



REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-03-30/2012

DATE : 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG M 750 – II WELL # SNKF**
4. Date of Sampling : **03/03/2012**
5. Total Hrs. : **24 hrs.**

II Results :

S R . No.	P A R A M E T E R S	G P C B Limits	U n i t	R E S U L T S			
				LOCATION I	LOCATION II	LOCATION III	AVG.
1	PM- 10	100	µg/M ³	88	71	68	76
2	PM- 2.5	60	µg/M ³	25	30	28	28
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	24.6	19.8	21.6	22.0
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	33.5	28.6	29.4	30.5
5	Hydrocarbons as CH ₄	160	µg/M ³	9.4	6.9	8.3	8.2
6	Carbon Mono Oxide	2000	µg/M ³	1858	1937	1864	1886
7	Hydrogen Sulphide	0.36*	PPM	BDL	BDL	BDL	BDL

*Limits of H₂S is not indicated in the consents as given to ONGC but as per GPCB Norms it should be less than 500 µg/NM³ (i.e. 0.36 ppm at NTP). # BDL-Below Detectable Limit.(L. C. of the Instrument – 0.05 ppm).

III REMARKS:-

- Location – I (10:30 AM TO 18:30 PM) : **Near Rig Floor**
 Location – II (18:30 PM TO 02:30 AM) : **Near Rest House**
 Location – III (02:30 AM TO 10:30 AM) : **Near D.G. House Boundary**

2012000034

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/002.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 34.6
 Ambient Temperature Minimum (°C) : 17.5
 Humidity (%) : 65
 Average Wind Speed (km / hr.) : 07
 Wind Direction : NORTH-EAST

For AKSHAR ENVIRO CONTROL



ONGC REPORT

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REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-03-31/2012

DATE : 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG – IPS 700 – VI WELL # SNKH**
4. Date of Sampling : **04/03/2012**
5. Total Hrs. : **24 hrs.**

II Results :

S R . No.	P A R A M E T E R S	G P C B Limits	U n i t	R E S U L T S			A V G .
				LOCATION I	LOCATION II	LOCATION III	
1	PM- 10	100	$\mu\text{g}/\text{M}^3$	85	63	78	75
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	31	23	26	27
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	18.9	20.8	22.5	20.7
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	34.1	31.8	29.9	31.9
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	9.3	7.5	8.8	8.5
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1824	1668	1758	1750
7	Hydrogen Sulphide	0.36*	PPM	BDL	BDL	BDL	BDL

*Limits of H₂S is not indicated in the consents as given to ONGC but as per GPCB Norms it should be less than 500 $\mu\text{g}/\text{NM}^3$ (i.e. 0.36 ppm at NTP). # BDL-Below Detectable Limit.(L. C. of the Instrument – 0.05 ppm).

III REMARKS:-

- Location – I (10:00 AM TO 18:00 PM) : **Near Rig Floor area**
Location – II (18:00 PM TO 02:00 AM) : **Near Rest House**
Location – III (02:00 AM TO 10:00 AM) : **Near D. G. Set House**

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/001.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 34.6
Ambient Temperature Minimum (°C) : 17.7
Humidity (%) : 65
Average Wind Speed (km / hr.) : 06
Wind Direction : NORTH-EAST

For AKSHAR ENVIRO CONTROL





REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-03-31/2012

DATE: 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG –IPS 700 – VI WELL # SNKH**
4. Date of Sampling : **04/03/2012**

II Results :

SR. No	P A R A M E T E R S	GPCB Limits	U n i t	R e s u l t s						
				LOCATION I	LOCATION II	LOCATION III	LOCATION IV	LOCATION V	LOCATION VI	LOCATION VII
1.	Suspended Particulate Matter (SPM)	150	Mg/NM ³	130	142	129	124	131	128	88
2.	Oxide of Sulphur(SO ₂)	100	PPM	45.9	47.5	43.0	41.8	44.8	40.0	26.3
3.	Oxide of Nitrogen(NO _x)	50	PPM	25.4	27.9	26.9	31.0	33.8	28.7	16.2
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.2	7.9	8.2	5.5	7.4	7.8	4.1
5.	Carbon Mono Oxide	150	Mg/NM ³	15	13	11	15	14	10	07
6.	Hydrogen Sulphide	45	Mg/NM ³	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

III Remarks:-

- Location – I : **Rig Carrier Eng. 1 KTA 19C 37119907**
Location – II : **Rig Carrier Eng. 2 KTA 19C 25355615**
Location – III : **Mud Pump Eng. 1 KTA P-50 25356786**
Location – IV : **Mud Pump Eng. 2 KTA P-50 25340642**
Location – V : **D.G. Set No. 1 KTA 1150 31129914**
Location – VI : **D.G. Set No. 2 KTA 19-G 25362419**
Location -VII : **Air Compressor Eng. 6BTA 5.9C 84015386**

Note: All parameters are well within the GPCB prescribed limits.

