



# 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

Office : E-85, 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@teamfesthouse.com

## TEST REPORT

Report No. : A/4160  
Job Identification. : 8182  
Date : 06-01-2016  
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 : 14-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 04-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Dariba Village (Hariram House)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.69	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	216.38	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	27.38	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.62	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	63.41	IS 5182 (Part 23)	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.

*Rajesh Maheshwari*  
Furan Mar Yog  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4160)



# 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

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/4164  
Job Identification. : 8186  
Date : 06-01-2016  
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 : 15-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 05-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Pur Village (Ram Lal House)

## 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> ]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.48	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	331.45	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	33.83	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	8.48	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	76.25	IS 5182 (Part 23)	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 Mat Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4164)



# 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

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/4165  
Job Identification. : 8187  
Date : 06-01-2016  
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 : 15-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 05-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Kanoli Village (Kuldeep singh house -On Roof)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.28	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	228.08	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	29.55	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.62	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	70.7	IS 5182 (Part 23)	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 Maji Yogi*  
Puran Maji Yogi  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4165)



# 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

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

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

## TEST REPORT

Report No: A/4166  
Job Identification: 8188  
Date: 16-01-2016  
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: 16-12-2015  
Date of Sample Receipt: 24-12-2015  
Date of Test: 24-12-2015 to 05-01-2016  
Sample Collected By: Darwesh Kumar  
Point of Collection: Gandhi sagar village

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.42	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	289.22	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	30.01	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.43	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	71.66	IS 5182 (Part 23)	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.

Senior Analyst

Rajesh Maheshwar  
Authorized Signatory  
(Report No: A/4166)



# 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

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

Report No. :

Job Identification. :

Date :

Issued To :

Type of Unit :

Type of Sample :

Date of Sample Collection/Monitoring :

Date of Sample Receipt :

Date of Test :

Sample Collected By :

Point of Collection :

## TEST REPORT

A/4168

8190

16-01-2016

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)

Mines

Ambient Air Quality Monitoring

17-12-2015

24-12-2015

24-12-2015 to 16-01-2016

Darwesh Kumar

Near Benification (1A)

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

## 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]	14.91	IS 5182 (Part 6) : 2006	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	36.77	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	9.07	IS 5182 (Part 2) : 2001	80.00
5	Particulate Matter (PM 10) [microgram/m3]	74.6	IS 5182 (Part 23)	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	269.39	IS 5182 (Part 4) : 1999	-

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 Mal Yogi  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4168)



# 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

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/4169  
Job Identification: 8191  
Date: 16-01-2016  
Issued To: M/S Jindal Saw Limited (Dhedwas Mines)  
Type of Unit: Mines  
Type of Sample: Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring: 18-12-2015  
Date of Sample Receipt: 24-12-2015  
Date of Test: 24-12-2015 to 16-01-2016  
Sample Collected By: Darwesh Kumar  
Point of Collection: Near CIL Camp

Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara District-Bhilwara 311802 (Rajasthan)

## 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]	14.67	IS 5182 (Part 6) : 2006	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	42.47	CPCB Guidelines	60.00
4	Sulphur Dioxide [microgram/m3]	9.98	IS 5182 (Part 2) : 2001	80.00
5	Particulate Matter (PM 10) [microgram/m3]	84	IS 5182 (Part 23)	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	296.53	IS 5182 (Part 4) : 1999	-

**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.

*Purushottam*  
Purushottam Mal Yogi  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4169)



# 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

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/4167  
Job Identification. : 8189  
Date : 06-01-2016  
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/Moinitoring : 13-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 05-01-2016  
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> ]	350	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	20.3	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	291.52	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	38.16	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> ]	88.97	IS 5182 (Part 23)	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 Maurya  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4167)



# 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

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

Report No.

Job Identification.:

Date :

Issued To :

Type of Unit :

Type of Sample :

Date of Sample Collection/Monitoring :

Date of Sample Receipt :

Date of Test :

Sample Collected By :

Point of Collection :

## TEST REPORT

A/4163

8185

16-01-2016

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)

Mines

Ambient Air Quality Monitoring

15-12-2015

24-12-2015

24-12-2015 to 04-01-2016

Darwesh Kumar

Dhulkhera Village (Prabhu Lal Carpenter)

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

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	270	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.75	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	289.65	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	29.56	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.53	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	72.93	IS 5182 (Part 23)	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.

