



# TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

NABL

RSPCB

ISO 9001:2008

OHSAS 18001:2007

JDA/UDH

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## TEST REPORT

Report No. : A/2367  
Job Identification. : 3899  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 14-11-2014  
Date of Sample Receipt : 17-11-2014  
Date of Test : 17-11-2014 to 05-12-2014  
Sample Collected By : puran mal yogi  
Point of Collection : Dhulkhera Village (Prabhu Lal Carpenter)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	250	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	19.94	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	264.28	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	31.81	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	8.28	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	82.75	IS 5182 (Part 23)	100.00

### Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

  
(Rajesh Maheshwari)  
Technical Manager

  
(Kavita Mathur)  
Authorized Signatory  
(Report No: A/2367)



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## TEST REPORT

Report No. : A/2366  
Job Identification. : 3898  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 14-11-2014  
Date of Sample Receipt : 17-11-2014  
Date of Test : 17-11-2014 to 05-12-2014  
Sample Collected By : Laxmi chand  
Point of Collection : Samodi Village (Near Hanuman Ji Ka Mandir)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	9.78	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	284.89	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	28.24	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	6.55	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	75.25	IS 5182 (Part 23)	100.00

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## TEST REPORT

Report No. : A/2365  
Job Identification. : 3897  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)

Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 14-11-2014  
Date of Sample Receipt : 17-11-2014  
Date of Test : 17-11-2014 to 05-12-2014  
Sample Collected By : Laxmi chand  
Point of Collection : Suras Village (Ratan Lal house-on roof)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	320	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	14.86	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	214.06	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	39.68	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	9.44	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	67.43	IS 5182 (Part 23)	100.00

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## TEST REPORT


Report No. : A/2364  
Job Identification. : 3896  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 14-11-2014  
Date of Sample Receipt : 17-11-2014  
Date of Test : 17-11-2014 to 05-12-2014  
Sample Collected By : puran mal yogi  
Point of Collection : Tiranga Pit (Mining Face)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	12.22	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	249.51	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	35	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	8.59	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	73.73	IS 5182 (Part 23)	100.00

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## TEST REPORT

Report No. : A/2371  
Job Identification. : 4310  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 29-11-2014  
Date of Sample Receipt : 01-12-2014  
Date of Test : 01-12-2014 to 05-12-2014  
Sample Collected By : Darwesh Kumar  
Point of Collection : Dhulkhera Village (Prabhu Lal Carpenter)


## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	410	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	14.69	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	295.82	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	28.63	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	8.75	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	75.42	IS 5182 (Part 23)	100.00

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## TEST REPORT

Report No. : A/2370  
Job Identification. : 4309  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 29-11-2014  
Date of Sample Receipt : 01-12-2014  
Date of Test : 01-12-2014 to 05-12-2014  
Sample Collected By : Darwesh Kumar  
Point of Collection : Near Suras Pit (Mining Face)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	330	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.29	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	313.81	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	31.08	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.31	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	81.98	IS 5182 (Part 23)	100.00

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(Report No: A/2370)



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## TEST REPORT

Report No. : A/2369  
Job Identification. : 4308  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 29-11-2014  
Date of Sample Receipt : 01-12-2014  
Date of Test : 01-12-2014 to 05-12-2014  
Sample Collected By : Darwesh Kumar  
Point of Collection : Samodi Village (Near Hanuman Ji Ka Mandir)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	180	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	10.19	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	221.48	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	27.75	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	6.88	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	64.07	IS 5182 (Part 23)	100.00

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(Report No: A/2369)



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## TEST REPORT


Report No. : A/2368  
Job Identification. : 4307  
Date : 05-12-2014  
Issued To : M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711 Near Tiranga Hills Village: Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 29-10-2014  
Date of Sample Receipt : 01-12-2014  
Date of Test : 01-12-2014 to 05-12-2014  
Sample Collected By : Darwesh Kumar  
Point of Collection : Tiranga Pit (Mining Face)


## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	290	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	15.76	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	306.19	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	31.48	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	7.93	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	84.42	IS 5182 (Part 23)	100.00

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