



EMTRC LAB
EMTRC CONSULTANTS PRIVATE LIMITED
F-66, Road No.2, Phase-I, UPSIDC Industrial Area
Masuri Gulawathi Road, Ghazibad (UP)



NABL Accredited Lab (ISO/IEC:17025), Accredited by NABET-QCI, ISO:9001, OHSAS:18001

Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/08

Monitoring Location : Guwari Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
05-03-2012	PM ₁₀	µg/m ³	76	100(24-hours average)
	PM _{2.5}	µg/m ³	45	60(24-hours average)
	NO ₂	µg/m ³	9.2	80(24-hours average)
	SO ₂	µg/m ³	5.8	80(24-hours average)
	CO	mg/m ³	1.06	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
06-03-2012	PM ₁₀	µg/m ³	72	100(24-hours average)
	PM _{2.5}	µg/m ³	37	60(24-hours average)
	NO ₂	µg/m ³	8.6	80(24-hours average)
	SO ₂	µg/m ³	5.2	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
 Jaithari, Anuppur, Madhya Pradesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/09

Monitoring Location : Guwari Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
12-03-2012	PM ₁₀	µg/m ³	74	100(24-hours average)
	PM _{2.5}	µg/m ³	35	60(24-hours average)
	NO ₂	µg/m ³	8.5	80(24-hours average)
	SO ₂	µg/m ³	5.5	80(24-hours average)
	CO	mg/m ³	1.05	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
13-03-2012	PM ₁₀	µg/m ³	82	100(24-hours average)
	PM _{2.5}	µg/m ³	41	60(24-hours average)
	NO ₂	µg/m ³	9.7	80(24-hours average)
	SO ₂	µg/m ³	6.4	80(24-hours average)
	CO	mg/m ³	1.07	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/10

Monitoring Location : Guwari Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
19-03-2012	PM ₁₀	µg/m ³	76	100(24-hours average)
	PM _{2.5}	µg/m ³	35	60(24-hours average)
	NO ₂	µg/m ³	9.4	80(24-hours average)
	SO ₂	µg/m ³	6.2	80(24-hours average)
	CO	mg/m ³	1.05	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
20-03-2012	PM ₁₀	µg/m ³	70	100(24-hours average)
	PM _{2.5}	µg/m ³	34	60(24-hours average)
	NO ₂	µg/m ³	8.6	80(24-hours average)
	SO ₂	µg/m ³	5.9	80(24-hours average)
	CO	mg/m ³	1.05	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/11

Monitoring Location : Guwari Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
28-03-2012	PM ₁₀	µg/m ³	72	100(24-hours average)
	PM _{2.5}	µg/m ³	34	60(24-hours average)
	NO ₂	µg/m ³	8.7	80(24-hours average)
	SO ₂	µg/m ³	5.8	80(24-hours average)
	CO	mg/m ³	1.06	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
29-03-2012	PM ₁₀	µg/m ³	80	100(24-hours average)
	PM _{2.5}	µg/m ³	41	60(24-hours average)
	NO ₂	µg/m ³	9.7	80(24-hours average)
	SO ₂	µg/m ³	6.4	80(24-hours average)
	CO	mg/m ³	1.07	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/12

Monitoring Location : Pachoha Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
05-03-2012	PM ₁₀	µg/m ³	66	100(24-hours average)
	PM _{2.5}	µg/m ³	29	60(24-hours average)
	NO ₂	µg/m ³	7.5	80(24-hours average)
	SO ₂	µg/m ³	4.9	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
06-03-2012	PM ₁₀	µg/m ³	60	100(24-hours average)
	PM _{2.5}	µg/m ³	28	60(24-hours average)
	NO ₂	µg/m ³	7.2	80(24-hours average)
	SO ₂	µg/m ³	4.5	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

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Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/13

