



# 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/1125  
Job Identification. : 3273/17-18  
Date : 18-08-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 04-08-2017  
Date of Sample Receipt : 05-08-2017  
Date of Test : 05-08-2017 to 18-08-2017  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Near Tiranga Pit [25°19.528" N 074°32.327"E]

## 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> ]	13.45	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	234.03	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	26.01	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	7.45	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	66.04	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

### Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

*Puran*  
Puran Mai Yogi  
Senior Analyst

*Rajesh*  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: A/1125)



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## TEST REPORT

Report No. : A/1128  
Job Identification. : 3276/17-18  
Date : 18-08-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 04-08-2017  
Date of Sample Receipt : 05-08-2017  
Date of Test : 05-08-2017 to 18-08-2017  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Samodi Village [25°20.887" N 074°32.798" E]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	240	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.09	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	126.08	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	22.26	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.05	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	54.12	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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*Rajesh Maheshwari*  
Rajesh Maheshwari  
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## TEST REPORT

Report No. : A/1126  
Job Identification. : 3274/17-18  
Date : 18-08-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 03-08-2017  
Date of Sample Receipt : 05-08-2017  
Date of Test : 05-08-2017 to 18-08-2017  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Dhulkhera Pit [25°23'37" N 074°35.044"E]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	360	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.17	IS 5182 (Part 8) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	260.57	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	31.17	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.33	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	75.34	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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**Rajesh Malleshwari**  
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## TEST REPORT

Report No. : A/1127  
Job Identification. : 3275/17-18  
Date : 18-08-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 03-08-2017  
Date of Sample Receipt : 05-08-2017  
Date of Test : 05-08-2017 to 18-08-2017  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Suras Pit [25°23.402" N 074°34.188" E]

## 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> ]	13.27	IS 5182 (Part 6) : 2006 Reaffirmed 2012	60.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	236.05	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	25.92	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	7.88	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	68.68	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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*Puram Malhotra*  
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*Rajesh Maneshwan*  
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## TEST REPORT

Report No. : A/1290  
Job Identification. : 3933/17-18  
Date : 09-09-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 31-08-2017  
Date of Sample Receipt : 02-09-2017  
Date of Test : 02-09-2017 to 09-09-2017  
Sample Collected By : Sitaram Jangid  
Point of Collection : Near Tiranga Pit [25°19.528" N 074°32.327"E]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	430	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.18	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	190.01	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	22.32	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.35	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	48.22	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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## TEST REPORT

Report No. : A/1293  
Job Identification. : 3936/17-18  
Date : 09-09-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 29-08-2017  
Date of Sample Receipt : 02-09-2017  
Date of Test : 02-09-2017 to 09-09-2017  
Sample Collected By : Sitaram jangid  
Point of Collection : Samodi Village [25°20'53.4"N 74°32'47.7"E]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	320	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.65	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	178.16	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	20.18	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.58	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	48.61	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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*Puran Mal Yogi*  
**Puran Mal Yogi**  
Senior Analyst

*Rajesh Maheshwari*  
**Rajesh Maheshwari**  
Authorized Signatory  
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## TEST REPORT

Report No. : A/1291  
Job Identification. : 3934/17-18  
Date : 09-09-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 30-08-2017  
Date of Sample Receipt : 02-09-2017  
Date of Test : 02-09-2017 to 09-09-2017  
Sample Collected By : Sitaram jangid  
Point of Collection : Dhulkhera Pit [25°23'50.9"N 74°35'02.5"E]

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	380	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.32	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	220.96	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	29.24	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.41	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	66.41	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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*Rajesh Maheshwari*  
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## TEST REPORT

Report No. : A/1292  
Job Identification. : 3935/17-18  
Date : 09-09-2017  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 30-08-2017  
Date of Sample Receipt : 02-09-2017  
Date of Test : 02-09-2017 to 09-09-2017  
Sample Collected By : Sitaram Jangid  
Point of Collection : Suras Pit

## 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> ]	480	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	11.73	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	149.61	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	22.95	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	4.92	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	49.99	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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