COMPLIANCE REPORT FOR ENVIRONMENT CLEARANCE

EC No: J-11011/581/2011-IA II(I) Dated: 27/5/2013

	EC conditions	Result
A.	Specific Conditions	
II.	Compliance to all the specific conditions mentioned in the existing EC letter no J-11011/920/2007-IA.II(I) dated 15.7.2007 shall be ensured. As proposed the company shall upload the copy of the EC, compliance report on their website. Gas produced during testing shall be flared with appropriate flaring booms. The system shall be designed as per good oil field practices and OISD guidelines. The stack height shall be provided as per the regulatory requirements and emission from the stacks will meet the MoEF/CPCB guidelines. Ambient air quality shall be maintained	Project was completed as per EC granted during the year 2007-08. All the conditions were fulfilled and copy of the EC, compliance report is uploaded on our website www.jtiindiaprojects.com All wells including new drilled wells are connected to our GGS by flow lines. Hence it is completely closed system and wells were tested at GGS only. Therefore, there was no flaring at the well site. Ambient air quality was maintained during drilling campaign at nearest human
	at nearest human settlements as per national ambient Air Quality Standards issued by the Ministry vide G.S.R. No 826(E) dated 16 th November, 2009 for PM 2.5, SO2, NOx, CO, CH4, Nonmethane HC etc.	drilling campaign at nearest human settlements as per national ambient Air Quality Standards issued by the Ministry vide G.S.R. No 826(E) dated 16 th November, 2009 for PM 2.5, SO2, NOx, CO, CH4, Non-methane HC etc. and air monitoring was carried out by M/s Kadam Environment consultants, Vadodara. <i>Reports attached in Annexure-1</i> .
IV.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Complied. Reports attached in Annexure-2
V.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied.
VI	The company shall make the arrangement for control of noise from drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height shall be provided as per CPCB guidelines.	Complied.

VII.Total water requirement from ground water source shall not exceed 20m3/day/well and prior permission should be obtained from Competent Authority.	The water requirement was within limits. We used our bore well water hence permission from Competent Authority was not required.
VIII. The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and w/w shall conform to CPCB standards.	Complied.
IX.Drilling w/w including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with notified standards for on-shore disposal. The membership of common TSDF shall be obtained for the disposal of drill cuttings and hazardous waste. Otherwise, secured landfill shall be created at the site as per 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.	Complied. Copy of membership of TSDF is attached in Annexure-3.
X.No effluent/ drilling mud/ drill cuttings shall be discharged/disposed off into nearby surface water bodies.	Waste water including drilling mud was collected in disposal pit lined with HDPE lining for evaporation to atmosphere.
XI.Produced water shall be treated in ETP. Treated produced water shall be disposed off through injection well as per CPCB/MoEF guidelines.	Point noted.
XII.Good sanitation facility shall be provided at drilling site. Domestic sewage shall be disposed septic tank/sock pit.	Complied.
XIII.Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste	Complied.

and spent oil shall be disposed of to the	
authorized recycler. XIV. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546 (E) dated 30 th August, 2005.	Guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005 had been followed. Analysis reports of Waste water, Barite sample and toxicity test attached in Annexure – 4, Annexure - 5 and Annexure - 6 respectively.
XV. The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation	All necessary measures were taken during drilling period to prevent fire hazards.
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.	No ground flaring was done.
XVI. The company shall develop a contingency plan for H2S release	Since the discovery of Dholka field in 1960s H ₂ S has not been observed in any
including all necessary aspects from	well.
evacuation to resumption of normal operations. The workers shall be provided with personal H2S detectors in location of high risk of exposure along with self containing breathing apparatus.	Though Gas detector was available at drilling site, H2S not detected in any of the five wells.
XVII. The company shall carry out long term subsidence study by collecting base line data before initiating drilling operation tail the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional office at Bhopal.	Point noted.
XVIII.BOP system shall be installed to prevent	To prevent blow out during drilling
well blowouts during drilling operation. BOP measures during drilling shall focus	operations, a suitable Blow Out Preventer (BOP) system was used. Geo Technical
on maintaining well hydrostatic pressure	Order (GTO) for drilling of each well was
by proper pre-well planning and drill fluid logging etc.	kept ready before drilling operation. Proper specific gravity of drilling fluid was
	maintained during drilling. It was monitored by the Mud Engineering

	Services and JTI company man.
XIX.Emergency response plan shall be based	Complied.
on guidelines prepared by OISD,DGMS	Complica.
and Govt. of India	
and Govt. of India	
XX.The company shall take measures after	After completion of drilling, all the 5 wells
completion of drilling process by well	have been proved to be oil producers.
plugging and secured enclosures,	There was no dry well as such plugging of
decommissioning of rig upon	the well and abandonment plan as per
abandonment of the well and drilling site	applicable Indian Petroleum Regulations
shall be restored the area in original	was not required to be implemented.
condition. In the event that no economic	The second secon
quantity of hydrocarbon is found a full	
abandonment plan shall be implemented	
for the drilling site in accordance with	
the applicable Indian Petroleum	
Regulations.	
XXI.All the commitments made to the public	Complied.
during public hearing/ public	_
consultation meeting held on 30 th	
October,2012 for Kheda dist and 2 nd	
Nov, 2013 for Ahmedabad district shall	
be satisfactory implemented and	
adequate budget provision shall be made	
accordingly.	
XXII.At least 5% of total cost of project shall	Point noted.
be earmarked towards the Enterprise	
Social Commitment based on public	
hearing issues, locals need and item-wise	
details along with time bound action plan	
shall be prepared and submitted to the	
Ministry Regional Office at Bhopal.	
XXIII.Occupational health surveillance of the	Complied.
workers shall be carried out as per the	
prevailing Acts and Rules.	
XXIV.In case of commercial viability of the	Not applicable.
project(for exploratory drilling) is	The wells drilled are in-fill development
established, the company shall prepare a	wells.
detailed plan for development of oil and	
gas fields and obtain fresh environmental	
clearance from Ministry.	
XXV.Restoration of the project site shall be	Point noted.
carried out satisfactorily and report shall	
be sent to the Ministry Regional Office	

at Bhopal.	
XXVI.Oil contained drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry Regional Office at Bhopal.	Complied.
XXVII. An audit shall be done to ensure that the Environment Management Plan is implemented in totality and report shall be sent to the Ministry Regional Office at Bhopal.	Point noted.
XXVIII. Company shall have own Environment Management cell having qualified persons with proper background.	Agreed.
XXIX.Company shall prepare manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environment manual shall be available at the drilling site. Awareness shall be created at each level of management. All the schedules and results of environmental monitoring shall be available at the site office. Remote monitoring of site should be done.	Point noted.
XXX.On completion of drilling, the company has to plug the drilled wells safety and obtain certificate from environment safety angle from the concerned authority.	All wells are producers. Plugging of the well is not required.
B. General Conditions	
I. The project authorities must strictly adhere to the stipulations made by GPCB.	Noted.
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 alteration in project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to Ministry to assess the adequacy of conditions imposed and to add additional protection measures	Noted.

	required, if any.	
III.	<u> </u>	The project authorities had strictly complied with rules and regulations under Manufacture, Storage and import of Hazardous chemicals Rules, 1989. JTI also has license to store and use Explosives from Chief Controller of Explosives, Nagpur.
IV.		The overall noise levels in and around the plant area were kept well within the standards with the usage of acoustic enclosures. The ambient noise levels confirmed to the standards prescribed under EPA Rules, 1989 viz. 1989 75 dBA (daytime) and 70 dBA (nighttime). This was monitored by Ms/.Kadam Environmental Consultants during drilling operations and <i>reports attached in Annexure</i> – 7.
V.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up carry out the environmental management and monitoring functions.	To carry out Environment Management and monitoring functions, JTI availed the services of M/s. Kadam Environmental Consultants – Vadodara.
VI.	A copy of clearance shall be sent by the proponent to concerned Panchayat, ZilaParishad/ Municipal Corporation, Urban Local body and local NGO, if any. From whom suggestions/ representations, if any, were received while processing the proposal. The letter shall also be put on the website of the company by the proponent.	Complied.
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 regional office of MoEF, the	Complied. (Website: www.jtiindiaprojects.com)

	respective zonal office of GPCB. The criteria pollutant levels namely; PM10, SO2, NOx, HC, VOCs 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.	Monitoring reports of pollutants i.e.PM10, SO2, NOx, HC, VOCs attached in Annexure- 8.
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 to the Regional office of MoEF, the respective Zonal office of CPCB and GPCB. The Regional office of this Ministry/ CPCB/GPCB shall stipulated conditions. EC and six monthly compliance status reports shall be posted on the website of the company.	Point noted.
IX.	The environmental statement for each financial year ending 31 st March in form V as is mandated to be submitted to SPCB as prescribed under EP Act-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 office of the MoEF by email.	Point noted.
X.	The project proponent shall inform the public that the project has been accord environmental clearance by the Ministry and copies of clearance letter are available with the GPCB and may also be seen at website of the Ministry of Environment and forest at http://envfor.nic.in This shall be advertised within 7 days from the date of issue of the clearance letter., at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and of the same shall be forwarded to the Regional office.	The Project proponent advertised accorded Environmental Clearance within 7days of issue of the EC letter in two local newspapers namely Gujarat Samachar & The Times of India dated: 1/6/2013.

XI. Project authorities shall inform the	Point noted.
regional office as well as 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.	

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPO	RT - AMBIENT
DOC NO - F/036	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.: F/036	Revision No.: 01	Revision Date: 01/12/2012

REPORT NO.: JUN13/025/03

SAMPLE DETAILS

1.	Name & Address of Clien 701, Parshwanath E Squa Ahmedabad – 380 015, C	are Pralhad Na	gar, Corpora				
2.	Sample ID: 1314898246	l6 - 025JN13AQ01			Client Representative: Ms. Palak Kharadi		
4.	Sampling Date: 05.06.20	013			Sampling Location: Nr.	Drilling Site (NWA#08)	
6.	Sampling time: 14:00 hr	hr			Sampling Duration: 24 Hrs		
8.	Analysis commenced on:	07.06.2013		9.	Analysis Completed on	: 08.06.2013	
10.	Reporting Date: 17.06.2	013		11.	Sample Collected By: M	r.Gaurang Rana	
12.	Test Requirement: Ambie	ent Air Quality	Monitoring	13.	Sampling Procedure: IS	Method	
14.	Description of Sample:	Sampling Bottles: Seale		d√	Filter Paper: Packed √	Bladder: Clamped √	
15.	Environment Condition:	Temp: Normal	Humiditiy: Me	edium	Wind speed: Low	Cloud cover: Clear	
13.	Rain: No Rain	Wind Direction: 0	Corearea		Wind blowing from: North	Station category: Industrial	

TEST RESULT

S.No	<u>Parameters</u>	<u>Unit</u> (SI)		<u>Results</u>	Specification/ SPCB Norms	Method Used
1.	PM ₁₀	μg /m³	:	41	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	μg /m³	:	13	60	Guideline by SPCB
3.	Ammonia	$\mu g / m^3$:	0.115	400	Modified APHA Method
4.	Sulphur Dioxide (SO ₂)	μg /m³	:	8.45	80	IS 5182 (Part 2) :2001
5.	Oxides of Nitrogen (NO _X)	μg /m³	:	7.27	80	IS 5182 (Part 6) :2006
6.	Carbon Monoxide (CO)	mg/m ³	:	1.51	2	Gas Chromatography
7.	Arsenic	ng /m ³	:	<1.4	06	AAS method
8.	Nickel	ng /m ³	:	<10	20	AAS method
9.	Lead	μg /m ³	:	<0.5	1	AAS method
10.	Ozone (O ₃)	μg /m ³	:	< 1	100	Guidelines By CPCB(Vol-1)
11.	Benzene (C ₆ H ₆)	μg /m³	:	<0.1	0.1	AOAC: 18st Edition
12.	Benzo (a) Pyrene (Bap)	ng /m ³	:	<0.1	0.2	AOAC: 18 st Edition