Monitoring Location : Pachoha Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
12-03-2012	PM ₁₀	µg/m ³	64	100(24-hours average)
	PM _{2.5}	µg/m ³	30	60(24-hours average)
	NO ₂	µg/m ³	8.4	80(24-hours average)
	SO ₂	µg/m ³	5.2	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
13-03-2012	PM ₁₀	µg/m ³	70	100(24-hours average)
	PM _{2.5}	µg/m ³	32	60(24-hours average)
	NO ₂	µg/m ³	8.9	80(24-hours average)
	SO ₂	µg/m ³	5.8	80(24-hours average)
	CO	mg/m ³	1.06	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

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Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/14

Monitoring Location : Pachoha Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
19-03-2012	PM ₁₀	µg/m ³	65	100(24-hours average)
	PM _{2.5}	µg/m ³	31	60(24-hours average)
	NO ₂	µg/m ³	8.2	80(24-hours average)
	SO ₂	µg/m ³	5.3	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
20-03-2012	PM ₁₀	µg/m ³	56	100(24-hours average)
	PM _{2.5}	µg/m ³	25	60(24-hours average)
	NO ₂	µg/m ³	5.8	80(24-hours average)
	SO ₂	µg/m ³	4.2	80(24-hours average)
	CO	mg/m ³	1.01	4 (1-hours average)
	Ozone	µg/m ³	28	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

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Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/15

Monitoring Location : Pachoha Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
28-03-2012	PM ₁₀	µg/m ³	68	100(24-hours average)
	PM _{2.5}	µg/m ³	31	60(24-hours average)
	NO ₂	µg/m ³	8.8	80(24-hours average)
	SO ₂	µg/m ³	5.6	80(24-hours average)
	CO	mg/m ³	1.05	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
29-03-2012	PM ₁₀	µg/m ³	60	100(24-hours average)
	PM _{2.5}	µg/m ³	27	60(24-hours average)
	NO ₂	µg/m ³	7.4	80(24-hours average)
	SO ₂	µg/m ³	5.8	80(24-hours average)
	CO	mg/m ³	1.05	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/16

Monitoring Location : Jaithari

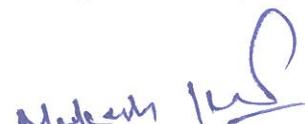
Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
05-03-2012	PM ₁₀	µg/m ³	78	100(24-hours average)
	PM _{2.5}	µg/m ³	37	60(24-hours average)
	NO ₂	µg/m ³	9.4	80(24-hours average)
	SO ₂	µg/m ³	6.2	80(24-hours average)
	CO	mg/m ³	1.07	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
06-03-2012	PM ₁₀	µg/m ³	86	100(24-hours average)
	PM _{2.5}	µg/m ³	42	60(24-hours average)
	NO ₂	µg/m ³	10.8	80(24-hours average)
	SO ₂	µg/m ³	6.5	80(24-hours average)
	CO	mg/m ³	1.08	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

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Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/17

Monitoring Location : Jaithari

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
12-03-2012	PM ₁₀	µg/m ³	80	100(24-hours average)
	PM _{2.5}	µg/m ³	39	60(24-hours average)
	NO ₂	µg/m ³	9.8	80(24-hours average)
	SO ₂	µg/m ³	6.6	80(24-hours average)
	CO	mg/m ³	1.12	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
13-03-2012	PM ₁₀	µg/m ³	84	100(24-hours average)
	PM _{2.5}	µg/m ³	40	60(24-hours average)
	NO ₂	µg/m ³	10.8	80(24-hours average)
	SO ₂	µg/m ³	6.2	80(24-hours average)
	CO	mg/m ³	1.09	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/18

Monitoring Location : Jaithari

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
19-03-2012	PM ₁₀	µg/m ³	76	100(24-hours average)
	PM _{2.5}	µg/m ³	37	60(24-hours average)
	NO ₂	µg/m ³	8.6	80(24-hours average)
	SO ₂	µg/m ³	6.2	80(24-hours average)
	CO	mg/m ³	1.08	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
20-03-2012	PM ₁₀	µg/m ³	86	100(24-hours average)
	PM _{2.5}	µg/m ³	42	60(24-hours average)
	NO ₂	µg/m ³	10.8	80(24-hours average)
	SO ₂	µg/m ³	6.5	80(24-hours average)
	CO	mg/m ³	1.12	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/19