For AKSHAR ENVIRO CONTROL





REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-03-32/2012

DATE : 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG - IPS 700 - VII WELL # SNJY**
4. Date of Sampling : **04/03/2012**
5. Total Hrs. : **24 hrs.**

II Results :

S R . No.	P A R A M E T E R S	G P C B Limits	U n i t	R E S U L T S			
				LOCATION I	LOCATION II	LOCATION III	AVG.
1	PM- 10	100	$\mu\text{g}/\text{M}^3$	72	87	64	74
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	23	29	19	24
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	23.5	22.1	25.8	23.8
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	35.9	34.5	34.8	35.1
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	8.6	8.9	7.4	8.3
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1577	1659	1786	1674
7	Hydrogen Sulphide	0.36*	PPM	BDL	BDL	BDL	BDL

*Limits of H₂S is not indicated in the consents as given to ONGC but as per GPCB Norms it should be less than 500 $\mu\text{g}/\text{NM}^3$ (i.e. 0.36 ppm at NTP). # BDL-Below Detectable Limit.(L. C. of the Instrument – 0.05 ppm).

III REMARKS:-

- Location – I (10:30 AM TO 18:30 PM) : **Near Rest House**
Location – II (18:30 PM TO 02:30 AM) : **Near Rig Floor**
Location – III (02:30 AM TO 10:30 AM) : **Near D.G. Set House Boundary**

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/002.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 34.8
Ambient Temperature Minimum (°C) : 17.5
Humidity (%) : 60
Average Wind Speed (km / hr.) : 06
Wind Direction : NORTH-EAST

For AKSHAR ENVIRO CONTROL





REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-03-32/2012

DATE: 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG –IPS 700 – VII WELL # SNJY**
4. Date of Sampling : **04/03/2012**

II Results :

SR. No	P A R A M E T E R S	GPCB Limits	U n i t	R e s u l t s						
				LOCATION I	LOCATION II	LOCATION III	LOCATION IV	LOCATION V	LOCATION VI	LOCATION VII
1.	Suspended Particulate Matter (SPM)	150	Mg/NM ³	136	139	133	128	130	122	76
2.	Oxide of Sulphur(SO ₂)	100	PPM	44.3	43.8	45.1	43.4	42.9	39.5	24.8
3.	Oxide of Nitrogen(NO _x)	50	PPM	27.8	29.0	28.4	33.7	31.0	29.2	15.6
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	9.4	7.2	9.8	6.7	7.7	7.1	3.7
5.	Carbon Mono Oxide	150	Mg/NM ³	18	14	12	17	15	12	09
6.	Hydrogen Sulphide	45	Mg/NM ³	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

III Remarks:-

- Location – I : **Rig Carrier Eng. 1 KTA 1150 25242268**
 Location – II : **Rig Carrier Eng. 2 KTA 90-C 25355614**
 Location – III : **Mud Pump Eng. 1 KTA 50-P 25356704**
 Location – IV : **Mud Pump Eng. 2 KTA 50-P 25340640**
 Location – V : **D.G. Set No. 1 KTA -19 G9 25362423**
 Location – VI : **D.G. Set No. 2 TBD 3V12 13061270074**
 Location -VII : **Air Compressor Eng. 6BTA 5.9C 62762545**

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Note: All parameters are well within the GPCB prescribed limits.

For AKSHAR ENVIRO CONTROL

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REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-03-33/2012

DATE : 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG - IPS 700 - V WELL # LNFD**
4. Date of Sampling : **05/03/2012**
5. Total Hrs. : **24 hrs.**

II Results :

S R . No.	P A R A M E T E R S	G P C B Limits	U n i t	R E S U L T S			A V G .
				LOCATION I	LOCATION II	LOCATION III	
1	PM- 10	100	$\mu\text{g}/\text{M}^3$	89	76	82	82
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	30	25	27	27
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	26.1	25.7	25.2	25.6
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	37.3	35.0	33.9	35.4
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	9.7	9.9	8.6	9.4
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1825	1684	1636	1715
7	Hydrogen Sulphide	0.36*	PPM	BDL	BDL	BDL	BDL

*Limits of H₂S is not indicated in the consents as given to ONGC but as per GPCB Norms it should be less than 500 $\mu\text{g}/\text{NM}^3$ (i.e. 0.36 ppm at NTP). # BDL-Below Detectable Limit.(L. C. of the Instrument – 0.05 ppm).