Remark:

Name : Sapana Amin Designa

Designation : Lab Incharge

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPO	RT - AMBIENT
DOC NO + E/026	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.: F/036	Revision No.: 01	Revision Date: 01/12/2012

REPORT NO.: JUL13/010/03

SAMPLE DETAILS

1.	Name & Address of Clien 701, Parshwanath E Squ Ahmedabad – 380 015, 0	are Pralhad Na	gar, Corpora				
2.	Sample ID: 1314898246 - 010JL13AQ01				Client Representative: Mg. Palak Kharadi		
4.	Sampling Date: 01.07.2013				Sampling Location: Nr. Drilling Site (NWA# 65)		
6.	Sampling time: 15:00 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on:	04.07.2013		9.	Analysis Completed on : 05.07.2013		
10.	Reporting Date: 09.07.2	013		11.	Sample Collected By: M	r. Vipul Dabhi	
12.	Test Requirement: Ambie	ent Air Quality	Monitoring	13.	Sampling Procedure: IS	Method	
14.	Description of Sample:	Sampling Bo	ttles: Sealed	√ b	Filter Paper: Packed √	Bladder: Clamped √	
15.	Environment Condition:	Temp: Normal	Humiditiy: Me	edium	Wind speed: Low	Cloud cover: Clear	
13.	Rain: No Rain	Rain: No Rain Wind Direction: Corearea			Wind blowing from: North	Station category: Industrial	

TEST RESULT

<u>S.No</u>	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	PM ₁₀	μg /m³	:	53	100	IS 5182 (Part 23): 2006
2.	PM _{2.5}	$\mu g / m^3$:	23	60	Guideline by SPCB
3.	Ammonia	$\mu g / m^3$:	9.33	400	Modified APHA Method
4.	Sulphur Dioxide (SO ₂)	$\mu g / m^3$		11.79	80	IS 5182 (Part 2) :2001
5.	Oxides of Nitrogen (NO _X)	$\mu g / m^3$:	8.11	80	IS 5182 (Part 6) :2006
6.	Carbon Monoxide (CO)	mg/m ³	:	2.15	2	Gas Chromatography
7.	Arsenic	ng /m ³	:	<1.4	06	AAS method
8.	Nickel	ng /m ³	:	<10	20	AAS method
9.	Lead	μg /m ³	:	<0.5	1	AAS method
10.	Ozone (O ₃)	μg /m³	:	<3	100	Guidelines By CPCB(Vol-1)
11.	Benzene (C ₆ H ₆)	μg /m ³	:	<0.5	5	AOAC: 18st Edition
12.	Benzo (a) Pyrene (Bap)	ng /m ³	:	<0.1	1	AOAC: 18st Edition

Authorized By - 🔀 Name : Sapana Amin

Designation: Lab Incharge

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT						
DOC NO + E/036	Issue No.: 01	Issue Date: 05/12/2011				
DOC. NO.: F/036	Revision No.: 01	Revision Date: 01/12/2012				

REPORT NO.: AUG13/012/03

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Technologies 701, Parshwanath E Square Pralhad Nagar, Corpor Ahmedabad – 380 015, Gujarat (Oilfield)						
2.	Sample ID: 1314898246 - 012AU13AQ01				Client Representative: Mr. Palak Kharadi		
4.	Sampling Date: 05.08.2013			5.	Sampling Location: Nr. Drilling Site (NWA# 18)		
6.	Sampling time: 15:00 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on:	06.08.2013		9.	Analysis Completed on : 07.08.2013		
10.	Reporting Date: 14.08.2	013		11.	Sample Collected By: M	r. Gaurang Rana	
12.	Test Requirement: Ambi	ent Air Quality	Monitoring	13.	Sampling Procedure: IS	Method	
14.	Description of Sample:	Sampling Bo	ttles: Sealed	d√	Filter Paper: Packed √	Bladder: Clamped √	
15.	Environment Condition:	Temp: Normal	Humiditiy: Me	edium	Wind speed: Low	Cloud cover: Clear	
13.	Rain: No Rain	Wind Direction: 0	Corearea	-	Wind blowing from: North	Station category: Industrial	

TEST RESULT

S.No	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	PM ₁₀	μg /m ³	:	57	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	$\mu g / m^3$:	26	60	Guideline by SPCB
3.	Ammonia	μg /m ³	:	10.29	400	Modified APHA Method
4.	Sulphur Dioxide (SO ₂)	μg /m ³	:	14.32	80	IS 5182 (Part 2) :2001
5.	Oxides of Nitrogen (NO _X)	$\mu g/m^3$:	11.77	80	IS 5182 (Part 6) :2006
6.	Carbon Monoxide (CO)	mg/m ³	:	2.18	2	Gas Chromatography
7.	Arsenic	ng /m ³	:	<1.4	06	AAS method
8.	Nickel	ng /m ³		<10	20	AAS method
9.	Lead	μg /m³	:	<0.5	1	AAS method
10.	Ozone (O ₃)	μg /m ³	:	<3	100	Guidelines By CPCB(Vol-1)
11.	Benzene (C ₆ H ₆)	$\mu g/m^3$:	<0.5	5	AOAC: 18st Edition
12.	Benzo (a) Pyrene (Bap)	ng /m ³	:	<0.1	1	AOAC: 18st Edition
Rema	0.4					14

Authorized By

Name: Sapana Amin

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3) The results reported above relate to the sample identified under Sample Details.

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPO	RT - AMBIENT
DOC NO - E/026	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.: F/036	Revision No.: 01	Revision Date: 01/12/2012

REPORT NO.: FEB14/091/03

SAMPLE DETAILS

1.	Name & Address of Clier 701, Parshwanath E Squ Ahmedabad – 380 015,	are Pralhad Nag	gar, Corpora				
2.	Sample ID: 1314898246	- 091FB14AQ0	1	3.	Client Representative: Mg. Palak Kharadi		
4.	Sampling Date: 24.02.20)14	A PARTY	5.	Sampling Location: Nr. Drilling Site (RLI (DK # 37))		
6.	Sampling time: 14:00 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on:	25.02.2014		9.	Analysis Completed on: 26.02.2014		
10.	Reporting Date: 14.03.2	014	11.000	11.	Sample Collected By: M	r.Javed Haveliwala	
12.	Test Requirement: Ambi	ent Air Quality I	Monitoring	13.	Sampling Procedure: IS	Method	
14.	Description of Sample:	Sampling Bo	ttles: Seale	d√	Filter Paper: Packed √	Bladder: Clamped √	
15.	Environment Condition:	Temp: Normal	Humiditiy: Me	edium	Wind speed: Low	Cloud cover: Clear	
13.	Rain: No Rain	Wind Direction: Corearea			Wind blowing from: North	Station category: Industrial	

TEST RESULT

S.No	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	PM ₁₀	μg /m³	:	56	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	μg /m³	:	32	60	Guideline by SPCB
3.	Ammonia	$\mu g / m^3$:	11.67	400	Modified APHA Method
4.	Sulphur Dioxide (SO ₂)	μg /m³	:	12.87	80	IS 5182 (Part 2) :2001
5.	Oxides of Nitrogen (NO _X)	μg /m ³	:	10.02	80	IS 5182 (Part 6) :2006
6.	Carbon Monoxide (CO)	mg/m ³	:	2.07	2	Gas Chromatography
7.	Arsenic	ng /m ³	:	<1.4	06	AAS method
8.	Nickel	ng /m ³	:	<10	20	AAS method
9.	Lead	$\mu g / m^3$:	<0.5	1	AAS method
10.	Ozone (O ₃)	μg /m³	:	·<3	100	Guidelines By CPCB(Vol-1)
11.	Benzene (C ₆ H ₆)	μg /m³	:	<0.5	5 .	AOAC: 18 st Edition
12.	Benzo (a) Pyrene (Bap)	ng /m³	:	<0.1	1	AOAC: 18 st Edition
Rema	rk: 0					

Authorized By -

Name: Sapana Amin **Designation: Lab Incharge**

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPO	RT - AMBIENT	
DOC NO - E/026	Issue No.: 01	Issue Date: 05/12/2011	
DOC. NO.: F/036	Revision No.: 01	Revision Date: 01/12/2012	

REPORT NO.: MAR14/087/03

SAMPLE DETAILS

1.	Name & Address of Client 701, Parshwanath E Squa Ahmedabad – 380 015, G	re Pralhad Nag	ar, Corpora		ACCOUNT OF THE PARTY OF THE PAR			
2.	Sample ID: 1314898246 - 087MR14AQ01				Client Representative: Mr. Palak Kharadi			
4.	Sampling Date: 04.03.2014				Sampling Location: Nr. D	Orilling Site (RL-2 (DK # 38))		
6.	Sampling time: 13:45 hr	mpling time: 13:45 hr				Sampling Duration: 24 Hrs		
8.	Analysis commenced on:	25.03.2014		9.	Analysis Completed on :	: 04.04.2014		
10.	Reporting Date: 05.04.20	14		11.	Sample Collected By: M	r.Vipul Dabhi		
12.	Test Requirement: Ambie	nt Air Quality M	lonitoring	13.	Sampling Procedure: IS	Method		
14.:	Description of Sample:	Sample: Sampling Bottles: Seale			Filter Paper: Packed √	Bladder: Clamped √		
15.	Environment Condition:	Temp: Normal	Humiditiy: Me	edium	Wind speed: Low	Cloud cover: Clear		
13.	Rain: No Rain	Wind Direction: Co	orearea		Wind blowing from: North	Station category: Industrial		

TEST RESULT

			_		_	
<u>S.No</u>	<u>Parameters</u>	Unit (SI)		<u>Results</u>	Specification/ SPCB Norms	Method Used
1.	PM ₁₀	μg /m³	:	53	100	IS 5182 (Part 23) : 2006
2.	PM _{2.5}	μg /m³	:	33	60	Guideline by SPCB
3.	Ammonia	μg /m³	:	13.47	400	Modified APHA Method
4.	Sulphur Dioxide (SO ₂)	μg /m³	:	10.81	80	IS 5182 (Part 2) :2001
5.	Oxides of Nitrogen (NO _X)	μg /m³	:	8.60	80	IS 5182 (Part 6.) :2006
6.	Carbon Monoxide (CO)	mg/m ³	:	2.102	2	Gas Chromatography
7.	Arsenic	ng /m ³	:	<1.4	06	AAS method
8.	Nickel	ng /m ³	:	<10	- 20	AAS method
9.	Lead	μg /m³	:	<0.5	1	AAS method
10.	Ozone (O ₃)	μg /m³	:	<3	100	Guidelines By CPCB(Vol-1)
11.	Benzene (C ₆ H ₆)	μg /m³	:	<0.5	5	AOAC: 18st Edition
12.	Benzo (a) Pyrene (Bap)	ng /m³	:	<0.1	1 .	AOAC: 18st Edition
Rema	rk: , 00-1					•
Autho	rized By					

Name : Sapana Amin

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

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- 3) The results reported above relate to the sample identified under Sample Details.