Monitoring Location : Jaithari

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
28-03-2012	PM ₁₀	µg/m ³	78	100(24-hours average)
	PM _{2.5}	µg/m ³	37	60(24-hours average)
	NO ₂	µg/m ³	9.8	80(24-hours average)
	SO ₂	µg/m ³	6.4	80(24-hours average)
	CO	mg/m ³	1.08	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
29-03-2012	PM ₁₀	µg/m ³	88	100(24-hours average)
	PM _{2.5}	µg/m ³	43	60(24-hours average)
	NO ₂	µg/m ³	10.8	80(24-hours average)
	SO ₂	µg/m ³	6.9	80(24-hours average)
	CO	mg/m ³	1.14	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
 Jaithari, Anuppur, Madhya Pradesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/20

Monitoring Location : Chulah Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
05-03-2012	PM ₁₀	µg/m ³	68	100(24-hours average)
	PM _{2.5}	µg/m ³	29	60(24-hours average)
	NO ₂	µg/m ³	7.4	80(24-hours average)
	SO ₂	µg/m ³	5.2	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
06-03-2012	PM ₁₀	µg/m ³	64	100(24-hours average)
	PM _{2.5}	µg/m ³	28	60(24-hours average)
	NO ₂	µg/m ³	7.2	80(24-hours average)
	SO ₂	µg/m ³	4.9	80(24-hours average)
	CO	mg/m ³	1.02	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/21

Monitoring Location : Chulah Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
12-03-2012	PM ₁₀	µg/m ³	64	100(24-hours average)
	PM _{2.5}	µg/m ³	26	60(24-hours average)
	NO ₂	µg/m ³	6.5	80(24-hours average)
	SO ₂	µg/m ³	4.8	80(24-hours average)
	CO	mg/m ³	1.03	4 (1-hours average)
	Ozone	µg/m ³	30	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
13-03-2012	PM ₁₀	µg/m ³	56	100(24-hours average)
	PM _{2.5}	µg/m ³	22	60(24-hours average)
	NO ₂	µg/m ³	6.2	80(24-hours average)
	SO ₂	µg/m ³	4.4	80(24-hours average)
	CO	mg/m ³	1.01	4 (1-hours average)
	Ozone	µg/m ³	28	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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F-66, Road No.2, Phase-I, UPSIDC Industrial Area
Masuri Gulawathi Road, Ghazibad (UP)



NABL Accredited Lab (ISO/IEC:17025), Accredited by NABET-QCI, ISO:9001, OHSAS:18001

Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/22

Monitoring Location : Chulaha Village

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
19-03-2012	PM ₁₀	µg/m ³	70	100(24-hours average)
	PM _{2.5}	µg/m ³	29	60(24-hours average)
	NO ₂	µg/m ³	7.9	80(24-hours average)
	SO ₂	µg/m ³	5.8	80(24-hours average)
	CO	mg/m ³	1.04	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
20-03-2012	PM ₁₀	µg/m ³	64	100(24-hours average)
	PM _{2.5}	µg/m ³	25	60(24-hours average)
	NO ₂	µg/m ³	7.2	80(24-hours average)
	SO ₂	µg/m ³	5.4	80(24-hours average)
	CO	mg/m ³	1.03	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



Mukesh Kumar
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Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/23

Monitoring Location : Chulah Village

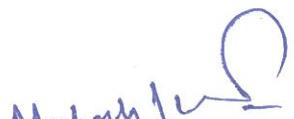
Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
28-03-2012	PM ₁₀	µg/m ³	65	100(24-hours average)
	PM _{2.5}	µg/m ³	26	60(24-hours average)
	NO ₂	µg/m ³	7.8	80(24-hours average)
	SO ₂	µg/m ³	5.5	80(24-hours average)
	CO	mg/m ³	1.06	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
29-03-2012	PM ₁₀	µg/m ³	68	100(24-hours average)
	PM _{2.5}	µg/m ³	28	60(24-hours average)
	NO ₂	µg/m ³	8.4	80(24-hours average)
	SO ₂	µg/m ³	5.8	80(24-hours average)
	CO	mg/m ³	1.05	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011




