

akshar enviro control



POLLUTION CONTROL & INDUSTRIAL SAFETY

REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-06-37/2012

DATE : 30/07/2012

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

1. Name of the Industry / Source : ONGC LTD. Mehsana Asset..
2. Month : JUNE 2012
3. Location : RIG - IPS 700 - VI WELL # BCJD
4. Date of Sampling : 30/06/2012
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	$\mu\text{g}/\text{M}^3$	78	88	67	78
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	26	27	20	24
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	24.6	27.8	25.6	28.4
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	31.7	37.4	36.4	35.1
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	8.8	8.4	7.5	8.2
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1567	1745	1834	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 Delectable Limit. (L. C. of the Instrument – 0.05 ppm).

III REMARKS:-

- Location – I (12:00 PM TO 20:00 PM) : Near Rest House
Location – II (20:00 PM TO 04:00 AM) : Near Rig Floor
Location – III (04:00 AM TO 12:00 PM) : Near D.G. Set House Boundary

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/005.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 38.1
Ambient Temperature Minimum (°C) : 28.5
Humidity (%) : 72
Average Wind Speed (km / hr.) : 15
Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL

Jemvankanti



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REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-06-37/2012

DATE: 30/07/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JUNE 2012**
3. Location : **RIG –IPS 700 – VI WELL # BCJD**
4. Date of Sampling : **30/06/2012**

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	133	145	134	128	136	130	106
2.	Oxide of Sulphur(SO ₂)	100	PPM	43.5	45.9	40.3	42.5	47.5	46.3	28.5
3.	Oxide of Nitrogen(NO _x)	50	PPM	26.8	29.5	28.3	30.6	32.6	30.5	19.5
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.4	7.8	8.0	7.1	7.9	7.6	5.2
5.	Carbon Mono Oxide	150	Mg/NM ³	13	16	15	13	16	15	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 19C 25294029
 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 19 G 28150789
 Location – VI : D.G. Set No. 2 KTA 19-G9 25362419
 Location –VII : Air Compressor Eng. 6BTA 5.9C 84015386

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

For AKSHAR ENVIRO CONTROL

Jamrooboonli



25/20000/08



REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-06-35/2012

DATE : 30/07/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JUNE 2012**
3. Location : **RIG IPS 700 VII** **WELL#SNKJ**
4. Date of Sampling : **25/06/2012**
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	90	78	67	78
2	PM- 2.5	60	µg/M ³	24	26	27	26
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	25.8	18.7	20.4	21.6
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	30.5	27.6	25.9	28.0
5	Hydrocarbons as CH ₄	160	µg/M ³	9.5	7.5	8.8	8.6
6	Carbon Mono Oxide	2000	µg/M ³	1860	1989	1938	1929
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 (12:00 PM TO 20:00 PM) : **Near Rig Floor**
 Location – II (20:00 PM TO 04:00 AM) : **Near Rest House**
 Location – III (04:00 AM TO 12:00 PM) : **Near D.G. House Boundary**

20120000096

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/005.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 37.4
 Ambient Temperature Minimum (°C) : 26.5
 Humidity (%) : 73
 Average Wind Speed (km / hr.) : 13
 Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL

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REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-06-35/2012

DATE: 30/07/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JUNE 2012**
3. Location : **RIG – IPS –700 VII WELL # SNKJ**
4. Date of Sampling : **25/06/2012**

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	136	126	120	137	132	105
2.	Oxide of Sulphur(SO ₂)	100	PPM	40.6	43.4	40.5	41.5	38.9	40.7	22.6
3.	Oxide of Nitrogen(NO _x)	50	PPM	21.7	24.5	20.7	32.1	30.5	32.6	17.6
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.0	7.5	7.1	4.5	7.9	8.1	5.0
5.	Carbon Mono Oxide	150	Mg/NM ³	10	12	14	10	16	17	11
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.1150C 25242268
Location – II : Rig Carrier Eng. 2 KTA.19C 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 K-19 G9 25362423
Location – VI : D.G. Set No. 2 TBD 3V12 13061270074
Location -VII : Mobile Welding Gen. Set S-433 WP/10/041

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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-06-36/2012