------END OF REPORT-----

Designation: Lab Incharge

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REP	PORT - EFFLUENT
DOC NO :E/03E	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.:F/035	Revision No.: 01	Revision Date: 01/12/2012

REPORT NO.: JUN13/025/05

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Te 701,Parshwanath E Square Pralhad Nag Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor	
2.	Sample ID: 1314898246 -025JN13EF02	3.	Client Representative: Mr. Palak Kharadi
4.	Sample Date: 06.06.2013	5.	Sample Collected By: Mr. Gaurang Rana
6.	Analysis commenced on: 06.06.2013	7.	Analysis Completed on: 17.06.2013
8.	Reporting Date: 17.06.2013	9.	Test Requirement: Effluent Analysis
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab
12.	Sampling Location: Drill Cutting (NWA#08)	13.	ETP / STP Status: Working

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)	Results	Specification/ SPCB Norms	Method Used
1.	Mercury	mg/L :	<0.001	N.A.	APHA: (3500 Hg A) 21st Edition
Rema Author	rk:				
Name	: Sapana Amin		Designat	ion: Laboratory Inc	charge

NOTE:

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- 4) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 5) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

Page 2 of 2

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST RE	PORT - EFFLUENT
DOC. NO.:F/035	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.:F/033	Revision No.: 01	Revision Date: 01/12/2012

REPORT NO.: JUL13/010/05

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Te 701,Parshwanath E Square Pralhad Nag Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor			
2.	Sample ID: 1314898246 -010JL13EF02 3. Client Representative: Mr. Palak Kharadi				
4.	Sample Date: 01.07.2013	5.	Sample Collected By: Mr. Vipul Dabhi		
6.	Analysis commenced on: 04.07.2013 7. Analysis Completed on: 08.07.2013				
8.	Reporting Date: 09.07.2013	9.	Test Requirement: Effluent Analysis		
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab		
12.	Sampling Location : Drill Cutting (NWA# 65)	13.	ETP / STP Status: Working		

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)	Results	Specification/ SPCB Norms	Method Used
1.	Mercury	mg/L :	<0.001	N.A.	APHA: (3500 Hg A) 21st Edition
Rema Author	rk:	 			
Name	: Sapana Amin		Designat	ion: Laboratory In	charge

NOTE:

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- The results reported above relate to the sample identified under Sample Details.

END OF REPORT	

Page 2 of 2



NARODA ENVIRO PROJECTS LTD

REGD. OFFICE: PLOT NO. 512-515, PHASE-I, GIDC, NARODA, AHMEDABAD-382 3
PHONE: 2281 6311 TELEFAX: 2282 3299

27th May, 2004

To Gujarat Pollution Control Board Sector 10A, Paryavaran Bhawan, Gandhinagar – 382 010.

Sirs,

This is to state that M/s. Joshi Technologies International, Inc. India Projects situated at Post: Radhu, Rasikpura, Eps. Dholka is a member of our TSDF Site, Pit No. II only.

Yours sincerely,

Sim Patri

Shailesh Patwari Chairman

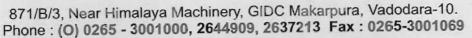
> The membership is subject to approval of GPCB and subject to compliance of necessary Rules & Regulations of GPCB as well as, as may be prescribed by management of TSDF, from time to time.

The membership fees paid is non-refundable.

This letter has been issued in lieu of our letter dated 6th Aug., 2002, consequent to change in name from L & T -JTI Oilfields Project, being a member of our TSDP 6ite Pit No. II only, vide their letter dated 1st April, 2004.

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT						
DOC NO :E/03E	Issue No.: 01	Issue Date: 05/12/2011				
DOC. NO.:F/035	Revision No.: 01	Revision Date: 01/12/2012				

REPORT NO.: JUN13/025/04

SAMPLE DETAILS

		AIVII LL	DETAILS	_
1.	Name & Address of Client: M/s.Joshi Te 701,Parshwanath E Square Pralhad Nag Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor		
2.	Sample ID: 1314898246 -025JN13EF01	3.	Client Representative: Mr. Palak Kharadi	
4.	Sample Date: 06.06.2013	5.	Sample Collected By: Mr. Gaurang Rana	
6.	Analysis commenced on: 06.06.2013 7. Analysis Completed on: 17.06.2013			
8.	Reporting Date: 17.06.2013	9.	Test Requirement: Effluent Analysis	
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab	
12.	Sampling Location: Waste Water Pit Sample (NWA#08)	13.	ETP / STP Status: Working	

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	рН		1:1	12.59	N.A.	APHA: (4500-H+ B)21st Edition
2.	Total Dissolved Solids	mg/L	1:1	19140	N.A.	APHA: (2540 C) 21 st Edition
3.	Suspended Solids	mg/L	:	7 57 5	N.A.	APHA: (2540 D) 21st Edition
4.	COD	mg/L	1:1	6475	N.A.	APHA: (5220 B) 21st Edition
5.	BOD (3 days at 27 °C)	mg/L	1:1	2000	N.A.	APHA: (5210 B) 21st Edition
6.	Oil & Grease	mg/L	1:1	2.0	N.A.	APHA: (5520 B) 21st Edition
7.	Mercury	mg/L	1	<0.001	N.A.	APHA: (3500 Hg) 21st Edition
8.	Elec. Conductivity	µmhos/cm	:	29110	N.A.	IS 14767:2000 Conductivity

Remark:

Authorised By - Name : Sapana Amin

Designation: Laboratory Incharge

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ENVIRONMENTAL MONITORING REPORT

	PORT - EFFLUENT	
DOC NO -E/03E	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.:F/035	Revision No.: 01	Revision Date: 01/12/2012

REPORT NO.: JUL13/010/04

SAMPLE DETAILS

		7 111111 1212	521711110	
1.	Name & Address of Client: M/s.Joshi Te 701,Parshwanath E Square Pralhad Nag Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor		
2.	Sample ID: 1314898246 -010JL13EF01	3.	Client Representative: Mg. Palak Kharadi	
4.	Sample Date: 01.07.2013	5.	Sample Collected By: Mr. Vipul Dabhi	
6.	Analysis commenced on: 04.07.2013	7.	Analysis Completed on: 08.07.2013	
8.	Reporting Date: 09.07.2013	9.	Test Requirement: Effluent Analysis	The
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab	
12.	Sampling Location : Waste Water Pit Sample (NWA# 65)	13.	ETP / STP Status: Working	

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	рН		:	8.40	N.A.	APHA: (4500-H+ B)21st Edition
2.	Total Dissolved Solids	mg/L	:	9312	N.A.	APHA: (2540 C) 21st Edition
3.	Suspended Solids	mg/L	:	2360	N.A.	APHA: (2540 D) 21st Edition
4.	COD	mg/L	:	2017	N.A.	APHA: (5220 B) 21st Edition
5.	BOD (3 days at 27 °C)	mg/L	:	627	N.A.	APHA: (5210 B) 21st Edition
6.	Oil & Grease	mg/L	:	1.6	N.A.	APHA: (5520 B) 21st Edition
7.	Mercury	mg/L	:	< 0.001	N.A.	APHA: (3500 Hg) 21st Edition
8.	Elec. Conductivity	µmhos/cm	:	3429	N.A.	IS 14767:2000 Conductivity

Remark:

Authorised By -

Name : Sapana Amin'

Designation: Laboratory Incharge

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT						
DOC NO (E/02E	Issue No.: 01	Issue Date: 05/12/2011				
DOC. NO.:F/035	Revision No.: 01	Revision Date: 01/12/2012				

REPORT NO.: AUG13/012/04

SAMPLE DETAILS

	<u>S</u>	AMPLE	: DETAILS
1.	Name & Address of Client: M/s.Joshi Te 701,Parshwanath E Square Pralhad Nag Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor	
2.	Sample ID: 1314898246 -012AU13EF01	3.	Client Representative: Mg: Palak Kharadi
4.	Sample Date: 05.08.2013	5.	Sample Collected By: Mr. Gaurang Rana
6.	Analysis commenced on: 06.08.2013	7.	Analysis Completed on: 13.08.2013
8.	Reporting Date: 14.08.2013	9.	Test Requirement: Effluent Analysis
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab
12.	Sampling Location: Waste Water Pit Sample (NWA# 18)	13.	ETP / STP Status: Working

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	pН		:	8.18	N.A.	APHA: (4500-H ⁺ B)22 nd Edition
2.	Total Dissolved Solids	mg/L	:	1612	N.A.	APHA: (2540 C) 22 nd Edition
3.	Suspended Solids	mg/L		500	N.A.	APHA: (2540 D) 22 nd Edition
4.	COD	mg/L	:	823	N.A.	APHA: (5220 B) 22 nd Edition
5.	BOD (3 days at 27 °C)	mg/L		230	N.A.	APHA: (5210 B) 22 nd Edition
6.	Oil & Grease	mg/L		1.2	N.A.	APHA: (5520 B) 22 nd Edition
7.	Mercury	mg/L		<0.001	N.A.	APHA: (3500 Hg) 22 nd Edition
8.	Elec. Conductivity	µmhos/cm	:	2056	N.A.	IS 14767:2000 Conductivity

Remark:

Authorised By -

Name : Sapana Amin Designation: Laboratory Incharge

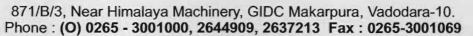
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-----END OF REPORT-----

Page 1 of 1

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT						
DOC NO -E/02E	Issue No.: 01	Issue Date: 05/12/2011				
DOC. NO.:F/035	Revision No.: 01	Revision Date: 01/12/2012				

REPORT NO.: FEB14/091/04

SAMPLE DETAILS

		WINT FF	DETAILO
1.	Name & Address of Client: M/s.Joshi Te 701,Parshwanath E Square Pralhad Nag Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor	
2.	Sample ID: 1314898246 -091FB14EF01	3.	Client Representative:Mg. Palak Kharadi
4.	Sample Date: 24.02.2014	5.	Sample Collected By: Mr. Javed Haveliwala
6.	Analysis commenced on: 25.02.2014	7.	Analysis Completed on: 14.03.2014
8.	Reporting Date: 14.03.2014	9.	Test Requirement: Effluent Analysis
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab
12.	Sampling Location: Waste Water Pit Sample (RLI (DK # 37)	13.	ETP / STP Status: Working

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	рН		:	7.08	N.A.	APHA: (4500-H ⁺ B)22 nd Edition
2.	Total Dissolved Solids	mg/L	:	4172	N.A.	APHA: (2540 C) 22 nd Edition
3.	Suspended Solids	mg/L	:	48	N.A.	APHA: (2540 D) 22 nd Edition
4.	COD	mg/L	:	756	N.A.	APHA: (5220 B) 22 nd Edition
5.	BOD (3 days at 27 °C)	mg/L	:	225	N.A.	APHA: (5210 B) 22 nd Edition
6.	Oil & Grease	mg/L	:	<5.	N.A.	APHA: (5520 B) 22 nd Edition
7.	Mercury	mg/L	:	<0.001	N.A.	APHA: (3500 Hg) 22 nd Edition
8.	Elec. Conductivity	µmhos/cm	:	6128	N.A.	IS 14767:2000 Conductivity

Remark:

Authorised By -

Name : Sapana Amin

Designation: Laboratory Incharge

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT						
DOC NO FORE	Issue No.: 01	Issue Date: 05/12/2011				
DOC. NO.:F/035	Revision No.: 01	Revision Date: 01/12/2012				

REPORT NO.: MAR14/087/04

SAMPLE DETAILS

	5	AIVIPLE	DETAILS
1.	Name & Address of Client: M/s.Joshi Ter 701,Parshwanath E Square Pralhad Nag- Ahmedabad – 380 015, Gujarat (Oilfield	ar, Cor	
2.	Sample ID: 1314898246 -087MR14EF01	3.	Client Representative:Mg. Palak Kharadi
4.	Sample Date: 24.03.2014	5.	Sample Collected By: Mr. Javed Haveliwala
6.	Analysis commenced on: 25.03.2014	7.	Analysis Completed on: 04.04.2014
8.	Reporting Date: 05.04.2014	9.	Test Requirement: Effluent Analysis
10.	Packing Condition & Quantity: Sealed √	11.	Sample Category: Grab
12.	Sampling Location: Waste Water Pit Sample (RL-2 (DK # 38))	13.	ETP / ST? Status: Working

