

NOA NO:MHN/MM/HSE/CONTRACT/206/2013-14/NOA

## Analysis Report Of Ambient Air Monitoring For The Month of June-2016

To,

M/s Oil & Natural Gas Corporation Ltd.  
Rig IPS-700-V Well No-NKSJ, Dist: Mehsana.

Report Date: 21/07/2016

Report No.: 60/16/07/01

Sample location	: Rig IPS-700-V Well No-NKSJ	Ambient Tem(Max) °C	: 37.0
Sample collected Date	: 14/07/2016 to 15/07/2016	Ambient Tem(Min) °C	: 27.0
Lab ID Code	: 60/LB/16/AM	Humidity (%)	: 75
Sampling Time	: 24 hr	Average Wind Speed (Km/hr)	: 18.6
Purpose	: Environment Monitoring	Wind Direction	: SW-NE

RESULT TABLE

SR. NO.	PARAMETER	UNIT	GPCB LIMIT	RESULT			Average	TEST METHOD
				I	II	III		
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	100	57.3	52.5	54.6	54.8	IS 5182 (PART 23): 1999
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	24.1	20.8	22.3	22.4	CPCB Guidelines
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	16.3	15.7	17.2	16.4	IS 5182 (PART-2):2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	19.5	20.8	22.5	20.9	IS 5182 (PART-6):2006
5.	Hydrocarbon (HC AsCH <sub>4</sub> )	µg/m <sup>3</sup>	160	7.1	6.5	7.3	7.0	IS 5182 (PART-10):1999
6.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	5000	1182	1309	1283	1258	IS 5182 (PART-17):1979
7.	Hydrogen Sulphide (H <sub>2</sub> S)	ppm	0.36*	BDL	BDL	BDL	BDL	IS 5182 (PART-7):1973

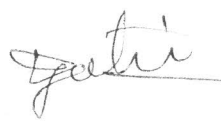
\* indicates as per GPCB norms., #BDL: Below Detection Limit, BDL Limit For H<sub>2</sub>S: 0.007 ppm

Location I: Nr. Office In charge (Date: 14/07/2016 Time: 08:50 a.m. to 04:50 p.m.)

Location II: Nr. D.G. Set (Date: 14/07/2016 Time: 05:10 p.m. to 01:10 a.m.)

Location III: Nr. Office Area (Date: 15/07/2016 Time: 01:30 a.m. to 09:30 a.m.)

  
Authorized Signatory

  
Prepared By



NOA NO: MHN/MM/HSE/CONTRACT/206/2013-14/NOA

## Analysis Report Of Ambient Air Monitoring For The Month of June-2016

To,

M/s Oil & Natural Gas Corporation Ltd.

Rig IPS-700-VI Well No-NNIV, Dist: Mehsana.

Report Date: 25/07/2016

Report No.: 62/16/07/01

Sample location	: Rig IPS-700-VI Well No-NNIV	Ambient Tem(Max) °C	: 36.0
Sample collected Date	: 15/07/2016 to 16/07/2016	Ambient Tem(Min) °C	: 27.0
Lab ID Code	: 62/LB/16/AM	Humidity (%)	: 73.8
Sampling Time	: 24 hr	Average Wind Speed (Km/hr)	: 18.9
Purpose	: Environment Monitoring	Wind Direction	: SW-NE

### RESULT TABLE

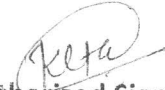
SR. NO.	PARAMETER	UNIT	GPCB LIMIT	RESULT			Average	TEST METHOD
				I	II	III		
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	100	57.6	53.1	52.3	54.3	IS 5182 (PART-23): 1999
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	20.5	22.7	17.8	20.3	CPCB Guidelines
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	16.8	18.6	15.1	16.8	IS 5182 (PART-2):2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	21.0	23.8	19.0	21.2	IS 5182 (PART-6):2006
5.	Hydrocarbon (HC AsCH <sub>4</sub> )	µg/m <sup>3</sup>	160	7.9	9.1	6.0	7.7	IS 5182 (PART-10):1999
6.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	5000	1248	1598	1538	1461.3	IS 5182 (PART-17):1979
7.	Hydrogen Sulphide (H <sub>2</sub> S)	ppm	0.36*	BDL	BDL	BDL	BDL	IS 5182 (PART-7):1973

\* indicates as per GPCB norms., #BDL: Below Detection Limit, BDL Limit For H<sub>2</sub>S: 0.007 ppm

Location I: Nr. Office In charge (Date: 15/07/2016 Time: 08:15 a.m. to 04:15 p.m.)

