



# 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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Phone : 0141-2369980, 2771865  
Report No. teamtesthouse.com  
Website: www.teamtesthouse.com

## TEST REPORT

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049  
E-mail : teamtesthouse@gmail.com  
E-mail : director@teamtesthouse.com

Job Identification : 3446/16-17  
Date : 18-07-2016  
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 : 07-07-2016  
Date of Sample Receipt : 15-07-2016  
Date of Test : 15-07-2016 to 18-07-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Tiranga Pit (Mining Area)

## 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]	14.6	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	208.41	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	27.81	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.82	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	57.77	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.

Puran Ma Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/889)



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Ph.: 94602-22039, 94602-22049  
E-mail : teamtesthouse@gmail.com  
E-mail : director@teamtesthouse.com

Job Identification. :

A/890

Date :

3447/16-17

18-07-2016

Issued To :

M/S Jindal Saw Limited (Dhedwas Mines)

Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai 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 :

07-07-2016

Date of Sample Receipt :

15-07-2016

Date of Test :

15-07-2016 to 18-07-2016

Sample Collected By :

Darwesh Kumar

Point of Collection :

Samodi village

## 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> ]	150	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	7.47	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	119.96	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	19.85	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	4.41	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	45.16	IS 5182 (Part 23)	100.00

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Purnan Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/890)



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## TEST REPORT

Report No. : A/891  
Job Identification. : 3448/16-17  
Date : 27-07-2016  
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 : 08-07-2016  
Date of Sample Receipt : 15-07-2016  
Date of Test : 15-07-2016 to 18-07-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Dhulkhera 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> ]	140	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	8.74	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	179.38	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	21.63	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	4.16	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	50.58	IS 5182 (Part 23)	100.00

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Puran Mehta Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/891)



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Job Identification : A/892  
Date : 3449/16-17  
Issued To : 18-07-2016  
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 : 08-07-2016  
Date of Sample Receipt : 15-07-2016  
Date of Test : 15-07-2016 to 18-07-2016  
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]	160	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.57	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	165.74	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	25.26	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.16	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	63.92	IS 5182 (Part 23)	100.00

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*Puran Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/892)



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## TEST REPORT

Report No.: A/1101  
Job Identification.: 4102/16-17  
Date : 08-08-2016  
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 : 28-07-2016  
Date of Sample Receipt : 03-08-2016  
Date of Test : 03-08-2016 to 08-08-2016  
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> ]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.25	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	163.51	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	19.54	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	5.12	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	56.02	IS 5182 (Part 23)	100.00

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Purnan Mal Yogi  
Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: A/1101)



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## TEST REPORT

Report No. : A/1102  
Job Identification. : 4103/16-17  
Date : 08-08-2016  
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 : 28-07-2016  
Date of Sample Receipt : 03-08-2016  
Date of Test : 03-08-2016 to 08-08-2016  
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> ]	140	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	10.36	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	124.03	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	16.2	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	4.57	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	39.27	IS 5182 (Part 23)	100.00

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Puran Mal Yogi  
Senior Analyst

  
Rafesh Maheshwari  
Authorized Signatory  
(Report No: A/1102)



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## TEST REPORT

Report No. :	A/1103	
Job Identification. :	4104/16-17	
Date :	08-08-2016	
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 :	29-07-2016	
Date of Sample Receipt :	03-08-2016	
Date of Test :	03-08-2016 to 08-08-2016	
Sample Collected By :	Darwesh Kumar	
Point of Collection :	Dhulkhera Pit	

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	160	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	10.32	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	144.93	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	23.75	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.96	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	54.41	IS 5182 (Part 23)	100.00

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*Puran Maurya*  
Puran Maurya  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/1103)



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E-mail : [director@teamtesthouse.com](mailto:director@teamtesthouse.com)

## TEST REPORT

Report No. : A/1104  
Job Identification. : 4105/16-17  
Date : 08-08-2016  
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 : 29-07-2016  
Date of Sample Receipt : 03-08-2016  
Date of Test : 03-08-2016 to 08-08-2016  
Sample Collected By : Darwesh Kumar  
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> ]	130	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	8.99	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	154.7	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	20	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	4.22	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	48.62	IS 5182 (Part 23)	100.00

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