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	рН		:	6.87	N.A.	APHA: (4500-H ⁺ B)22 nd Edition
2.	Total Dissolved Solids	mg/L	:	3948	N.A.	APHA: (2540 C) 22 nd Edition
3.	Suspended Solids	mg/L	:	31	N.A.	APHA: (2540 D) 22 nd Edition
4.	COD	mg/L	:	770	N.A.	APHA: (5220 B) 22 nd Edition
5.	BOD (3 days at 27 °C)	mg/L	:	232	N.A.	APHA: (5210 B) 22 nd Edition
6.	Oil & Grease	mg/L	:	<5	N.A.	APHA: (5520 B) 22 nd Edition
7.	Mercury	mg/L	:.	<0.001	N.A.	APHA: (3500 Hg) 22 nd Edition
8.	Elec. Conductivity	µmhos/cm	:	5987	N.A.	IS 14767:2000 Conductivity

Remark:

Authorised By 🔯

Name : Sapana Amin

Designation: Laboratory Incharge

NOTE:

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPORT	- SOLID WASTE		
DOC NO : E/020	Issue No.: 01	Issue Date: 05/12/2011		
DOC. NO.: F/039	Revision No.: 00	Revision Date: 05/12/2011		

REPORT NO.: JUN13/025/06

1.	Name & Address of Client: M/s.Joshi Teo 701,Parshwanath E Square Pralhad Naga Ahmedabad – 380 015, Gujarat (Oilfield)	r, Cor						
2.	Sample ID: 1314898246 - 025JN13HW01	3.	Client Representative: Mr. Palak Kharadi					
4.	Sampling Date : 06.06.2013	5.	Sampling location : Barite Sample (NWA # 08)					
6.	Analysis commenced on: 06.06.2013 7. Analysis Completed on: 17.06.2013							
8.	Reporting Date: 17.06.2013	9.	Sample Collected By : Mr. Gaurang Rana					
10.	Test Requirement : Solid Waste Analysis	11.	Physical Status : Solid					
12.	Sample Category : - 13. Colour : Gray							
14.	Description of sample: Packed and sealed in polythene bags.							

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	Mercury	mg/L	:	<0.001	N.A.	APHA: (3500 Hg A) 21st Edition
Rema	rk:					
Author	rised By -			· .	·	
Name	: Sapana Amin			Designat	ion: Laboratory In	charge

NOTE:

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The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

Page 1 of 1

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPORT	- SOLID WASTE
DOC NO - E/030	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.: F/039	Revision No.: 00	Revision Date: 05/12/2011

REPORT NO.: JUL13/010/06

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Teo 701,Parshwanath E Square Pralhad Naga Ahmedabad – 380 015, Gujarat (Oilfield)	hnolog ar, Cor	A PART DELIVER OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE PAR
2.	Sample ID: 1314898246 - 010JL13HW01	3.	Client Representative:Mr. Palak Kharadi
4.	Sampling Date : 01.07.2013	5.	Sampling location : Barite Sample (NWA # 65)
6.	Analysis commenced on: 04.07.2013	7.	Analysis Completed on: 08.07.2013
8.	Reporting Date: 09.07.2013	9.	Sample Collected By : Mr. Vipul Dabhi
10.	Test Requirement : Solid Waste Analysis	11.	Physical Status : Solid
12.	Sample Category : -	13.	Colour : Gray
14.	Description of sample: Packed and sealed in	polythe	ne bags.

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used	
1.	Mercury	mg/L	:	<0.001	N.A.	APHA: (3500 Hg A) 21st Edition	
Rema Author	rk:	<i>†</i>					
	: Sapana Amin			Designat	ion: Laboratory In	charge	

NOTE:

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 END	OF	REPORT	

Page 1 of 1

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Page 1 of 1

ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – SOLID WASTE						
DOC NO - E/020	Issue No.: 01	Issue Date: 05/12/2011				
DOC. NO.: F/039	Revision No.: 00	Revision Date: 05/12/2011				

REPORT NO.: AUG13/012/06

SAMPLE DETAILS

		<u>56</u>	//4// PP	DETAILS
	1.	Name & Address of Client: M/s.Joshi Tec 701,Parshwanath E Square Pralhad Naga Ahmedabad – 380 015, Gujarat (Oilfield)	r, Cor	
	2.	Sample ID: 1314898246 -012AU13HW01	3.	Client Representative: Palak Kharadi
	4.	Sampling Date: 05.08.2013	5.	Sampling location : Barite Sample (NWA # 18)
	6.	Analysis commenced on: 06.08.2013	7.	Analysis Completed on: 13.08.2013
	8.	Reporting Date: 14.08.2013	9.	Sample Collected By: Mr. Gaurang Rana
(6)	10.	Test Requirement : Solid Waste Analysis	11.	Physical Status : Solid
(0)	12.	Sample Category : -	13.	Colour : Gray
	14.	Description of sample: Packed and sealed in p	olythe	ne bags.

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		<u>Results</u>	Specification/ SPCB Norms	Method Used
1.	Mercury	mg/L	:	<0.001	N.A.	APHA: (3500 Hg A) 22 nd Edition
Rema Author	rk :					
Name	: Sapana Amin			Designation	on: Laboratory Inc	charge

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST REPORT	- SOLID WASTE
DOC NO - E/020	Issue No.: 01	Issue Date: 05/12/2011
DOC. NO.: F/039	Revision No.: 00	Revision Date: 05/12/2011

REPORT NO.: FEB14/091/08

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Teo 701,Parshwanath E Square Pralhad Naga Ahmedabad – 380 015, Gujarat (Oilfield)	ar, Cor	
2.	Sample ID: 1314898246 -091FB14HW01	3.	Client Representative:Mr. Palak Kharadi
4.	Sampling Date : 24.02.2014	5.	Sampling location : Barite Sample (RLI (DK # 37))
6.	Analysis commenced on: 25.02.2014	7.	Analysis Completed on:. 14.03.2014
8.	Reporting Date: 14.03.2014	9.	Sample Collected By : Mr. Gaurang Rana
10.	Test Requirement : Solid Waste Analysis	11.	Physical Status : Solid
12.	Sample Category : -	13.	Colour : Grey
14.	Description of sample: Packed and sealed in	polythe	ne bags.

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms	Method Used
1.	Mercury	mg/L	:	<0.00002	N.A.	APHA: (3500 Hg A) 22 nd Edition
Rema Autho	rised By -	1				
P	: Sapana Amin			Designat	ion: Laboratory Ir	ncharge

NOTE:

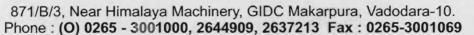
- Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

----END OF REPORT---

Page 1 of 1

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – SOLID WASTE							
DOC. NO.: F/039	Issue No.: 01	Issue Date: 05/12/2011					
DOC. NO.: F/039.	Revision No.: 00	Revision Date: 05/12/2011					

REPORT NO.: MAR14/087/06

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Tec 701,Parshwanath E Square Pralhad Naga Ahmedabad – 380 015, Gujarat (Oilfield)	r, Cor	
2.	Sample ID: 1314898246 -087MR14HW01	3.	Client Representative:Mr. Palak Kharadi
4.	Sampling Date : 24.03.2014	5.	Sampling location : Barite Sample (RL-2 (DK # 38))
6.	Analysis commenced on: 25.03.2014	7.	Analysis Completed on: 04.04.2014
8.	Reporting Date: 05.04.2014	9.	Sample Collected By : Mr. Gaurang Rana
10.	Test Requirement : Solid Waste Analysis	11.	Physical Status : Solid
12.	Sample Category : -	13.	Colour : Grey
14.	Description of sample: Packed and sealed in p	oolythe	ne bags.

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms	Method Used
1.	Mercury	mg/L :	<0.00002	N.A.	APHA: (3500 Hg A) 22 nd Edition
Rema Author	rk:	(d)		·	<u> </u>
Name	: Sapana Amin		Designat	ion: Laboratory In	charge

NOTE:

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

Page 1 of 1

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 3001000, 2644909, 2637213 Fax: 0265-3001069



ENVIRONMENTAL MONITORING REPORT

OC. I. D.: ISO-KEC-EFF, ANA, R.

REV.: 00

BIOASSAY TEST FOR M/s. Joshi Technologies International Inc, (oilfield) for the Month of June 2013.

Bioassay Method For Evaluation Of Acute Toxicity Of Industrial Effluent: -(Test Procedures As Per Is 6582 (Part 2) 2001)

1. GENERAL PRINCIPLES:

Fish are affected by toxic substances chiefly in the following two ways:

- a. Epithelia absorb toxic substances, getting damaged in this process, for instance, the gills stick together or get congested with mucus and get destroyed.
- b. Besides the above immediate effects, harmful substances are adsorbed through the gills, skin or intestine, thereby impairing physiological functions. These effects may ultimately lead to the death of fish.

These toxic effects are determined in terms of the death of the test organism in standard dilution series of wastewater samples with standard dilution water.

2. SAMPLING:

Representative sample of Final Treated Discharge Collected on 05.06.2013

3. MATERIAL

Test-Fish Species - Brachydanio rerio (Zebra fish) is having a size of 30± 5mm corresponding to approximately 0.2 to 0.3 g ofmass.

4. BIOASSAY TEST CONDITIONS ARE AS FOLLOWS:

- i) 24 hours prior to the test, the feeding was stopped.
- ii) Fish for a single test selected from a tank with the population of the same stock.
- After obtaining the correct temperature, 5 fishes shall be placed in each of the vessel. The fishes were selected randomly from the stock population and distributed at random in the various vessels with the help of a small fine-mesh dip net of soft inert material.
- iv) Samples and test solutions not aerated or treated.
- v) The duration of the test was 96 hours.
- vi) The counting of the dead fish in each vessel was taken at 2, 4, 6, 24, 48 and 96 hours respectively.
- vii) D.O. concentration, pH and Temperature were measured at the beginning of the test, 24 and 48 hours.
- viii) All these tests were carried out under normal laboratory illumination with natural light.
- ix) The temperature was maintained at $25\pm1^{\circ}$ C.

All other conditions and procedures are followed as per the IS 6582 (Part 2) 2001.

BIOASSAY TEST FOR M/s.Joshi Technologies International Inc., (oilfield) For Month of June 2013

OBSERVATION TABLE

Sr. No.		Ratio of Waste Water to Test Water	Part of the Dilution Water to be added to 1 part of Waste Water	Survival after						
	Dilution Factor `T' *			2 hrs.	6 hrs.	24 hrs.	48 hrs.	96 hrs.	% Survival	
1	1	1:1	0	√	V	√		V	100%	
2	2	1:2	1	√	V	V	√	V	100%	
3	4	1:4	3	V	V	V	V	V	100%	
4	8	1:8	7	V	√	V	√	V	100%	
5	16	1:16	15	V	V	V	V	V	100%	
6	32	1:32	31	V	V	V	V	V	100%	
7	64	1:64	63	√	√	V	\checkmark	V	100%	
8	125	1:125	124	V	V	V	V	V	100%	
9	250	1:250	249	√	V	V	V	V	100%	
10	500	1:500	499	V	V	V	V	V	100%	
11	1000	1:1000	999	V	V	V	V	V	100%	

^{*} Dilution Factor = Test Water / Waste Water

CONCLUSIONS:

There is 100% survival of fishes at zero dilution, which shows that the effluent is Nontoxic in nature.