Location II: Nr. D.G. Set (Date: 15/07/2016 Time: 04:30 p.m. to 12:30 a.m.)

Location III: Nr. Office Area (Date: 16/07/2016 Time: 12:45 a.m. to 08:45 a.m.)

  
Authorized Signatory

  
Prepared By



NOA NO:MHN/MM/HSE/CONTRACT/206/2013-14/NOA

## Analysis Report Of Ambient Air Monitoring For The Month of June-2016

To,

M/s Oil & Natural Gas Corporation Ltd.

Rig IPS-700-VII Well No-NNIW, Dist: Mehsana.

Report Date: 25/07/2016

Report No.: 63/16/07/01

Sample location	: Rig IPS-700-VII Well No-NNIW	Ambient Tem(Max) °C	: 33.0
Sample collected Date	: 15/07/2016 to 16/07/2016	Ambient Tem(Min) °C	: 28.0
Lab ID Code	: 63/LB/16/AM	Humidity (%)	: 80.0
Sampling Time	: 24 hr	Average Wind Speed (Km/hr)	: 17.0
Purpose	: Environment Monitoring	Wind Direction	: SSW-NE

### RESULT TABLE

SR. NO.	PARAMETER	UNIT	GPCB LIMIT	RESULT			Average	TEST METHOD
				I	II	III		
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	100	55.3	56.8	54.5	55.5	IS 5182 (PART 23): 1999
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	19.8	20.5	19.4	19.9	CPCB Guidelines
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	17.4	18.2	16.7	17.4	IS 5182 (PART-2):2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	19.8	22.7	20.1	20.9	IS 5182 (PART-6):2006
5.	Hydrocarbon (HC as CH <sub>4</sub> )	µg/m <sup>3</sup>	160	7.1	7.9	7.0	7.3	IS 5182 (PART-10):1999
6.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	5000	1298	1642	1598	1513	IS 5182 (PART-17):1979
7.	Hydrogen Sulphide (H <sub>2</sub> S)	ppm	0.36*	BDL	BDL	BDL	BDL	IS 5182 (PART-7):1973

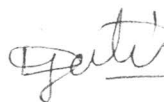
\* indicates as per GPCB norms., #BDL: Below Detection Limit, BDL Limit For H<sub>2</sub>S: 0.007 ppm

Location I: Nr. Office In charge (Date: 15/07/2016 Time: 08:30 a.m. to 04:30 p.m.)

Location II: Nr. D.G. Set (Date: 15/07/2016 Time: 04:45 p.m. to 12:45 a.m.)

Location III: Nr. Office Area (Date: 16/07/2016 Time: 01:00 a.m. to 09:00 a.m.)

  
Authorized Signatory



Prepared By



NOA NO:MHN/MM/HSE/CONTRACT/206/2013-14/NOA

## Analysis Report Of Ambient Air Monitoring For The Month of June-2016

To,

M/s Oil & Natural Gas Corporation Ltd.

Rig M-750-II NKRK, Dist: Mehsana.