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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/24

Monitoring Location : Plant Site

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
05-03-2012	PM ₁₀	µg/m ³	78	100(24-hours average)
	PM _{2.5}	µg/m ³	41	60(24-hours average)
	NO ₂	µg/m ³	10.8	80(24-hours average)
	SO ₂	µg/m ³	6.2	80(24-hours average)
	CO	mg/m ³	1.08	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
06-03-2012	PM ₁₀	µg/m ³	86	100(24-hours average)
	PM _{2.5}	µg/m ³	44	60(24-hours average)
	NO ₂	µg/m ³	11.2	80(24-hours average)
	SO ₂	µg/m ³	7.4	80(24-hours average)
	CO	mg/m ³	1.12	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/25

Monitoring Location : Plant Site

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
12-03-2012	PM ₁₀	µg/m ³	80	100(24-hours average)
	PM _{2.5}	µg/m ³	42	60(24-hours average)
	NO ₂	µg/m ³	10.8	80(24-hours average)
	SO ₂	µg/m ³	6.9	80(24-hours average)
	CO	mg/m ³	1.11	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
13-03-2012	PM ₁₀	µg/m ³	84	100(24-hours average)
	PM _{2.5}	µg/m ³	43	60(24-hours average)
	NO ₂	µg/m ³	11.5	80(24-hours average)
	SO ₂	µg/m ³	7.2	80(24-hours average)
	CO	mg/m ³	1.13	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/26

Monitoring Location : Plant Site

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
19-03-2012	PM ₁₀	µg/m ³	86	100(24-hours average)
	PM _{2.5}	µg/m ³	44	60(24-hours average)
	NO ₂	µg/m ³	12.5	80(24-hours average)
	SO ₂	µg/m ³	7.6	80(24-hours average)
	CO	mg/m ³	1.15	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
20-03-2012	PM ₁₀	µg/m ³	84	100(24-hours average)
	PM _{2.5}	µg/m ³	42	60(24-hours average)
	NO ₂	µg/m ³	11.8	80(24-hours average)
	SO ₂	µg/m ³	7.2	80(24-hours average)
	CO	mg/m ³	1.12	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Ambient Air Quality

Party Code No. : MBPL/14/27

Monitoring Location : Plant Site

Sample Collected by : Scientist of EMTRC

TEST RESULTS

Date of Sampling	Parameters	Unit	Result	National Standard
28-03-2012	PM ₁₀	µg/m ³	88	100(24-hours average)
	PM _{2.5}	µg/m ³	45	60(24-hours average)
	NO ₂	µg/m ³	12.8	80(24-hours average)
	SO ₂	µg/m ³	7.6	80(24-hours average)
	CO	mg/m ³	1.16	4 (1-hours average)
	Ozone	µg/m ³	34	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)
29-03-2012	PM ₁₀	µg/m ³	80	100(24-hours average)
	PM _{2.5}	µg/m ³	41	60(24-hours average)
	NO ₂	µg/m ³	12.2	80(24-hours average)
	SO ₂	µg/m ³	7.4	80(24-hours average)
	CO	mg/m ³	1.12	4 (1-hours average)
	Ozone	µg/m ³	32	180 (1-hours average)
	Mercury as Hg	µg/m ³	ND	(24-hours average)

Test Method: -Measurement of ambient air pollutants Volume-1, CPCB-May-2011



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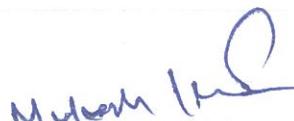


Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradesh-484224
Nature of Sampling : Ambient Noise Quality
Party Code No. : MBPL/14/28
Monitoring Date : 27-03-2012
Sample Collected by : Scientist of EMTRC

Ambient Noise Level (in Leq dB(A))