For KADAM ENVIRONMENTAL CONSULTANTS

Tooted Du

Approved By -

An ISO 9001-2008 Certified Company

(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC-EFF. ANA. R.	REV.: 01	Rev.Date:01.12.2010
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BIOASSAY TEST FOR

M/s. Joshi Technologies International Ahmedabad For the Month of July 2013.

Bloassay Method For Evaluation Of Acute Toxicity Of Industrial Effluent: - (Test Procedures As Per Is 6582 (Part 2) 2001)

1. GENERAL PRINCIPLES:

Fish are affected by toxic substances chiefly in the following two ways:

- a. Epithelia absorb toxic substances, getting damaged in this process, for instance, the gills stick together or get congested with mucus and get destroyed.
- b. Besides the above immediate effects, harmful substances are adsorbed through the gills, skin or intestine, thereby impairing physiological functions. These effects may ultimately lead to the death of fish.

These toxic effects are determined in terms of the death of the test organism in standard dilution series of wastewater samples with standard dilution water.

2. SAMPLING:

Representative sample of Final Treated Discharge Collected on <u>01.07.2013 (NWA # 6S)</u>

3. MATERIAL

Test-Fish Species

Brachydanio rerio (Zebra fish), having a size of $30\pm$ 5mm corresponding to approximately 0.2 to 0.3 q of mass.

4. BIOASSAY TEST CONDITIONS ARE AS FOLLOWS:

- i) 24 hours prior to the test, the feeding was stopped.
- ii) Fish for a single test selected from a tank with the population of the same stock.
- iii) After obtaining the correct temperature, 5 fishes shall be placed in each of the vessel. The fishes were selected randomly from the stock population and distributed at random in the various vessels with the help of a small fine-mesh dip net of soft inert material.
- iv) Samples and test solutions not aerated or treated.
- v) The duration of the test was 96 hours.
- vi) The counting of the dead fish in each vessel was taken at 2, 4, 6, 24, 48 and 96 hours respectively.
- vii) D.O. concentration, pH and Temperature were measured at the beginning of the test, 24 and 48 hours.
- viii) All these tests were carried out under normal laboratory illumination with natural light.
- ix) The temperature was maintained at $25\pm1^{\circ}$ C.

All other conditions and procedures are followed as per the IS 6582 (Part 2) 2001.

BIOASSAY TEST FOR Joshi Technologies International Ahmedabad For Month of July 2013.

OBSERVATION TABLE

Sr. No.	Part of the	Survival after							
	Dilution Water to be added to 1 part of Waste Water	2 hrs.	6 hrs.	24 hrs.	48 hrs.	96 hrs.	% Survival		
1	0	V	V	<u> </u>	√	V	100%		
2	1	√	√	√	√	V	100%		
3	3	√	√	V	√ /	V	100%		
4	7	√	√	V	√	V	100%		
5	15	√	√	√	√	√	100%		
6	31	√		V	√	√	100%		
7	63	√	V	√	√	√	100%		
8	124	V	√ ·	√	√	V	100%		
9	249	√	√	$\sqrt{}$	√	V	100%		
10	499	√	√	√	√	V	100%		
11	999	V	√	√	√	√	100%		

CONCLUSIONS:

There is 100% survival of fishes at zero dilution, which shows that the effluent is Nontoxic in nature.

For KADAM ENVIRONMENTAL CONSULTANTS

Tested By -

An ISO 9001-2008 Certified Company

(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC-EFF. ANA. R.

REV.: 01

Rev.Date:01.12.2010

8IOASSAY TEST FOR

M/s. Joshi Technologies International Ahmedabad For the Month of August 2013.

Bioassay Method For Evaluation Of Acute Toxicity Of Industrial Effluent: - (Test Procedures As Per Is 6582 (Part 2) 2001)

1. GENERAL PRINCIPLES:

Fish are affected by toxic substances chiefly in the following two ways:

- a. Epithelia absorb toxic substances, getting damaged in this process, for instance, the gills stick together or get congested with mucus and get destroyed.
- b. Besides the above immediate effects, harmful substances are adsorbed through the gills, skin or intestine, thereby impairing physiological functions. These effects may ultimately lead to the death of fish.

These toxic effects are determined in terms of the death of the test organism in standard dilution series of wastewater samples with standard dilution water.

2. SAMPLING:

Representative sample of Final Treated Discharge Collected on **OS.08.2013 (NWA # 1B)**

3. MATERIAL

Test-Fish Species

Brachydanio rerio (Zebra fish), having a size of $30\pm$ 5mm corresponding to approximately 0.2 to 0.3 q of mass.

4. BIOASSAY TEST CONOITIONS ARE AS FOLLOWS:

- i) 24 hours prior to the test, the feeding was stopped.
- ii) Fish for a single test selected from a tank with the population of the same stock.
- iii) After obtaining the correct temperature, 5 fishes shall be placed in each of the vessel. The fishes were selected randomly from the stock population and distributed at random in the various vessels with the help of a small fine-mesh dip net of soft inert material.
- iv) Samples and test solutions not aerated or treated.
- v) The duration of the test was 96 hours.
- vi) The counting of the dead fish in each vessel was taken at 2, 4, 6, 24, 48 and 96 hours respectively.
- vii) D.O. concentration, pH and Temperature were measured at the beginning of the test, 24 and 48 hours.
- viii) All these tests were carried out under normal laboratory illumination with natural light.
- ix) The temperature was maintained at 25±1°C.

All other conditions and procedures are followed as per the IS 6582 (Part 2) 2001.

BIOASSAY TEST FOR Joshi Technologies International Ahmedabad For Month of August 2013.

OBSERVATION TABLE

Sr. No.	Part of the	Survival after							
	Oilution Water to be added to 1 part of Waste Water	2 hrs.	6 hrs.	24 hrs.	48 hrs.	96 hrs.	% Survival		
1	0	√	√	√	V	√	100%		
2	1	V	7	√	V	√	100%		
3	3	V	√	√	√	V	100%		
4	7	√	V	V	V	√	100%		
5	15	V	V	√ · ·	√	√	100%		
6 .	31	V	√ ·	√	√	√	100%		
7	63	√	√	√	√	V	100%		
8	124	V	V	√°	√	$\sqrt{}$	100%		
9	249	√	V	√	√	√	100%		
10	499	√	√	√	√	V	100%		
11	999	√	$\sqrt{}$	√	√	√	100%		

CONCLUSIONS:

There is 100% survival of fishes at zero dilution, which shows that the effluent is Nontoxic in nature.

FOR KAOAM ENVIRONMENTAL CONSULTANTS

Tested By -

Apprověd By -

An ISO 9001-2008 Certified Company

(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC-EFF. ANA. R. REV.: 01 Rev.Date: 01.12.2010

BIOASSAY TEST FOR

M/s. Joshi Technologies International Inc For the Month of February 2014.

Bioassay Method For Evaluation Of Acute Toxicity Of Industrial Effluent: (Test Procedures As Per Is 6582 (Part 2) 2001)

1. GENERAL PRINCIPLES:

Fish are affected by toxic substances chiefly in the following two ways:

- a. Epithelia absorb toxic substances, getting damaged in this process, for instance, the gills stick together or get congested with mucus and get destroyed.
- b. Besides the above immediate effects, harmful substances are adsorbed through the gills, skin or intestine, thereby impairing physiological functions. These effects may ultimately lead to the death of fish.

These toxic effects are determined in terms of the death of the test organism in standard dilution series of wastewater samples with standard dilution water.

2. SAMPLING:

Representative sample of Final Treated Discharge Collected on 24.02.2014

3. MATERIAL

Test-Fish Species

Brachydanio rerio (Zebra fish), having a size of 30± 5mm corresponding to approximately 0.2 to 0.3 g of mass.

4. BIOASSAY TEST CONDITIONS ARE AS FOLLOWS:

- i) 24 hours prior to the test, the feeding was stopped.
- ii) Fish for a single test selected from a tank with the population of the same stock.
- iii) After obtaining the correct temperature, 5 fishes shall be placed in each of the vessel. The fishes were selected randomly from the stock population and distributed at random in the various vessels with the help of a small fine-mesh dip net of soft inert material.
- iv) Samples and test solutions not aerated or treated.
- v) The duration of the test was 96 hours.
- vi) The counting of the dead fish in each vessel was taken at 2, 4, 6, 24, 48 and 96 hours respectively.
- vii) D.O. concentration, pH and Temperature were measured at the beginning of the test, 24 and 48 hours.
- viii) All these tests were carried out under normal laboratory illumination with natural light.
- ix) The temperature was maintained at $25\pm1^{\circ}$ C.

All other conditions and procedures are followed as per the IS 6582 (Part 2) 2001:

BIOASSAY TEST FOR Joshi Technologies International Inc. For Month of February 2014.

Kadam Environmental Consultants

OBSERVATION TABLE

Sr. No.	Part of the	Survival after						
	Dilution Water to be added to 1 part of Waste Water	2 hrs.	6 hrs.	24 hrs.	48 hrs.	96 hrs.	% Survival	
1	0	√	√	✓	√	√	100%	
2	1	√	√	√	√	√	100%	
3	3	√	√	√	√	√	100%	
4	7	√	√	√	√	√	100%	
5	15	V	√ √	√	√	√	100%	
6	31	√	√	√	√	√	100%	
7	63	√	√	√	√	√	100%	
8	124	√	√	√	√¹	√	100%	
9	249	√	√	√	√	√	100%	
10	499	√	√	√	√,	√	100%	
11	999	√	√	V	V	√	100%	

CONCLUSIONS:

There is 100% survival of fishes at zero dilution, which shows that the effluent is Nontoxic in nature.

For KADAM ENVIRONMENTAL CONSULTANTS

Tested By -

Approved By -

An ISO 9001-2008 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 3001000, 2644909, 2637213 Fax: 0265-3001069



ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC-EFF. ANA. R.

REV.: 01

Rev.Date:01.12.2010

BIOASSAY TEST FOR

M/s. Joshi Technologies International Inc For the Month of March 2014.

Bioassay Method For Evaluation Of Acute Toxicity Of Industrial Effluent: (Test Procedures As Per Is 6582 (Part 2) 2001)

1. GENERAL PRINCIPLES:

Fish are affected by toxic substances chiefly in the following two ways:

- Epithelia absorb toxic substances, getting damaged in this process, for instance, the gills stick together or get congested with mucus and get destroyed.
- b. Besides the above immediate effects, harmful substances are adsorbed through the gills, skin or intestine, thereby impairing physiological functions. These effects may ultimately lead to the death of fish.

These toxic effects are determined in terms of the death of the test organism in standard dilution series of wastewater samples with standard dilution water.

2. SAMPLING:

Representative sample of Final Treated Discharge Collected on 24.03.2014

3. MATERIAL

Test-Fish Species

■ Brachydanio rerio (Zebra fish), having a size of 30± 5mm corresponding to approximately 0.2 to 0.3 g of mass.

4. BIOASSAY TEST CONDITIONS ARE AS FOLLOWS:

- i) 24 hours prior to the test, the feeding was stopped.
- ii) Fish for a single test selected from a tank with the population of the same stock.
- iii) After obtaining the correct temperature, 5 fishes shall be placed in each of the vessel. The fishes were selected randomly from the stock population and distributed at random in the various vessels with the help of a small fine-mesh dip net of soft inert material.
- iv) Samples and test solutions not aerated or treated.
- v) The duration of the test was 96 hours.
- vi) The counting of the dead fish in each vessel was taken at 2, 4, 6, 24, 48 and 96 hours respectively.
- vii) D.O. concentration, pH and Temperature were measured at the beginning of the test, 24 and 48 hours.
- viii) All these tests were carried out under normal laboratory illumination with natural light.
- ix) The temperature was maintained at 25±1°C.