*Anurag*  
Anurag Mar Yogi  
Senior Analyst

*Rajesh*  
Rajesh Manohar  
Authorized Signatory  
(Report No: A/4163)



# 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

Office : E-65, Chitranganj 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/4162  
Job Identification. : 8184  
Date : 06-01-2016  
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 : 14-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 04-01-2016  
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> ]	240	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	12.7	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	301.52	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	30.44	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	7.84	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	59.62	IS 5182 (Part 23)	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 Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4162)



# 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

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

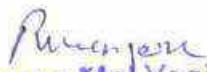
Report No. : A/4161  
Job Identification. : 8183  
Date : 06-01-2016  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 14-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 04-01-2016  
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/m3]	230	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.63	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	255.4	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	25.39	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.41	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	62.19	IS 5182 (Part 23)	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 Mal Yogi  
Senior Analyst

  
Raiesh Maheshwari  
Authorized Signatory  
(Report No: A/4161)



# 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

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/4251  
Job Identification. : 8664  
Date : 09-01-2016  
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 : 28-12-2015  
Date of Sample Receipt : 31-12-2015  
Date of Test : 31-12-2015 to 09-01-2016  
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/m3]	390	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	17.08	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	291.49	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	27.11	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.99	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	73.8	IS 5182 (Part 23)	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 Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4251)



# 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

Office : E-65, Chitranganj 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/4252  
Job Identification. : 8665  
Date : 09-01-2016  
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 : 28-12-2015  
Date of Sample Receipt : 31-12-2015  
Date of Test : 31-12-2015 to 09-01-2016  
Sample Collected By : gajendra meena  
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> ]	260	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.15	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	228.46	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	28.18	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	6.61	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	64.22	IS 5182 (Part 23)	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 Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4252)



# 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

Office : E-65, Chitranganj 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/4253  
Job Identification. : 8666  
Date : 09-01-2016  
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 : 28-12-2015  
Date of Sample Receipt : 31-12-2015  
Date of Test : 31-12-2015 to 09-01-2016  
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> ]	320	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.34	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	199.54	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	25.44	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	7.43	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	53.57	IS 5182 (Part 23)	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 Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4253)



# 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

Office : E-65, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

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

## TEST REPORT

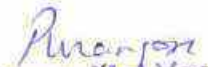
Report No. : A/4254  
Job Identification. : 8667  
Date : 09-01-2016  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Ambient Air Quality Monitoring  
Date of Sample Collection/Monitoring : 28-12-2015  
Date of Sample Receipt : 31-12-2015  
Date of Test : 31-12-2015 to 09-01-2016  
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> ]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	10.83	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	264.68	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	28.99	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	6.28	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	60.84	IS 5182 (Part 23)	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 Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4254)



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranjan 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	W/NABL/792
Job Identification	<b>8214</b>
Date	13/01/2016
Issued to	M/s Jindal Saw Limited, Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.9697/6711Near Tiranga Hills Village: Pur, Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Sample	Potable and Domestic Water
Type of Unit	Mines
Date of Sample Collection	21/12/2015
Date of sample receipt	24/12/2015
Date of Test	24/12/2015 to 12/01/2016
Sample Collected By	Mr. Darwesh Kumar
Sampling Location	Piezometer Well No. 1

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	Less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	BDL (< 0.1)	IS 3025(Part 10): 1984
5	pH	7.35	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	570	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	442.42	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	1695	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	152	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	46.36	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	180	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	4.11	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