DATE : 30/07/2012

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

1. Name of the Industry / Source : ONGC LTD. Mehsana Asset..
2. Month : JUNE 2012
3. Location : RIG M 900-I WELL#SNKE
4. Date of Sampling : 25/06/2012
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	LOCATION	LOCATION	AVG.
				I	II	III	
1	PM- 10	100	µg/M ³	80	62	75	72
2	PM- 2.5	60	µg/M ³	34	26	25	28
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	18.5	21.5	20.4	20.1
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	33.8	30.6	28.5	30.9
5	Hydrocarbons as CH ₄	160	µg/M ³	9.8	8.4	8.9	9.0
6	Carbon Mono Oxide	2000	µg/M ³	1837	1768	1736	1780
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 (12:30 PM TO 20:30 PM) : Near Rig Floor area
 Location – II (20:30 PM TO 04:30 AM) : Near Rest House
 Location – III (04:30 AM TO 12:30 PM) : Near D. G. Set House

25/20000087

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/006.

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 37.6
 Ambient Temperature Minimum (°C) : 26.2
 Humidity (%) : 75
 Average Wind Speed (km / hr.) : 12
 Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL.

[Signature]



ONGC REPORT



REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-06-36/2012

DATE: 30/07/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JUNE 2012**
3. Location : **RIG – M –900 I WELL # SNKE**
4. Date of Sampling : **25/06/2012**

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	115	126	119	123	134	127	110
2.	Oxide of Sulphur(SO ₂)	100	PPM	38.5	35.7	41.1	39.4	40.2	42.4	26.4
3.	Oxide of Nitrogen(NO _x)	50	PPM	23.6	27.3	22.8	33.5	31.0	34.5	19.5
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.6	8.4	8.6	7.8	8.3	8.5	6.4
5.	Carbon Mono Oxide	150	Mg/NM ³	14	15	13	12	18	16	10
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 19C 25339245
 Location – II : Rig Carrier Eng. 2 KTA.19C 25340166
 Location – III : Mud Pump Eng. 1 KTA. 50 P 25308960
 Location – IV : Mud Pump Eng. 2 KTA. 3067 P 25308961
 Location – V : D.G. Set No. 1 K-19 (CUMMINS) 3070889
 Location – VI : D.G. Set No. 2 K 12 (SUDHIR)
 Location -VII : Mobile air compressor N 495 C

25/07/2012

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-06-38/2012

DATE : 30/07/2012

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

1. Name of the Industry / Source : ONGC LTD. Mehsana Asset..
2. Month : JUNE 2012
3. Location : RIG - IPS 700 - V WELL # NKPK
4. Date of Sampling : 30/06/2012
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	$\mu\text{g}/\text{M}^3$	90	82	88	87
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	36	28	29	31
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	27.4	26.9	28.0	27.4
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	38.5	36.4	34.5	36.4
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	9.8	9.5	8.9	9.4
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1845	1786	1726	1786
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 (12:30 PM TO 20:30 PM) : Near Rest House
Location – II (20:30 PM TO 04:30 AM) : Near Rig Floor
Location – III (04:30 AM TO 12:30 PM) : Near D.G. Set House Boundary

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/AEC/006.

METEOROLOGICAL DATA

Ambient Temperature Maximum (°C)	: 38.3
Ambient Temperature Minimum (°C)	: 28.2
Humidity (%)	: 72
Average Wind Speed (km / hr.)	: 13
Wind Direction	: SOUTH-EAST

For AKSHAR ENVIRO CONTROL





REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-06-38/2012

DATE: 30/07/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JUNE 2012**
3. Location : **RIG –IPS 700 – V WELL # NKPS**
4. Date of Sampling : **30/06/2012**

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	131	138	141	133	138	131	---
2.	Oxide of Sulphur(SO ₂)	100	PPM	38.9	39.2	40.1	42.5	47.5	46.3	---
3.	Oxide of Nitrogen(NO _x)	50	PPM	28.5	29.1	28.5	30.3	33.6	31.1	---
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.0	7.3	8.8	8.1	8.0	8.3	---
5.	Carbon Mono Oxide	150	Mg/NM ³	17	18	14	16	15	18	---
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 : ----

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

For AKSHAR ENVIRO CONTROL