All other conditions and procedures are followed as per the IS 6582 (Part 2) 2001.

BIOASSAY TEST FOR Joshi Technologies International Inc. For Month of March 2014.

OBSERVATION TABLE

Sr. No.	Part of the	Survival after						
	Dilution Water to be added to 1 part of Waste Water	2 hrs.	6 hrs.	24 hrs.	48 hrs.	96 hrs.	% Survival	
1	0	√	√	√	√	√	100%	
2	1	V	V	V	V	V	100%	
3	3	V	√	√	V	V	100%	
4	7	V	V	√	√	√	100%	
5	15	V	√	V	√	√	100%	
6	31	√	√	√ /	√	V	100%	
7	63	√	V	V	V	√	100%	
8.	124	√	V	√ √	V	√	100%	
9 -	249	√	V	√	√	V	100%	
10	499	√	√	√	√	V	100%	
11	999	√	V	√	√	√	100%	

CONCLUSIONS:

There is 100% survival of fishes at zero dilution, which shows that the effluent is Nontoxic in nature.

For KADAM ENVIRONMENTAL CONSULTANTS

Tested By -

Approved By -

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(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC- NOI, LEV, ANA. R. REV.: 00

M/s.Joshi Technologies International Inc, (NWA # 08)

NOISE LEVEL DATA SHEET

Sampling Station: Nr. Drilling Ring
Sampling Date: 03.06.2013

Reporting Date: 17.06.2013

Time (day)	Noise Level dB(A)	Time (night)	Noise Level dB(A)
7.00 am	61.0	22.00 pm	53.0
8.00 am	58.0	23.00 pm	55.0
9.00 am	59.0	24.00 pm	55.9
10.00 am	60.0	1.00 am	43.0
11.00 am	61.0	2.00 am	40.0
12.00 pm	62.0	3.00 am	41.1
13.00 pm	63.0	4.00 am	42.0
14.00 pm	63.0	5.00 am	42.2
15.00 pm	61.0	6.00 am	45.0
16.00 pm	61.1		
17.00 pm	63.0		Modes
18.00 pm	58.0		
19.00 pm	59.0		
20.00 pm	56.0		
21.00 pm	57.0		
Average (leq)	60.1	Average (leq)	46.4

For Kadam Environmental Consultants,

Tested By-

An ISO 9001-2008 Certified Company

(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC- NOI. LEV. ANA. R. REV.: 00

M/s.Joshi Technologies International Inc, (NWA # 65)

NOISE LEVEL DATA SHEET

Sampling Station:

Nr. Drilling Ring

Sampling Date:

02.07.2013

Reporting Date:

09.07.2013

Time (day)	Noise Level dB(A)	Time (night)	Noise Level dB(A)	
7.00 am	62.0	22.00 pm	60.0	
8.00 am	59.0	23.00 pm	56.0	
9.00 am	61.0	24.00 pm	57.0	
10.00 am	61.1	1.00 am	59.0	
11.00 am	62.0	2.00 am	60.0	
12.00 pm	65.0	3.00 am	63.0	
13.00 pm	65.0	4.00 am	62.0 61.0 59.0	
14.00 pm	62.9	5.00 am		
15.00 pm	63.0	6.00 am		
16.00 pm	64			
17.00 pm	64.0			
18.00 pm	56.0			
19.00 pm	55.0			
20.00 pm	54.0			
21.00 pm	53.0			
Average (leq)	60.5	Average (leq)	59.7	

For Kadam Environmental Consultants,

Tested By-

An ISO 9001-2008 Certified Company

(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

DOC. I. D.: ISO-KEC- NOI. LEV. ANA. R. REV.: 00

M/s.Joshi Technologies International Inc, (NWA # 18)

NOISE LEVEL DATA SHEET

Sampling Station :

Nr. Drilling Ring

Sampling Date:

05.08.2013

Reporting Date :

14.08.2013

Time (day)	Noise Level dB(A)	Time (night)	Noise Level dB(A)
7.00 am	65.0	22.00 pm	50.0
8.00 am	60.0	23.00 pm	51.0
9.00 am	63.0	24.00 pm	52.0
10.00 am	65.0	1.00 am	43.0
11.00 am	64.0	2.00 am	55.0
12.00 pm	66.0	3.00 am	58.0
13.00 pm	61.0	4.00 am	60.0
14.00 pm	63.0	5.00 am	61.0
15.00 pm	61.9	6.00 am	58.8
16.00 pm	63.3		
17.00 pm	51.0	- 12m	
18.00 pm	52.0		
19.00 pm	53.0		STATE OF THE STATE OF
20.00 pm	54.0		
21.00 pm	53.0	2010-8	
Average (leq)	59.7	Average (leq)	54.3

For Kadam Environmental Consultants,

Tested By-

An ISO 9001-2008 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: **(O)** 0265 - 3001000, 2644909, 2637213 Fax: 0265-3001069



ENVIRONMENTAL MONITORING REPORT

DOC. I. D. : ISO-KEC- NOI. LEV. ANA. R. REV. : 00

M/s.Joshi Technologies International Inc, RLI (DK#37)

NOISE LEVEL DATA SHEET

Sampling Station :

Nr. Drilling Ring

Sampling Date:

24.02.2014

Reporting Date:

15.03.2014

Time (day)	Noise Level dB(A)	Time (night)	Noise Level dB(A)	
7.00 am	61.0	22.00 pm	48.0	
8.00 am	60.0	23.00 pm	50.0	
9.00 am	57.0	24.00 pm	51.0	
10.00 am	58.0	1.00 am	52.0	
11.00 am	59.0	2.00 am	53.0	
12.00 pm	60.2	3.00 am	54.0	
13.00 pm	61.0	4.00 am	48.0	
14.00 pm	61.0	5.00 am	52.0	
15.00 pm	53.0	6.00 am	50.0	
16.00 pm	62.5			
17.00 pm	59.0			
18.00 pm	57.0			
19.00 pm	55.0			
20.00 pm	53.0			
21.00 pm	54.0			
Average (leq)	58.0	Average (leq)	50.9	

For Kadam Environmental Consultants,

Tested By-

An ISO 9001-2008 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 3001000, 2644909, 2637213 Fax: 0265-3001069



ENVIRONMENTAL MONITORING REPORT

DOC. I. D. : ISO-KEC- NOI. LEV. ANA. R.

REV.: 00

M/s.Joshi Technologies International Inc, (RL-2 (DK # 38))

NOISE LEVEL DATA SHEET

Sampling Station :

Nr. Drilling Ring

Sampling Date:

24.03.2014

Reporting Date :

05.04.2014

Time (day)	Noise Level dB(A)	Time (night)	Noise Level dB(A)
7.00 am	59.0	22.00 pm	45.0
8.00 am	65.0	23.00 pm	43.0
9.00 am	58.0	24.00 pm	43.0
10.00 am	55.0	1.00 am	44.0
11.00 am	53.0	2.00 am	51.0
12.00 pm	60.2	3.00 am	52.0
13.00 pm	62.0	4.00 anı	45.0
14.00 pm	62.0	5.00 am	52.0
15.00 pm	53.0	6.00 am	45.0
16.00 pm	55		
17.00 pm	53.0		
18.00 pm	58.0		
19.00 pm	54.0		
20.00 pm	53.0		
21.00 pm	56.0		
verage (leq)	57.1	Average (leq)	46.7

For Kadam Environmental Consultants,

Tested By-

An ISO 9001-2008 Certified Company

(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

		LABOR	ATC	DRY TEST	REPORT - STACK					
DC	C. NO.: F/037	Issue No.:			Issue	e Date: 05/12/2011				
	Revision No.: (Revisi	on Date: 05/12/2011				
	REPORT NO.: JUN13/025/0		5	SAMPLE D	ETAILS					
	Name & Address of Client:	M/s.Joshi Tecl			And the second s					
1.	701, Parshwanath E Square									
	Ahmedabad - 380 015, Gu	iarat (Oilfield)								
2.	Sample ID: 1314898246 - (25JN13SE01		3. Clie	nt Representative: Ms	Palak Kharadi				
4.	Sample Date: 05.06.2013			5. San	npling Location : D.G.S	et - 1 (NWA # 08)				
6.	Sampling Time: 15:30 hr			7. San	Sampling Duration: 10 Mins					
	Analysis commenced on: 0	7.06.2013		9. Ana	Analysis Completed on : 08.06.2013					
10.	Reporting Date: 17.06.2013		5/6	11. San	ample Collected By:Mr. Gaurang Rana					
12.	Test Requirement: Stack Ai	r Monitoring	1	13. Sampling Procedure: IS Method						
14.	Description of Sample: S	ampling Bottle	s: 5	Sealed √	Thimble:Packed√	Bladder: Clamped√				
		- Indiana		STACK DE	TAILS					
S.No.	<u>Parameters</u>	Unit (SI)	100	<u>Description</u>						
1.	Source		:	D.G.Set - 1						
2.	Height	m	:	4						
3.	Diameter	mm		150						
4.	Temperature	°c	1:	345						
5.	Velocity	m/s	:	10.4						
6.	Type of fuel used		:	HSD						
7.	Quantity of fuel used	lit/day	2 2	800						
.No.	<u>Parameters</u>	<u>Unit</u>		Result	Specification/ SPCB Norms	Method Used				
	Particulate Matter	mg/Nm ³	:	27	N.A.	IS 11255 (Part 1): 1985				
2.	Sulphur Dioxide(SO ₂)	mg/Nm ³	:	7.68 (2.93 ppr	N.A.	IS 11255 (Part 2): 1985				
3.	Oxides of Nitrogen (NOx)	mg/Nm³	:	8.78 (4.67 ppr	n) N.A.	IS 5182 (Part 6): 2006				
4.	Hydrocarbon(HC)	mg/Nm ³	:	1.48	N.A.	Gas Chromatography				
5.	VOC	mg/Nm ³	:	N.D.	N.A.	Gas Chromatography				
6.	Mercury	mg/Nm ³	1:1	N.D.	N.A.	APHA: (3500 Hg A) 2156 Edition				

Remark : N.D :- Not Detected
Authorized By -

Name: Sapana Artini

Designation: Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

----END OF REPORT-----

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ENVIRONMENTAL MONITORING REPORT

		LABORA	TO	RY TEST RE	PORT - STACK			
DC	OC. NO.: F/037	Issue No.: 0	331	KI ILSI KL	AND THE PERSON OF THE PERSON O	Date: 05/12/2011		
1	Revision No.:					n Date: 05/12/2011		
	REPORT NO.: JUN13/025/	THE RESIDENCE AND PROPERTY OF THE PROPERTY OF	-		Kevisioi	. Batc. 03/12/E071		
			<u>s</u>	AMPLE DET	AILS			
1.	Name & Address of Client 701,Parshwanath E Squar Ahmedabad – 380 015, G	e Pralhad Nagar,						
2.	Sample ID: 1314898246 -	025JN13SE02		3. Client	Representative: Mc P	alak Kharadi		
4.	Sample Date: 05.06.2013			5. Sampl	ing Location : D.G.Set	- 2 (NWA # 08)		
6.	Sampling Time: 16:00 hr				ing Duration:10 Mins			
0	Analysis commenced on:	07.06.2013	M	9. Analys	is Completed on : 08	.06.2013		
19.	Reporting Date: 17.06.20	CONTRACTOR OF THE PARTY OF THE		11. Sample	Sample Collected By:Mr. Gaurang Rana			
12.	Test Requirement: Stack	and the second second second		13. Sampling Procedure: IS Method				
14.	Description of Sample:	Sampling Bottles	s: S	sealed √	Thimble:Packed√	Bladder: Clamped √		
			5	STACK DETA	ILS			
S.No. Parameters Unit (SI) Description								
1.	Source		:	D.G.Set - 2				
2.	Height	m		4				
3.	Diameter	mm	4.	150				
4.	Temperature	°c	:	320				
5.	Velocity	m/s_	:	10.08				
6.	Type of fuel used		:	HSD				
7.	Quantity of fuel used	lit/day	:	800	The state of the s			
S.No.	<u>Parameters</u>	<u>Unit</u>		Results	Specification/ SPCB Norms	Method Used		
0	Particulate Matter	mg/Nm ³		22	N.A.	IS 11255 (Part 1): 1985		
2.	Suiphur Dioxide(SO ₂)	mg/Nm³	:	8.65 (3.30 ppm)	N.A.	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	mg/Nm³	:	7.26 (3.86 ppm)	N,A.	IS 5182 (Part 6): 2006		
4.	Hydrocarbon(HC)	mg/Nm ³		1.47	N.A.	Gas Chromatography		
5.	VOC	mg/Nm ³	<u> : </u>	N.D.	N.A.	Gas Chromatography		
6.	Mercury	mg/Nm³	:	N.D.	N.A.	APHA: (3500 Hg A) 21st Editio		