III REMARKS:-

- Location – I (10:00 AM TO 18:00 PM) : **Near Rest House**
Location – II (18:00 PM TO 02:00 AM) : **Near Rig Floor**
Location – III (02:00 AM TO 10:00 AM) : **Near D.G. Set House Boundary**

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/001.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 34.3
Ambient Temperature Minimum (°C) : 17.2
Humidity (%) : 64
Average Wind Speed (km / hr.) : 08
Wind Direction : NORTH-EAST

For AKSHAR ENVIRO CONTROL



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REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-03-33/2012

DATE: 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
 2. Month : **MARCH 2012**
 3. Location : **RIG –IPS 700 – V WELL # LNFD**
 4. Date of Sampling : **05/03/2012**

II Results :

SR. No	P A R A M E T E R S	GPCB Limits	U n i t	R e s u l t s						
				LOCATION I	LOCATION II	LOCATION III	LOCATION IV	LOCATION V	LOCATION VI	LOCATION VII
1.	Suspended Particulate Matter (SPM)	150	Mg/NM ³	128	134	139	126	135	128	---
2.	Oxide of Sulphur(SO ₂)	100	PPM	41.0	42.4	43.8	44.4	41.3	34.0	---
3.	Oxide of Nitrogen(NO _x)	50	PPM	29.3	30.4	27.0	31.8	31.7	26.8	---
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.3	6.9	9.4	7.3	7.6	8.0	---
5.	Carbon Mono Oxide	150	Mg/NM ³	19	16	11	14	12	17	---
6.	Hydrogen Sulphide	45	Mg/NM ³	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	---

III Remarks:-

- Location – I : Rig Carrier Eng. 1 KTA 19-C 25339121
 Location – II : Rig Carrier Eng. 2 KTA 19-C 25339962
 Location – III : Mud Pump Eng. 1 KTA 50-P 25340641
 Location – IV : Mud Pump Eng. 2 KTA 50-P 25340643
 Location – V : D.G. Set No. 1 3406DITA-6P2 2RJ05090
 Location – VI : D.G. Set No. 2 MWM TBD 3V12 13061260040
 Location -VII : ----

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Note: All parameters are well within the GPCB prescribed limits.

For AKSHAR ENVIRO CONTROL



REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-03-34/2012

DATE : 31/03/2012

I General : ACT – AIR (Prevention & Control of pollution) ACT, 1981

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2012**
3. Location : **RIG - E 760 - XI WELL # BCIO**
4. Date of Sampling : **05/03/2012**
5. Total Hrs. : **24 hrs.**

II Results :

S R . No.	P A R A M E T E R S	G P C B Limits	U n i t	R E S U L T S			A V G .
				LOCATION I	LOCATION II	LOCATION III	
1	PM- 10	100	$\mu\text{g}/\text{M}^3$	69	87	81	79
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	28	33	24	28
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	29.5	27.3	29.2	28.7
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	39.0	38.2	37.9	38.4
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	9.4	9.1	8.9	9.1
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1777	1882	1766	1808
7	Hydrogen Sulphide	0.36*	PPM	BDL	BDL	BDL	BDL

*Limits of H₂S is not indicated in the consents as given to ONGC but as per GPCB Norms it should be less than 500 $\mu\text{g}/\text{NM}^3$ (i.e. 0.36 ppm at NTP). # BDL-Below Detectable Limit.(L. C. of the Instrument – 0.05 ppm).

III REMARKS:-

- Location – I (10:30 AM TO 18:30 PM) : **Near Rest House**
 Location – II (18:30 PM TO 02:30 AM) : **Near Rig Floor**
 Location – III (02:30 AM TO 10:30 AM) : **Near D.G. Set House Boundary**

20/20100048

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/002.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 34.5
 Ambient Temperature Minimum (°C) : 17.3
 Humidity (%) : 62
 Average Wind Speed (km / hr.) : 08
 Wind Direction : NORTH-EAST

For AKSHAR ENVIRO CONTROL

