

REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-07-38/2011

16/08/2011

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JULY 2011**
3. Location : **RIG IPS.700 - V (WELL # LJDF)**
4. Date of Sampling : **13/07/2011**
5. Total Hrs. : **24 hrs.**

II Results :

S R No.	P A R A M E T E R S	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	69	88	72	76
2	PM _{2.5}	60	µg/M ³	26	33	30	30
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	26.3	17.9	21.3	21.8
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	32.9	27.2	31.6	30.6
5	Carbon Mono Oxide	2000	µg/M ³	1990	1430	1690	1703
6	Hydrocarbons as CH ₄	160*	µg/M ³	4.7	1.5	2.2	2.8
7	Hydrogen Sulphide	0.36*	ppm	BDL	BDL	BDL	BDL

* indicates as per GPCB norms.

BDL-Below Detectable Limit. (L. C. of the Instrument – 0.05 ppm .)

III REMARKS:-

Location – I (11:00 HRS TO 19:00 HRS) : **Near Rig Floor**

Location – II (19:00 HRS TO 03:00 HRS) : **Near Rest House**

Location – III (03:00 HRS TO 11:00 HRS) : **Near D.G.House Boundary**

Note: Ambient Air Quality Monitoring done by High Volume Sampler No. Prima/ AEC/004.

METEOROLOGICAL DATA

Ambient Temperature Maximum (°C) : 30.7
Ambient Temperature Minimum (°C) : 24.0
Humidity (%) : 86
Average Wind Speed (km / hr.) : 15
Wind Direction : SOUTH-WEST

For AKSHAR ENVIRO CONTROL

ONGC REPORT



REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-07-34/2011

16/08/2011

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

1. Name of the Industry / Source : **ONGC LTD.**
Mehsana Asset..
2. Month : **JULY 2011**
3. Location : **RIG- IPS-700-V (WELL # LJDF)**
4. Date of Sampling : **13/07/2011**

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							
				LOCATION I	LOCATION II	LOCATION III	LOCATION IV	LOCATION V	LOCATION VI	LOCATION VII	LOCATION VIII
1.	Suspended Particulate Matter (SPM)	150	Mg/NM ³	120	118	122	114	116	117	105	107
2.	Oxide of Sulphur(SO ₂)	100	PPM	36.2	41.3	34.8	42.2	44.3	32.3	21.2	20.8
3.	Oxide of Nitrogen (NO _x)	50	PPM	17.9	14.8	16.2	19.9	18.3	15.6	18.0	17.3
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	7.3	8.2	7.1	7.5	6.8	6.2	6.0	6.5
5.	Carbon Mono Oxide	150	Mg/NM ³	0.48	0.42	0.52	0.56	0.90	0.92	0.42	0.40
6.	Hydrogen Sulphide	45	Mg/NM ³	N.A	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

III REMARKS:-

- Location – I : RIGS CARRIER ENG. 1 KTA . 19 .C 25339121
 Location – II : RIGS 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.6P.2 2RJO5090
 Location – VI : D.G. SET NO.2 MWM TBA.3 V 12 13061260040
 Location – VII : AIR COMPRESSOR ENG.1 SS 75 C PNA 501030
 Location-- VIII : AIR COMPRESSOR ENG.2 P.B.4.210

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

For AKSHAR ENVIRO CONTROL

Jemthali

REPORT OF AMBIENT AIR QUALITY MONITORING

REF. NO. : AEC/ONGC MEH./RA-07-15/2011

16/08/2011

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

1. Name of the Industry / Source : **ONGC LTD. Mehsana Asset..**
2. Month : **JULY 2011**
3. Location : **RIG IPS 700 VI (WELL # NKPA)**
4. Date of Sampling : **07/07/2011**
5. Total Hrs. : **24 hrs.**

II Results :

S R . No.	P A R A M E T E R S	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	84	90	68	81
2	PM _{2.5}	60	µg/M ³	19	25	22	22
3	Oxide of Sulphur(SO ₂)	80	µg/M ³	25.5	17.8	19.9	21.1
4	Oxide of Nitrogen (NO _x)	80	µg/M ³	31.8	26.8	29.6	29.4
5	Carbon Mono Oxide	2000	µg/M ³	1892	1610	1616	1706
6	Hydrocarbons as CH ₄	160*	µg/M ³	4.4	1.2	1.2	2.3
7	Hydrogen Sulphide	0.36*	ppm	BDL	BDL	BDL	BDL

* indicates as per GPCB norms.

BDL-Below Detectable Limit. (L. C. of the Instrument – 0.05 ppm .)

III REMARKS:-

Location – I (10:00 HRS TO 18:00 HRS) : **Near Rig Floor**

Location – II (18:00 HRS TO 02:00 HRS) : **Near Rest House**

Location – III (02:00 HRS TO 10:00 HRS) : **Near D.G. House Boundary**

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

METEOROLOGICAL DATA

Ambient Temperature Maximum (°C) : 37.9
Ambient Temperature Minimum (°C) : 28.4
Humidity (%) : 73
Average Wind Speed (km / hr.) : 10
Wind Direction : SOUTH-WEST

For AKSHAR ENVIRO CONTROL

ONGC REPORT



REPORT OF STACK GAS EMISSION MONITORING

REF. NO. : AEC/ONGC MEH./RS-07-15/2011

16/08/2011

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

1. Name of the Industry / Source : **ONGC LTD.
Mehsana Asset..**
2. Month : **JULY 2011**
3. Location : **RIG- IPS- 700 -VI (WELL # NKPA)**
4. Date of Sampling : **07/07/2011**

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					
				LOCATION I	LOCATION II	LOCATION III	LOCATION IV	LOCATION V	LOCATION VI
1.	Suspended Particulate Matter (SPM)	150	Mg/NM ³	122	126	131	119	134	120
2.	Oxide of Sulphur(SO ₂)	100	PPM	31.4	36.8	30.3	41.2	44.8	39.2
3.	Oxide of Nitrogen(NO _x)	50	PPM	15.8	17.2	18.6	21.0	16.3	17.5
4.	Hydrocarbons as CH ₄	15	Mg/NM ³	7.9	8.2	7.1	8.1	6.8	6.4
5.	Carbon Mono Oxide	150	Mg/NM ³	114	120	108	112	119	109
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 19C 37119907
Location – II : RIG CARRIER ENG.2 KTA 19C 25355615
Location – III : MUD PUMP ENGINE NO. 1 KTA.P.50 25356786
Location – IV : MUD PUMP ENGINE NO. 2 KTA.P.50 25340642
Location – V : D.G. SET NO.1 KTA.1150.G 25217185
Location – VI : D.G. SET NO.2 KTA.19 G 25362419
Location – VII : AIR COMPRESSOR ENG. NTA.495 C 25309443

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

For AKSHAR ENVIRO CONTROL