



REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-10-28/2012

DATE : 18/10/2012

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

- | | | | |
|----------------------------------|---|---------------------------|-----------|
| 1. Name of the Industry / Source | : | ONGC LTD. Mehsana Asset.. | |
| 2. Month | : | OCTOBER 2012 | |
| 3. Location | : | RIG IPS 700 V | WELL#LNGH |
| 4. Date of Sampling | : | 11/10/2012 | |
| 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	85	70	64	73
2	PM- 2.5	60	µg/M ³	28	32	24	28
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	27.0	24.7	28.4	26.7
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	33.6	29.3	30.4	31.1
5	Hydrocarbons as CH ₄	160	µg/M ³	10.8	9.7	9.9	10.1
6	Carbon Mono Oxide	2000	µg/M ³	1970	1740	1834	1848
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 | |

20120000171

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

METEOROLOGICAL DATA

- | | | | |
|------------------------------------|---|------------|--|
| Ambient Temperature Maximum (°C) | : | 37.7 | |
| Ambient Temperature Minimum (°C) | : | 25.0 | |
| Humidity (%) | : | 68 | |
| Average Wind Speed (km / hr.) | : | 09 | |
| Wind Direction | : | SOUTH-EAST | |

For AKSHAR ENVIRO CONTROL





REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-10-28/2012

DATE: 18/10/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **OCTOBER 2012**
3. Location : **RIG – IPS –700 V WELL # LNGH**
4. Date of Sampling : **11/10/2012**

II Results :

SR No	PARAMETERS	GPCB Limits	Unit	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	123	134	112	128	139	128	77
2.	Oxide of Sulphur(SO ₂)	100	PPM	35.8	39.1	40.5	36.9	41.3	37.9	23.0
3.	Oxide of Nitrogen(NO _x)	50	PPM	27.8	29.0	31.0	27.8	30.0	26.0	16.3
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	9.2	7.9	9.0	8.8	8.5	9.3	4.1
5.	Carbon Mono Oxide	150	Mg/NM ³	19	15	11	14	19	17	06
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 25339121
 Location – II : Rig Carrier Eng. 2 KTA. 19C 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 3406 DITA-6P2 2RJ05090
 Location – VI : D.G. Set No. 2 KTA-19-G9 25374463
 Location -VII : Mobile Welding Set SIMPSON S-433 98015

2012-0070167

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-10-19/2012

DATE : 18/10/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **OCTOBER 2012**
3. Location : **RIG M- 750-II WELL#BLOE**
4. Date of Sampling : **09/10/2012**
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	92	79	84	85
2	PM- 2.5	60	µg/M ³	41	27	31	33
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	21.9	26.4	20.1	22.8
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	33.5	31.3	26.7	30.5
5	Hydrocarbons as CH ₄	160	µg/M ³	12.4	10.0	9.6	10.7
6	Carbon Mono Oxide	2000	µg/M ³	1890	1961	1630	1827
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

25/12-0000119

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

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 38.2
 Ambient Temperature Minimum (°C) : 26.4
 Humidity (%) : 65
 Average Wind Speed (km / hr.) : 09
 Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL

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REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-10-19/2012

DATE: 18/10/2012

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **OCTOBER 2012**
3. Location : **RIG – M –750 - II WELL # BLOE**
4. Date of Sampling : **09/10/2012**

II Results :

SR No	PARAMETERS	GPCB Limits	Unit	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	123	139	120	131	130	127	86
2.	Oxide of Sulphur(SO ₂)	100	PPM	37.9	40.1	38.7	40.9	36.9	42.6	20.0
3.	Oxide of Nitrogen(NO _x)	50	PPM	26.0	28.8	25.3	33.6	27.0	30.1	14.2
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	8.9	9.1	7.8	7.0	9.2	8.7	3.5
5.	Carbon Mono Oxide	150	Mg/NM ³	18	14	10	17	18	19	08
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 NTA-855-C(BC) 25339296
Location – II : Rig Carrier Eng. 2 NTA-855-C(BC) 25309971
Location – III : Mud Pump Eng. 1 KTA. 50 P 25356785
Location – IV : Mud Pump Eng. 2 KTA. 50 P 25356703
Location – V : D.G. Set No. 1 NTA-14-G-3 25316872
Location – VI : D.G. Set No. 2 KTA-19-G-9 25374464
Location -VII : Air Compressor Set 6BTA 5.9C 84015380

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

For AKSHAR ENVIRO CONTROL



akshar enviro control



POLLUTION CONTROL & INDUSTRIAL SAFETY REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-10-32/2012

DATE : 18/10/2012

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

1. Name of the Industry / Source : ONGC LTD. Mehsana Asset..
2. Month : OCTOBER 2012
3. Location : RIG – E-760-XI WELL # SNKO
4. Date of Sampling : 12/10/2012
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	$\mu\text{g}/\text{M}^3$	81	76	71	76
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	31	24	29	28
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	28.9	30.3	26.4	28.5
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	34.0	37.8	32.9	34.9
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	9.3	10.8	9.9	10.0
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1896	1680	1746	1774
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 (12:00 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) : 36.8
Ambient Temperature Minimum (°C) : 25.6
Humidity (%) : 73
Average Wind Speed (km / hr.) : 12
Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL



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REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-10-32/2012

DATE: 18/10/2012

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

1. Name of the Industry / Source : ONGC LTD. Mehsana Asset..
2. Month : OCTOBER 2012
3. Location : RIG -E- 760 -XI WELL # SNKO
4. Date of Sampling : 12/10/2012

II Results :

SP 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	136	---	---	---	---
2.	Oxide of Sulphur(SO ₂)	100	PPM	41.9	40.0	42.3	---	---	---	---
3.	Oxide of Nitrogen(NO _x)	50	PPM	30.3	27.8	31.0	---	---	---	---
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	9.4	8.5	8.9	---	---	---	---
5.	Carbon Mono Oxide	150	Mg/NM ³	18	16	19	---	---	---	---
6.	Hydrogen Sulphide	45	Mg/NM ³	N.A.	N.A.	N.A.	---	---	---	---

III Remarks:-

- Location – I : D.G. Set No. 1 KTA 50 G 25378248
Location – II : D.G. Set No. 2 KTA 50 G 25340785
Location – III : D.G. Set No. 3 KTA 50 G 25332402
Location – IV : ---
Location – V : ---
Location – VI : ---
Location – VII : ---

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

For AKSHAR ENVIRO CONTROL