	Location	Day Time Level	Standard Day Time	Night Time Level	Standard Night Time
1	Security Gate	59.2	75	49.5	65
2	BTG Area	60.2	75	50.1	65
3	Construction Site	63.4	75	49.6	65
4	Site Office	56.7	75	43.5	65
5	Plant Site Road	55.8	75	47.5	65
6	Guwari Village	46.4	55	37.5	45
7	Chulah Village	46.6	55	38.2	45
8	Jaithari	53.8	55	43.8	45
9	Pachoha Village	47.2	55	40.1	45




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Issued To : MB POWER (Madhya Pradesh) Limited
Jaithari, Anuppur, Madhya Pradhesh-484224

Nature of Sampling : Soil Quality

Party Code No. : MBPL/14/29

Date of Sample Collection : 09-03-2012

Sample Collected by : Scientist of EMTRC

ANALYSIS RESULTS

	Parameters	Chandpur Village	Belia Village	Takoli Village	Murra Village	Jaithari
1	Bulk Density; g/cm ³	1.28	1.30	1.28	1.32	1.32
2	Organic matter; %	0.82	0.88	0.82	0.92	0.62
3	Moisture Content, %	1.12	1.54	0.86	1.24	0.86
4	Water Holding Capacity, %	33	34	32	31	31
5	pH (20% slurry)	7.75	7.54	7.68	7.36	7.98
6	Texture	Clay Loam	Clay loam	Clay loam	Clay loam	Sandy Clay Loam
7	Bicarbonates, %	0.06	0.0525	0.045	0.06	0.0675
8	Conductivity (20% slurry), $\mu\text{mhos}/\text{cm}$	110	148	158	130	146
9	Potassium, kg/ha	84	112	122	128	120
10	Phosphorus, kg/ha	40	36	35	38	35
11	Total Kjeldahl Nitrogen, %	0.056	0.057	0.054	0.062	0.032
12	Chloride, mg/kg	124	103	140	154	180
13	Aluminum, %	5.8	4.2	5.2	4.8	5.2
14	Total Iron, %	4.72	2.25	2.86	1.45	2.45
15	Manganese, mg/kg	40.8	26.5	32.5	35.2	28.5
16	Boron, mg/kg	10.6	9.8	10.2	11.8	12.5
17	Zinc, mg/kg	68.4	58.2	62.5	60.8	75.8



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Nature of Sampling : Soil Quality

Party Code No. : MBPL/14/30

Date of Sample Collection : 09-03-2012

Sample Collected by : Scientist of EMTRC

ANALYSIS RESULTS

	Parameters	Pachauha Village	Siwni Village	Chulha Village	Mauhari Village	Pagna Village
1	Bulk Density; g/cm ³	1.24	1.27	1.26	1.22	1.18
2	Organic matter; %	0.94	1.22	1.12	2.58	0.52
3	Moisture Content, %	0.86	0.78	0.82	0.86	0.72
4	Water Holding Capacity, %	34	32	33	34	30
5	pH (20% slurry)	7.92	7.64	7.78	8.01	7.45
6	Texture	Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay	Sandy Clay Loam
7	Bicarbonates, %	0.0525	0.0525	0.06	0.075	0.0375
8	Conductivity (20% slurry), $\mu\text{mhos}/\text{cm}$	252	122	210	480	210
9	Potassium, kg/ha	248	212	240	372	46
10	Phosphorus, kg/ha	47.5	64.8	60.5	68.6	46.5
11	Total Kjeldahl Nitrogen, %	0.056	0.042	0.068	0.072	0.036
12	Chloride, mg/kg	146	116	164	214	198
13	Aluminum, %	3.2	4.8	4.2	5.4	2.5
14	Total Iron, %	1.45	2.22	1.96	2.66	0.54
15	Manganese, mg/kg	32.8	28.6	35.8	31.5	29.5
16	Boron, mg/kg	10.6	10.2	11.2	12.8	14.2
17	Zinc, mg/kg	84.2	72.8	45.8	112.6	58.6



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