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

S. No	Parameters	Observed Value	Testing protocol
16	Fluoride as F mg/l	0.66	IS 3025(Part 60)
17	Cadmium as Cd mg/l	BDL (< 0.001)	IS 3025(Part 41): 1992
18	Arsenic as As mg/l	BDL (< 0.01)	IS 3025(Part 37): 1988
19	Lead as Pb mg/l	BDL (< 0.01)	IS 3025(Part 47): 1994
20	Zinc as Zn mg/l	BDL (< 0.01)	IS 3025(Part 49): 1994
21	Total Alkalinity as CaCO <sub>3</sub> mg/l	244	IS 3025(Part 23): 1986
22	Aluminum as Al mg/l	BDL (< 0.01)	IS 3025(Part 55): 2003
23	Boron as B mg/l	0.32	IS 13428 (Annexure H)
24	Suspended Solids mg/l	15	IS 3025(Part 15): 1984
25	Total Chromium as Cr	BDL (< 0.01)	APHA 2012:3111-B
26	Total Residual Chlorine mg/l	BDL (< 0.1)	IS 3025(Part 26): 1986
27	Selenium mg/l	BDL (< 0.01)	IS 3025(Part 56): 2003
28	Nickel mg/l	BDL (< 0.01)	IS 3025(Part 54): 2003

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Duran Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/792)



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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	W/NABL/793
Job Identification	8215
Date	13/01/2016
Issued to	M/s Jindal Saw Limited, Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.9697/6711Near Tiranga Hills Village: Pur, Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Sample	Potable and Domestic Water
Type of Unit	Mines
Date of Sample Collection	21/12/2015
Date of sample receipt	24/12/2015
Date of Test	24/12/2015 to 12/01/2016
Sample Collected By	Mr. Darwesh Kumar
Sampling Location	Piezometer Well No.2 (Plant Gate No.6)

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	Less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	BDL (< 0.1)	IS 3025(Part 10): 1984
5	pH	7.00	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	468	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	167.75	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	896	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	132.8	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	33.05	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	82.50	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	BDL(<1.0)	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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](http://www.teamtesthouse.com)

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

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
16	Fluoride [mg/l]	0.60	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	360	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.16	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	5	IS 3025 (part 15) : 1984
25	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
27	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003
28	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003

### 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 Mathyogi*  
Puran Mathyogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/793)



# 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

Office : E-65, Chitranganj 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. : W/NABL/794  
Job Identification. : 8216  
Date : 13-01-2016  
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 : Potable and Domestic Water  
Date of Sample Collection/Monitoring : 21-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 13-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Piezometer Well No.3 (Suras Mine)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.14	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	428	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	178.81	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	854	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	131.2	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	24.3	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	72.50	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	32.50	IS 3025 (Part 34) : 1988

Note:

Continue to next page...

Rejwa



# 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**

Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

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

## RESULTS

Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol
16	Fluoride [mg/l]	1.31	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	376	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	10	IS 3025 (part 15) : 1984
25	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
27	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003
28	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003

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.

*Purayon*  
Duran M. Singh  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/794 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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	W/NABL/795
Job Identification	<b>8217</b>
Date	13/01/2016
Issued to	M/s Jindal Saw Limited, Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.9697/6711Near Tiranga Hills Village: Pur, Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Sample	Potable and Domestic Water
Type of Unit	Mines
Date of Sample Collection	21/12/2015
Date of sample receipt	24/12/2015
Date of Test	24/12/2015 to 12/01/2016
Sample Collected By	Mr. Darwesh Kumar
Sampling Location	Piezometer Well No.4(Suras Mine)

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	Less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	BDL (< 0.1)	IS 3025(Part 10): 1984
5	pH	8.51	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	150	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	175.12	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	1090	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	29.6	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	18.47	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	337.50	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	BDL(<1.0)	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

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

S. No	Parameters	Observed Value	Testing protocol
16	Fluoride as F mg/l	0.14	IS 3025(Part 60)
17	Cadmium as Cd mg/l	BDL (< 0.001)	IS 3025(Part 41): 1992
18	Arsenic as As mg/l	BDL (< 0.01)	IS 3025(Part 37): 1988
19	Lead as Pb mg/l	BDL (< 0.01)	IS 3025(Part 47): 1994
20	Zinc as Zn mg/l	BDL (< 0.01)	IS 3025(Part 49): 1994
21	Total Alkalinity as CaCO <sub>3</sub> mg/l	162	IS 3025(Part 23): 1986
22	Aluminum as Al mg/l	BDL (< 0.01)	IS 3025(Part 55): 2003
23	Boron as B mg/l	0.23	IS 13428 (Annexure H)
24	Suspended Solids mg/l	9	IS 3025(Part 15): 1984
25	Total Chromium as Cr	BDL (< 0.01)	APHA 2012:3111-B
26	Total Residual Chlorine mg/l	BDL (< 0.1)	IS 3025(Part 26): 1986
27	Selenium mg/l	BDL (< 0.01)	IS 3025(Part 56): 2003
28	Nickel mg/l	BDL (< 0.01)	IS 3025(Part 54): 2003

