



TEAM TEST HOUSE

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



TC-5025

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

NABL RSPCB ISO 9001:2008 OHSAS 18001:2007 JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur-302001
Phone : 0141-2369980, 2771865
Website : www.teamtesthouse.com

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

TEST REPORT

Report No. :	A/1890
Job Identification. :	5590/17-18
Date :	06-11-2017
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 :	11-10-2017
Date of Sample Receipt :	14-10-2017
Date of Test :	14-10-2017 to 04-11-2017
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/m3]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	18.15	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	296.49	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	33.48	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.26	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	80.42	IS 5182 (Part 23)-2006 Reaffirmed 2012	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 Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: A/1890)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/1893
Job Identification. : 5593/17-18
Date : 06-11-2017
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 : 09-10-2017
Date of Sample Receipt : 14-10-2017
Date of Test : 14-10-2017 to 06-11-2017
Sample Collected By : Parsa Ram Kudi
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]	14.82	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	250.21	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	25.19	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.7	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	69.6	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Purna Malhotra
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/1893)



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TEST REPORT

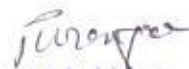
Report No. : A/1891
 Job Identification. : 5591/17-18
 Date : 06-11-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 11-10-2017
 Date of Sample Receipt : 14-10-2017
 Date of Test : 14-10-2017 to 04-11-2017
 Sample Collected By : Parsa Ram Kudi
 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]	310	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	15.5	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	254.37	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	35.36	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.13	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	84.08	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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 P. S. Singh
 Senior Analyst


 Rajesh Maheshwari
 Authorized Signatory
 (Report No: A/1891)



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

TEST REPORT

Report No. : A/1892
 Job Identification. : 5592/17-18
 Date : 06-11-2017
 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 : 11-10-2017
 Date of Sample Receipt : 14-10-2017
 Date of Test : 14-10-2017 to 06-11-2017
 Sample Collected By : Parsa Ram Kudi
 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/m3]	290	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	16.74	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	344.58	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	37.53	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.98	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	76.84	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puram
Puram Mal Yogi
Senior Analyst

Rajen
Rajesh Mishra
Authorized Signatory
(Report No: A/1892)



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E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/1914
 Job Identification. : 5916/17-18
 Date : 06-11-2017
 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 : 25-10-2017
 Date of Sample Receipt : 28-10-2017
 Date of Test : 28-10-2017 to 06-11-2017
 Sample Collected By : Sandeep Kumar
 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]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.29	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	375.77	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	29.12	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.21	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	88.7	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran Mai Yogi
 Senior Analyst

Rajesh Maheshwari
 Authorized Signatory
 (Report No: A/1914)



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E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/1917
Job Identification. : 5919/17-18
Date : 06-11-2017
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 : 26-10-2017
Date of Sample Receipt : 28-10-2017
Date of Test : 28-10-2017 to 06-11-2017
Sample Collected By : Sandeep Kumar
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]	330	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.58	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	257.45	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	29.26	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.88	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	86.27	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Tiranga
Tiranga
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/1917)



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E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/1915
Job Identification : 5917/17-18
Date : 06-11-2017
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 : 25-10-2017
Date of Sample Receipt : 28-10-2017
Date of Test : 28-10-2017 to 06-11-2017
Sample Collected By : Sandeep Kumar
Point of Collection : Near Dhulkhera Pit [25°23'50.9"N74°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]	310	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.92	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	332	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	32.61	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.56	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	88.70	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/1915)



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E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/1916
 Job Identification. : 5918/17-18
 Date : 06-11-2017
 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 : 26-10-2017
 Date of Sample Receipt : 28-10-2017
 Date of Test : 28-10-2017 to 06-11-2017
 Sample Collected By : Sandeep Kumar
 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/m3]	260	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.26	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	378.13	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	33.87	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.51	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	82.58	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran
 Puran Mal Yogi
 Senior Analyst

Rajesh
 Rajesh Maheshwan
 Authorized Signatory
 (Report No: A/1916)