી પ્રેકટીસ કરવા સંબંધે ફરિયાદ નોંધાવતાં પોલીસે ગુનો નોંધી તપાસ હાથ ધરી છે.

આયુર્વેદિકની ડિગ્રી હોવાનું રટણ

આરોગ્ય અધિકારીએ જ્યારે રેડ કરી ત્યારે રમેશગીરી ગોસ્વામીએ પોતાની પાસે આયુર્વેદિકની મુંબઇની ડિગ્રી હોવાનું જણાવ્યું હતું. પરંતુ ગુજરાતમાં તે રજીસ્ટ્રેશન થયેલું હોવું જોઇએ તે મુદ્દો ઉઠ્યો હતો અને તેઓ સ્થળ પર ડિગ્રી સંબંધી પેપર્સ રજૂ કરી શક્યા ન હતા.

›› દસમા પાનાનું અનુસંધાન

230 ખર્ચાકરીને

ચૂંટણીકાર્ડ મુજબ જનરેટ થાય છે. તમામ કામગીરી સોફ્ટવેર મારફત ગોઠવેલી છે આથી અમે નવાકાર્ડમા કોઇ સુધારો ન કરી શકીએ. આ માટે અમો મતદારોને જો ભૂલવાળુ કાર્ડ હોય તો પહેલા સુધારો કરી લેવા જણાવીએ છીએ.

વિસનગરમાં ખ.વે.

મંત્રી તેમજ પ્રકાશ સતીષભાઇ પટેલને 73 વોટથી વિજયી બનતાં તેમના ટેકેદારોને ફુલહાર તેમજ અબિલ ગુલાલની છોળોથી વધાવી લીધા હતા. જ્યારે ખેડૂત વિભાગની મતગણતરી વિશે ચૂંટણી અધિકારી પ્રતિક ઉપાધ્યાયને પૂછતાં ખેડૂત વિભાગની મતગણતરી કોર્ટના આદેશ બાદ કરાશે તેમ જણાવ્યું હતું.

ખેડૂત વિભાગના પરિણામ બાદ જ આવશે ચિત્ર સ્પષ્ટ

વિસનગર માર્કેટયાર્ડમાં વેપારી મંડળની 4, ખરીદ-વેચાણની 2 અને ખેડૂત વિભાગની 8 બેઠકો આવેલ છે. આ ઉપરાંત નગરપાલિકાનો એક, સરકારના બે પ્રતિનિધિઓ હોય છે. બિનહરીફ થયેલ વેપારી મંડળે જે બહુમતી લાવશે તેમની સાથે બેસીશુ તેવી જાહેરાત અગાઉથી કરી હતી જેના પગલે તમામ આધાર ખેડૂત વિભાગની બેઠકો પર રહેલો છે. ખેડૂત વિભાગમાં જે પેનલ મેદાન મારશે તે માર્કેટયાર્ડના સત્તા હાસલ કરશે.

પુત્રવધુને સસરાએ આગ ચાંપતાં બચાવવા આવેલ પુત્ર પણ દાઝ્યો

ભાસ્કર ન્યૂઝ.હિંમતનગર

હિંમતનગર તાલુકાના સોલાસણ ગામમાં ગત શનિવારે સવારે સસરાએ મોટી પુત્રવધૂને ઘરમાંથી નીકળી જવા અને ખેતરમાં તેનો કોઇ અધિકાર ન હોવાને મામલે તકરાર કરી હતી. દરમિયાનમાં સસરાએ પુત્રવધૂ પર કેરોસીન છાંટી સળગાવી મારવાનો પ્રયાસ કરતા મામલો ગરમાયો હતો. બૂમાબૂમ થતાં સળગી રહેલ પત્નિને બચાવવા દોડેલા પતિ અને પત્નિ બંને દાઝ્યા હતા. જેને 108 દ્વારા સારવાર અર્થે હિંમતનગરની સિવિલ હોસ્પિટલમાં ખસેડાયા હતા.

મંજુલાબેન અને તેમના પતિ રમેશભાઇ ઘરે હતા ત્યારે તેઓના સસરા વનજીભાઇ તેમજ એમીબેને દિયર હરેશભાઇ અને દેરાણી મધુબેનની ચઢામણીથી મંજુલાબેન સાથે તકરાર કરી હતી અને આ ઘર મારું બનાવેલુ છે તું અહીંથી નીકળી જા ખેતરમાં તારો કોઇ અધિકાર નથી તેમ કહી તકરાર કરી હતી. સસરાએ પુત્રવધૂ મંજુલાબેન પર કેરોસીન છાંટી સળગતી દીવાસળી ઉપર ફેંકતા સાડીના ભાગે આગ લાગી હતી. મંજુલાબેનના પતિ રમેશભાઇ દોડી આવ્યા હતા અને પત્નિને બચાવવા જતા બંને દાઝી ગયા હતા.

ઘઉં(ટુકડા)	330-370	જીરૂ
મકાઈ	300-305	તલ
એરંડા	601-627	વરીયાળી
ચણા	950-971	સુવા
રાયડો	700-750	રાજગરો
[illegible]		મેથી
ઘઉં	300-340	અસાળીયો
બાજરી	280-300	[illegible]
ક.જુવાર	250-290	એરંડા
પ્રાંતિજ		રાયડો
ઘઉં	300-350	ગવાર
એરંડા	600-620	[illegible]
ક.જુવાર	300-330	રાયડો
વડાલી		એરંડા
ઘઉં	306-382	જીરૂ
એરંડા	618-656	વરીયાળી
વાલ	800-835	ઘઉં
તુવેર	1400-1525	બાજરી
ઇડર		ગવાર
ઘઉં	290-388	મેથી
મકાઈ	215-386	રાજગરો
એરંડા	590-624	[illegible]
બાજરી	295-330	એરંડા
તુવેર	1300-1625	રાયડો
ગવાર	570-617	બાજરી
પાલનપુર		ઘઉં
ઘઉં	292-464	વરીયાળી
બાજરી	330-333	ડીસા
ચણા	950-1000	એરંડા
એરંડા	605-627	રાયડો
રાયડો	721-845	ઘઉં
મકાઈ	330-335	બાજરી
રાજગરો	701-837	મેથી
જવ	295-304	રાજગરો
વરીયાળી	1400-2700	તમાકુ
[illegible]		[illegible]
ઘઉં	305-461	ઘઉં
બાજરી	320-332	ગવાર
એરંડા	610-615	રાજગરો
રાયડો	615	સરસવ
રાજગરો	761-780	ઈસબગુલ
ગવાર	580-600	જીરૂ
મેથી	762-881	તલ
[illegible]		વરીયાળી
ઘઉં	290-422	રાયડો
બાજરી	300-313	એરંડા
જવ	280	ઊંઝા
વરીયાળી	1300-3000	જીરૂ
એરંડા	600-622	વરીયાળી
રાયડો	700-790	ઈસબગુલ
ગવાર	580-594	1725-2
ઈસબગુલ	1650	સરસવ
રાજગરો	710-805	રાયડો
[illegible]		તલ
જીરૂ	2300-3000	સુવા
રાયડો	740-800	અજમો
એરંડા	615-630	વિજાપુર
અજમો	2730-3300	કલકત્તી
મેથી	775-1150	800-14
વરીયાળી	1050-1550	[illegible]
ઈસબગુલ	2000-2450	વરીયાળી
[illegible]		રાયડો
રાયડો	760-775	એરંડા
એરંડા	615-625	કપાસ