Name: Sapana Amin Designation: Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

Remark: N.D :- Not Detected

Authorized By -

-----END OF REPORT-----

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ENVIRONMENTAL MONITORING REPORT

		LABOR	ATC	ORY TEST RE	PORT - STACK			
DC	OC. NO.: F/037	Issue No.:	01		Issue	Date: 05/12/2011		
2117	Revision No.:			0	Revision	Date: 05/12/2011		
	REPORT NO.: JUL13/010/	<u>01</u>						
			5	SAMPLE DET	AILS			
1.	Name & Address of Client 701,Parshwanath E Squar Ahmedabad – 380 015, G	e Pralhad Naga						
2.	Sample ID: 1314898246 -	010JL13SE01		3. Client	Representative: Mr. P	alak Kharadi		
4.	Sample Date: 01.07.2013		Y.	5. Sampl	ing Location : D.G.Set	-1 (NWA# 65)		
6.	Sampling Time: 15:20 hr	- 100		and the second s	ing Duration:10 Mins			
8.	CONTRACT TO SELECT AND ADDRESS OF THE PARTY	analysis commenced on: 04.07.2013			is Completed on: 05.	07.2013		
10.	Reporting Date: 09.07.20	13		11. Sample	mple Collected By: Mr.Vipul Dabhi			
12.	Test Requirement: Stack	Air Monitoring	1	13. Sampling Procedure: IS Method				
14.	Description of Sample:	Sampling Bottle	s: 5	Sealed √	Thimble:Packed√	Bladder: Clamped√		
ec.				STACK DETA	ILS			
.No.	Parameters	Unit (SI)	H	Maria Maria	Desci	iption		
1.	Source		:	D.G.Set - 1 (NWA# 65)				
2.	Height	m	:	4				
3.	Diameter	mm	:	150				
4.	Temperature	°c	:	130		ENSULE DESIGN		
5.	Velocity	m/s	:	10.6				
6.	Type of fuel used			HSD		元·安华		
7.	Quantity of fuel used	lit/day	:	800	JI .a			
No.	<u>Parameters</u>	Unit		Results	Specification/ SPCB Norms	Method Used		
1.	Particulate Matter	mg/Nm³	1:	30	N.A.	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	mg/Nm³	:	29.79 (11.37ppm)	N.A.	IS 11255 (Part 2): 1985		
	Outline of Nitherney (NOV)	mg/Nm³	:	11,22 (5.97 ppm)	N.A.	IS 5182 (Part 6): 2006		
3.	Oxides of Nitrogen (NOx)		1	(3.3. PP)				
	Hydrocarbon(HC)	mg/Nm ³	1:	0.41	N.A.	Gas Chromatography		
3. 4. 5.		mg/Nm ³ mg/Nm ³ mg/Nm ³	 : :		N.A. N.A.	Gas Chromatography Gas Chromatography APHA: (3500 Hq A) 21 st Edition		

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

Designation: Lab Incharge

3) The results reported above relate to the sample identified under Sample Details.

Name : Sapana Amin

-----END OF REPORT-----

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ENVIRONMENTAL MONITORING REPORT

	LABORATORY TEST RE	PORT - STACK
DOC. NO.: F/037	Issue No.: 01	Issue Date: 05/12/2011
	Revision No.: 00	Revision Date: 05/12/2011

REPORT NO.: JUL13/010/02

SAMPLE DETAILS

12. 14.	Test Requirement: Stack Description of Sample:	Air Monitoring Sampling Bottles	13.	The state of the s	ng Procedure: IS Metho Thimble: Packed√	od Bladder: Clamped √	
10.	Reporting Date: 09.07.2013			Sample Collected By: Mr.Vipul Dabhi			
).	Analysis commenced on: 04.07.2013			Analysis Completed on: 05.07.2013			
6.	Sampling Time: 15:40 hr			Sampling Duration:10 Mins			
4.	Sample Date: 01.07.2013		5.	Samplin	Sampling Location: D.G.Set - 2 (NWA# 65)		
2.	Sample ID: 1314898246 - 010JL13SE02		3.	Client F	Client Representative: Mg. Palak Kharadi		
1.	Name & Address of Clie 701,Parshwanath E Squ Ahmedabad – 380 015,	are Pralhad Nagar,					

1.	Source	of benefit - Di		D.0.001(ADDITION OF THE RESERVE OF THE RESER		
2.	Height	m	:	4				
3.	Diameter	mm	:	150		7.35.39		
4.	Temperature	· °C	:	194	194			
5.	Velocity	m/s	;	11.0	11.0			
6.	Type of fuel used	AL RECEIVE	:	HSD				
7.	Quantity of fuel used	lit/day	:	800				
S.No.	<u>Parameters</u>	<u>Unit</u>		Results	Specification/ SPCB Norms	Method Used		
Oi.	Particulate Matter	mg/Nm ³	:	24	N.A.	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	mg/Nm ³	:	32.67 (12.47 ppm)	N.A.	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	mg/Nm³	:	15.04 (8.00 ppm)	N.A.	IS 5182 (Part 6) : 2006		

D.G.Set - 2 (NWA# 65)

6. Mercury

Remark: N.D:- Not Detected

Hydrocarbon(HC)

Name : Sapana Amin

VOC

4.

5.

Designation : Lab Incharge

N.A.

N.A.

N.A.

NOTE: 1)

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(8.00 ppm) 0.96

N.D.

N.D.

- Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

mg/Nm³

mg/Nm³

mg/Nm³

-----END OF REPORT-----

Page 1 of 1

Gas Chromatography

Gas Chromatography

APHA: (3500 Hg A) 21st Edition

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ENVIRONMENTAL MONITORING REPORT

1		LABORA	TC	DRY TEST	REPORT - STACK			
DC	C. NO.: F/037	Issue No.:	_		e Date: 05/12/2011			
	DEDODE 110 411040104	Revision No.	: 00	0	Revision	on Date: 05/12/2011		
	REPORT NO.: AUG13/012/	<u>)1</u>		AMDI E D	ETATIC			
			1	SAMPLE D		The state of the state of the		
1.	Name & Address of Client:							
	701, Parshwanath E Square Ahmedabad – 380 015, Gu	Company of the Compan	, 0	orporate R	oad, Satelite.			
2.	Sample ID: 1314898246 -		T	3. Clie	nt Representative: Ms	Palak Kharadi		
4.	Sample Date: 05.08.2013	012 (0130201	1		npling Location : D.G.Se			
5	Sampling Time: 15:00 hr				Sampling Duration: 10 Mins			
8.	Analysis commenced on: 06.08.2013				Analysis Completed on: 07.08.2013			
10.	Reporting Date: 14.08.201	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			Sample Collected By: Mr.Gaurang Rana			
12.	Test Requirement: Stack A	ir Monitoring		13. Sampling Procedure: IS Method				
14.	Description of Sample:	Sampling Bottle	s: 5	Sealed V	Thimble:Packed√	Bladder: Clamped√		
				STACK DE	TAILS			
No.	Parameters	Unit (SI)			Desc	cription		
1.	Source		:	D.G.Set - 1 (NWA# 18)				
2.	Height	m	;	4				
3.	Diameter	mm	:	150	THE SERVICE			
4.	Temperature	°c	:	270				
5.	Velocity	m/s	:	12.57				
6.	Type of fuel used		:	HSD	-3000			
7.	Quantity of fuel used	lit/day	1	800		T. PERMIN		
No.	<u>Parameters</u>	<u>Unit</u>		Result	Specification/ SPCB Norms	Method Used		
1.	Particulate Matter	mg/Nm³	:	33	N.A.	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	mg/Nm³	<u>:</u>	27.88 (10.64ppr		IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	mg/Nm³	:	10.85 (5.77 pp)	n) N.A.	IS 5182 (Part 6): 2006		
4.	Hydrocarbon(HC)	mg/Nm³	:	1.52	N.A.	Gas Chromatography		
_	VOC	mg/Nm ³	1	N.D.	N.A.	Gas Chromatography		
5. 6.	Mercury	mg/Nm ³	1	N.D.	N.A.	APHA: (3500 Hg A) 21st Edition		

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

Designation: Lab Incharge

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

Remark: N.D :- Not Detected Authorized By -

Name : Sapana Amin

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(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK								
DOC. NO.: F/037	Issue No.: 01	Issue Date: 05/12/2011						
	Revision No.: 00	Revision Date: 05/12/2011						

REPORT NO.: AUG13/012/02

SAMPLE DETAILS

1.	Name & Address of Client: M/s.Joshi Technologies International Inc, 701,Parshwanath E Square Pralhad Nagar, Corporate Road,Satelite. Ahmedabad – 380 015, Gujarat (Oilfield)								
2.	Sample ID: 1314898246 - 012AU13SE0	2 3.	Client R	Client Representative: Mg. Palak Kharadi					
4.	Sample Date: 05.08.2013	5.	Samplin	Sampling Location: D.G.Set - 2 (NWA# 18)					
6.	Sampling Time: 15:30 hr	7.	Samplin	Sampling Duration:10 Mins					
0	Analysis commenced on: 06.08.2013	9.	Analysis	Analysis Completed on: 07.08.2013					
10.	Reporting Date: 14.08.2013	11.	Sample Collected By: Mr.Gaurang Rana						
12.	Test Requirement: Stack Air Monitoring	Requirement: Stack Air Monitoring 13.			bd				
14.	Description of Sample: Sampling Bott	les: Seale	d √	Thimble:Packed√	Bladder: Clamped √				

STACK DETAILS

S.No.	<u>Parameters</u>	Unit (SI)			<u>on</u>			
1.	Source	e		D.G.Set - 2 (NWA# 18)				
2.	Height	m	:	4				
3.	Diameter	mm	:	150				
4.	Temperature	°c	:	274				
5.	Velocity	m/s	;	13.0				
6.	Type of fuel used	. 2010	:	HSD	HSD			
7.	Quantity of fuel used	lit/day	:	800				
04.500				7 20 0	Specification/			

	Quarterly of raci asca	iry day				
S.No.	<u>Parameters</u>	<u>Unit</u>		Results	Specification/ SPCB Norms	Method Used
	Particulate Matter	mg/Nm³	:	27	N.A.	IS 11255 (Part 1): 1985
2.	Sulphur Dioxide(SO ₂)	mg/Nm³	:	30.76 (11.74 ppm)	N.A.	IS 11255 (Part 2): 1985
3.	Oxides of Nitrogen (NOx)	mg/Nm ³	:	17.20 (9.15 ppm)	N.A.	IS 5182 (Part 6): 2006
4.	Hydrocarbon(HC)	mg/Nm ³	:	1.66	N.A.	Gas Chromatography
5.	VOC	mg/Nm³	:	N.D.	N.A.	Gas Chromatography
6.	Mercury	mg/Nm³	:	N.D.	N.A.	APHA: (3500 Hg A) 21st Edition