Report Date:21/07/2016

Report No.: 59/16/07/01

Sample location	: Rig M-750-II NKRK	Ambient Tem(Max) °C	: 36.0
Sample collected Date	: 14/07/2016 to 15/07/2015	Ambient Tem(Min) °C	: 28.0
Lab ID Code	: 59/LB/16/AM	Humidity (%)	: 79
Sampling Time	: 24 hr	Average Wind Speed (Km/hr)	: 14.2
Purpose	: Environment Monitoring	Wind Direction	: SW-NE

### RESULT TABLE


SR. NO.	PARAMETER	UNIT	GPCB LIMIT	RESULT			Average	TEST METHOD
				I	II	III		
1.	Particulate Matter PM10	µg/m <sup>3</sup>	100	50.1	49.6	48.5	49.4	IS 5182 (PART 23): 1999
2.	Particulate Matter PM2.5	µg/m <sup>3</sup>	60	19.8	21.2	23.5	21.5	CPCB Guidelines
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	18.7	16.3	18.1	17.7	IS 5182 (PART-2):2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	20.4	19.8	18.4	19.5	IS 5182 (PART-6):2006
5.	Hydrocarbon (HC asCH <sub>4</sub> )	µg/m <sup>3</sup>	160	7.1	5.9	7.2	6.7	IS 5182 (PART-10):1999
6.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	5000	1610	1508	1358	1492	IS 5182 (PART-17):1979
7.	Hydrogen Sulphide (H <sub>2</sub> S)	ppm	0.36*	BDL	BDL	BDL	BDL	IS 5182 (PART-7):1973

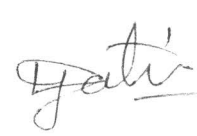
\* indicates as per GPCB norms., # BDL: Below Detectable Limit., BDL Limit of H<sub>2</sub>S: 0.007 ppm

**Location I:** Nr. In charge Room (Date: 14/07/2016 Time: 9:30 a.m. to 05:30 p.m.)

**Location II:** Nr. Electrical Room (Date: 14/07/2016 Time: 06:00 p.m. to 02:00 a.m.)

**Location III:** Nr. D.G. Set (Date: 15/07/2016 Time: 02:30 a.m. to 10:30 a.m.)

  
Authorized Signatory

  
Prepared By



NOA NO: MHN/MM/HSE/CONTRACT/206/2013-14/NOA

## Analysis Report Of Ambient Air Monitoring For The Month of June-2016

To,

M/s Oil & Natural Gas Corporation Ltd.

Rig M-900-I Well No-NKRT, Dist: Mehsana.

Report Date: 21/07/2016

Report No.: 61/16/07/01

Sample location	: Rig M-900-I Well No-NKRT	Ambient Tem(Max) °C	: 36.0
Sample collected Date	: 14/07/2016 to 15/07/2016	Ambient Tem(Min) °C	: 28.0
Lab ID Code	: 61/LB/16/AM	Humidity (%)	: 74.5
Sampling Time	: 24 hr	Average Wind Speed (Km/hr)	: 14.2
Purpose	: Environment Monitoring	Wind Direction	: SW-NE

### RESULT TABLE

SR. NO.	PARAMETER	UNIT	GPCB LIMIT	RESULT			Average	TEST METHOD
				I	II	III		
1.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	100	53.6	55.2	51.5	53.4	IS 5182 (PART 23): 1999
2.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	21.4	20.8	23.9	22.0	CPCB Guidelines
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	17.3	20.9	18.1	18.8	IS 5182 (PART-2):2001
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	80	20.8	21.7	20.6	21.0	IS 5182 (PART-6):2006
5.	Hydrocarbon (HC AsCH <sub>4</sub> )	µg/m <sup>3</sup>	160	7.9	8.4	6.0	7.4	IS 5182 (PART-10):1999
6.	Carbon Monoxide (CO)	µg/m <sup>3</sup>	5000	1523	1689	1548	1587	IS 5182 (PART-17):1979
7.	Hydrogen Sulphide (H <sub>2</sub> S)	ppm	0.36*	BDL	BDL	BDL	BDL	IS 5182 (PART-7):1973

\* indicates as per GPCB norms. #BDL: Below Detection Limit. BDL Limit For H<sub>2</sub>S: 0.007 ppm

Location I: Nr. Office In charge (Date: 14/07/2016 Time: 08:15 a.m. to 04:15 p.m.)

Location II: Nr. D.G. Set (Date: 14/07/2016 Time: 04:30 p.m. to 12:30 a.m.)

Location III: Nr. Electrical Room (Date: 15/07/2016 Time: 01:00 a.m. to 09:00 a.m.)

  
Authorized Signatory

  
Prepared By