



REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-03-14/2013

DATE : 30/03/2013

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

1. Name of the Industry / Source : ONGC LTD. Mehsana Asset..
2. Month : MARCH 2013
3. Location : RIG E- 760-XI WELL#BLOQ
4. Date of Sampling : 19/03/2013
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	81	87	86
2	PM- 2.5	60	$\mu\text{g}/\text{M}^3$	41	35	38	38
3	Oxide of Sulphur(SO ₂)	80	$\mu\text{g}/\text{M}^3$	27.1	25.9	28.0	27.0
4	Oxide of Nitrogen (NO _x)	80	$\mu\text{g}/\text{M}^3$	35.0	34.2	33.8	34.3
5	Hydrocarbons as CH ₄	160	$\mu\text{g}/\text{M}^3$	13.5	14.0	12.7	13.4
6	Carbon Mono Oxide	2000	$\mu\text{g}/\text{M}^3$	1699	1856	1947	1834
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 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

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

METEOROLOGICAL DATA

- Ambient Temperature Maximum (°C) : 37.2
Ambient Temperature Minimum (°C) : 20.6
Humidity (%) : 59
Average Wind Speed (km / hr.) : 07
Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL





REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-03-14/2013

DATE: 30/03/2013

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2013**
3. Location : **RIG -E- 760 -XI WELL # BLOQ**
4. Date of Sampling : **19/03/2013**

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	139	128	135	102	---	---	---
2.	Oxide of Sulphur(SO ₂)	100	PPM	44.1	39.5	41.0	28.7	---	---	---
3.	Oxide of Nitrogen(NO _x)	50	PPM	33.0	28.5	29.8	20.5	---	---	---
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	10.8	9.9	11.5	6.3	---	---	---
5.	Carbon Mono Oxide	150	Mg/NM ³	22	19	20	08	---	---	---
6.	Hydrogen Sulphide	45	Mg/NM ³	N.A.	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 : Air Compressor N-495-C 2522059
 Location – V : ---
 Location – VI : ---
 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

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DATE : 30/03/2013

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2013**
3. Location : **RIG IPS 700 V WELL# LWJZ**
4. Date of Sampling : **20/03/2013**
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	µg/M ³	87	90	72	83
2	PM- 2.5	60	µg/M ³	34	43	31	36
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	30.8	28.1	28.6	29.2
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	38.0	35.9	36.5	36.8
5	Hydrocarbons as CH ₄	160	µg/M ³	14.5	13.1	15.3	14.3
6	Carbon Mono Oxide	2000	µg/M ³	1809	1951	1895	1885
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**

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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) : 22.0
 Humidity (%) : 60
 Average Wind Speed (km / hr.) : 10
 Wind Direction : SOUTH-EAST

For AKSHAR ENVIRO CONTROL





REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-03-19/2013

DATE: 30/03/2013

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **MARCH 2013**
3. Location : **RIG – IPS –700 - V WELL # LWJZ**
4. Date of Sampling : **20/03/2013**

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	138	129	120	131	128	70
2.	Oxide of Sulphur(SO ₂)	100	PPM	35.9	40.0	31.5	37.0	33.5	38.1	20.3
3.	Oxide of Nitrogen(NO _x)	50	PPM	26.0	28.8	24.6	30.0	26.9	30.5	14.1
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	13.7	11.9	9.8	10.5	9.3	11.0	1.9
5.	Carbon Mono Oxide	150	Mg/NM ³	28	14	18	17	22	20	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-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 3406 DITA – 6P2 2RJ05090**
Location – VI : **D.G. Set No. 2 KTA-19-G-9 25374463**
Location -VII : **Air Compressor Set S-433 98015**

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

For AKSHAR ENVIRO CONTROL