Remark : N.D :- Not Detected
Authorized By -

Name : Sapana Amin

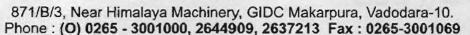
Designation: Lab Incharge

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----





ENVIRONMENTAL MONITORING REPORT

	LABORAT	ORY	TEST REPO	ORT - STACK
DOC. NO.: F/037	Issue No.: 0:	1		Issue Date: 05/12/2011
	Revision No.:	00		Revision Date: 05/12/2011
Namo & Address of (Tient: M/c Joshi Tochn		La Internation	
	lient: M/s.Joshi Techn			
701, Parshwanath E S	quare Pralhad Nagar,	Corpo	rate Road,S	atelite.
Ahmedabad - 380 03	5, Gujarat (Oilfield)			
			P. Strate and Strate a	

4.	Sample Date: 24.02.2014	1 5.	Sampling Location: D.G.Set - 1 (RLI (DK # 37))
6.	Sampling Time: 14:15 hr	7.	Sampling Duration: 10 Mins
8.	Analysis commenced on: 25.02.2014	9.	Analysis Completed on: 26.02.2014
10.	Reporting Date: 14.03.2014	11.	Sample Collected By: Mr.Javed Haveliwala
12.	Test Requirement: Stack Air Monitoring	13.	Sampling Procedure: IS Method
-			

14. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed V Bladder: Clamped

STACK DETAILS

S.No.	Parameters	Unit (SI)		Description					
1.	Source		1	D.G.Set - 1 (NWA# 18)					
2.	Height	m	:	4					
3.	Diameter	mm	:	150					
4.	Temperature	°c	:	140					
5.	Velocity	m/s	1	10.34	1-2-4				
6.	Type of fuel used		:	HSD					
7.	Quantity of fuel used	lit/day	:	800					
5.No.	<u>Parameters</u>	<u>Unit</u>		Results	Specification/ SPCB Norms	Method Used			
1.	Particulate Matter	mg/Nm³	:	28	N.A.	IS 11255 (Part 1): 1985			
2.	Sulphur Dioxide(SO ₂)	mg/Nm³		27.69 (10.57ppm)	N.A.	IS 11255 (Part 2): 1985			
3.	Oxides of Nitrogen (NOx)	mg/Nm³		12.97 (6.90 ppm)	N.A.	IS 5182 (Part 6): 2006			
4.	Hydrocarbon(HC)	mg/Nm ³		0.45	N.A.	Gas Chromatography			

N.D.

N.D.

Remark: N.D:- Not Detected Authorized By - 🍣

VOC

Mercury

5.

Name: Sapana Amin Designation: Lab Incharge NOTE: Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

N.A.

N.A.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

mg/Nm³

mg/Nm3

Page 1 of 1

Gas Chromatography

APHA: (3500 Hg A) 21st Edition

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(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

						100000		
		LABOR	AT	ORY TEST RE	PORT - STACK			
D	OC. NO.: F/037	Issue No.:	01		Issue D	Date: 05/12/2011		
		Revision No	.: 0	0	Revision	Date: 05/12/2011		
	REPORT NO.: FEB14/091/0	<u>)2</u>						
				SAMPLE DET	AILS			
	Name & Address of Client:							
1.	701,Parshwanath E Square		r, C	orporate Road	,Satelite.			
	Ahmedabad – 380 015, Gu					7774		
2.	Sample ID: 1314898246 -	091FB14SE02	1	TOTAL CO. CLASSIC SERVICE	Representative: Mg. Pal			
4.	Sample Date: 24.02.2014				ng Location : D.G.Set -	- 2 (RLI (DK # 37))		
6.	Sampling Time: 14:35 hr			CHARLES TO SERVICE CONTROL OF CON	ng Duration:10 Mins			
8.	Analysis commenced on: 2		+		s Completed on: 26.02	Polychania recent for the		
10.	Reporting Date: 14.03.2014			AND THE RESERVE OF THE PARTY OF	Sample Collected By: Mr.Javed Haveliwala			
12.	Test Requirement: Stack A	r Monitoring		13. Samplin	3. Sampling Procedure: IS Method			
14.	Description of Sample: S	ampling Bottle	es: 5	Sealed √	Thimble:Packed√	Bladder: Clamped √		
7				STACK DETA	ILS			
.No.	<u>Parameters</u>	Unit (SI)		Description				
1.	Source		:	D.G.Set - 2 (NWA# 18)			
2.	Height	m	1:	4	117a Da			
3.	Diameter	mm	:	150	7 2 2 2			
4.	Temperature	°c	:	360				
5.	Velocity	m/s	:	14.21				
6.	Type of fuel used	12-14	:	HSD				
7.	Quantity of fuel used	lit/day	:	800		E01711		
No.	<u>Parameters</u>	<u>Unit</u>		Results	Specification/ SPCB Norms	Method Used		
1.	Particulate Matter	mg/Nm ³	:	25	N.A.	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	mg/Nm ³	:	31.47 (12.01 ppm)	N.A.	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	mg/Nm ³		17.53 (9.33 ppm)	N.A.	IS 5182 (Part 6) : 2006		
4.	Hydrocarbon(HC)	mg/Nm³	:	0.94	N.A.	Gas Chromatography		
5.	VOC	mg/Nm ³	:	N.D.	N.A.	Gas Chromatography		
6.	Mercury	mg/Nm ³	:	N.D.	<u>N</u> .A.	APHA: (3500 Hg A) 21st Edition		

Authorized By - Name : Sapana Amin Designation: Lab Incharge Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. NOTE: 1)

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

Remark : N.D :- Not Deterred

-----END OF REPORT-----

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(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 3001000, 2644909, 2637213 Fax: 0265-3001069



ENVIRONMENTAL MONITORING REPORT

		LABORA	то	RY TEST	REPORT - STACK		
DOC. NO.: F/037 Issue No.: 01				Issue Date: 05/12/2011			
		Revision No.:	00	WEST SERVICE	Revision	on Date: 05/12/2011	
	REPORT NO.: MAR14/087/	01					
			5	AMPLE D	ETAILS		
1.	Name & Address of Client 701,Parshwanath E Squar Ahmedabad – 380 015, G	e Pralhad Nagar					
2.	Sample ID: 1314898246 -		T	3. Clie	nt Representative: Mr.	Palak Kharadi	
4.	Sample Date: 24.03.2014	The second secon			npling Location : D.G.Se		
6.	Sampling Time: 14:00 hr	DE DESCRIPTION			pling Duration: 10 Mins		
8.	Analysis commenced on:	25.03.2014		9. Ana	lysis Completed on : 04	1.04.2014	
10.	Reporting Date: 05.04.20		1	11. San	nple Collected By: Mr.V	ipul Dabhi	
12.	Test Requirement: Stack				Sampling Procedure: IS Method		
14.	Description of Sample:	Sampling Bottle	s: S	Sealed √	Thimble:Packed√	Bladder: Clamped√	
	The state of the s		S	TACK DE	TAILS		
.No.	Parameters	Unit (SI)	Description				
1.	Source		D.G.Set - 1 (RL-2 (DK # 38))				
2.	Height	m		4			
3.	Diameter	mm	1	150			
4.	Temperature	°c	:	152		1000	
5.	Velocity	m/s	:	13.3	`		
6.	Type of fuel used	1.70	:	HSD		建 原	
7.	Quantity of fuel used	lit/day	;	800			
. <u>No.</u>	<u>Parameters</u>	Unit		Result	Specification/ SPCB Norms	Method Used	
1.	Particulate Matter	mg/Nm ³	:	30	N.A.	IS 11255 (Part 1): 1985	
2.	Sulphur Dioxide(SO ₂)	mg/Nm³	:	28.54 (10.89ppr	N.A.	IS 11255 (Part 2): 1985	
3.	Oxides of Nitrogen (NOx)	mg/Nm³		13.39 (7.12 ppi	n) N.A.	IS 5182 (Part 6) : 2006	
•	Hydrocarbon(HC)	mg/Nm ³	:	0.66	N.A.	Gas Chromatography	
		mg/Nm³	;	N.D.	N.A.	Gas Chromatography	
4. 5. 6.	VOC Mercury	mg/Nm ³		N.D.	N.A.	APHA: (3500 Hg A) 21st Edition	

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples
are not consumed during analysis.

Designation : Lab Incharge

3) The results reported above relate to the sample identified under Sample Details.

Name : Sapana Amin

----END OF REPORT----

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Sampling Location: D.G.Set - 2 (RL-2 (DK # 38))

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ENVIRONMENTAL MONITORING REPORT

	LABORAT	ORY TEST R	EPORT - STACK
DOC. NO.: F/037	Issue No.: 01		Issue Date: 05/12/2011
	Revision No.:	00	Revision Date: 05/12/2011
Name & Address of C	lient: M/s.Joshi Techno	logies Interna	ational Inc,
Name & Address of C	lient: M/s.Joshi Techno	logies Interna	ational Inc,
	quare Pralhad Nagar, C	Corporate Roa	d,Satelite.
Ahmedabad – 380 01	5, Gujarat (Oilfield)		
A STATE OF THE STA	46 - 087MR14SE02	3. Client	Representative: Mr. Palak Kharadi

6. Sampling Time: 14:20 hr
7. Sampling Duration:10 Mins
8. Analysis commenced on: 25.03.2014
9. Analysis Completed on: 04.04.2014
10. Reporting Date: 05.04.2014
11. Sample Collected By: Mr.Vipul Dabhi

5.

12. Test Requirement: Stack Air Monitoring 13. Sampling Procedure: IS Method

Description of Sample: Sampling Bottles: Sealed √ Thimble:Packed√ Bladder: Clamped √

STACK DETAILS

S.No.	<u>Parameters</u>	Unit (SI)		Description	
1.	Source ·		:	D.G.Set - 2 (RL-2 (DK # 38))	
2.	Height	m	:	4	
3.	Diameter	mm	:	150	
4.	Temperature	°c	:	189	
5.	Velocity	m/s	:	14.1	CONTRACT OF THE
6.	Type of fuel used	Maria Carlos	:	HSD	
7.	Quantity of fuel used	lit/day	:	800	129
-				Caral Caralian (

1.	Quality of fuel used	liguay				
S.No.	<u>Parameters</u>	· <u>Unit</u>		Results	Specification/ SPCB Norms	Method Used
1.	Particulate Matter	mg/Nm ³	:	26	N.A.	IS 11255 (Part 1): 1985
2.	Sulphur Dioxide(SO ₂)	mg/Nm³	:	30.76 (11.74 ppm)	N.A.	IS 11255 (Part 2) : 1985
3.	Oxides of Nitrogen (NOx)	mg/Nm³	:	18.56 (9.87 ppm)	N.A.	IS 5182 (Part 6): 2006
4.	Hydrocarbon(HC)	mg/Nm ³	:	1.50	N.A.	Gas Chromatography
5.	VOC	mg/Nm ³	:	N.D.	N.A.	Gas Chromatography
6.	Mercury	mg/Nm³	:	N.D.	N.A.	APHA: (3500 Hg A) 21 st Edition

Remark : N.D :- Not Detected
Authorized By -

14.

14.

Sample Date: 24.03.2014

Name: Sapana Amin

Designation: Lab Incharge

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.