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/795)



# TEAM TEST HOUSE

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



T-1763, T-2276

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	W/NABL/796
Job Identification	8218
Date	13/01/2016
Issued to	M/s Jindal Saw Limited, Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.9697/6711Near Tiranga Hills Village: Pur, Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Sample	Potable and Domestic Water
Type of Unit	Mines
Date of Sample Collection	21/12/2015
Date of sample receipt	24/12/2015
Date of Test	24/12/2015 to 12/01/2016
Sample Collected By	Mr. Darwesh Kumar
Sampling Location	Piezometer Well No.5

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	Less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	BDL (< 0.1)	IS 3025(Part 10): 1984
5	pH	8.26	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	224	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	299.55	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	1518	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	48	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	25.27	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	456.25	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	1.70	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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](http://www.teamtesthouse.com)


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

S. No	Parameters	Observed Value	Testing protocol
16	Fluoride as F mg/l	1.47	IS 3025(Part 60)
17	Cadmium as Cd mg/l	BDL (< 0.001)	IS 3025(Part 41): 1992
18	Arsenic as As mg/l	BDL (< 0.01)	IS 3025(Part 37): 1988
19	Lead as Pb mg/l	BDL (< 0.01)	IS 3025(Part 47): 1994
20	Zinc as Zn mg/l	BDL (< 0.01)	IS 3025(Part 49): 1994
21	Total Alkalinity as CaCO <sub>3</sub> mg/l	360	IS 3025(Part 23): 1986
22	Aluminum as Al mg/l	BDL (< 0.01)	IS 3025(Part 55): 2003
23	Boron as B mg/l	0.19	IS 13428 (Annexure H)
24	Suspended Solids mg/l	12	IS 3025(Part 15): 1984
25	Total Chromium as Cr	Not Detected	APHA 2012:3111-B
26	Total Residual Chlorine mg/l	BDL (< 0.1)	IS 3025(Part 26): 1986
27	Selenium mg/l	BDL (< 0.01)	IS 3025(Part 56): 2003
28	Nickel mg/l	BDL (< 0.01)	IS 3025(Part 54): 2003

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

  
Puran Maheshwari  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/796)



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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	W/NABL/797
Job Identification	8219
Date	13/01/2016
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 Sample	Potable and Domestic Water
Type of Unit	Mines
Date of Sample Collection	21/12/2015
Date of sample receipt	24/12/2015
Date of Test	24/12/2015 to 12/01/2016
Sample Collected By	Mr. Darwesh Kumar
Sampling Location	Piezometer Well No.6(Dhulkhera Mine)

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	Less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	BDL (< 0.1)	IS 3025(Part 10): 1984
5	pH	7.06	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	480	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	127.19	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	980	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	124	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	41.48	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	155.00	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	2.42	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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](http://www.teamtesthouse.com)

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

S. No	Parameters	Observed Value	Testing protocol
16	Fluoride as F mg/l	0.60	IS 3025(Part 60)
17	Cadmium as Cd mg/l	BDL (< 0.001)	IS 3025(Part 41): 1992
18	Arsenic as As mg/l	BDL (< 0.01)	IS 3025(Part 37): 1988
19	Lead as Pb mg/l	BDL (< 0.01)	IS 3025(Part 47): 1994
20	Zinc as Zn mg/l	BDL (< 0.01)	IS 3025(Part 49): 1994
21	Total Alkalinity as CaCO <sub>3</sub> mg/l	450	IS 3025(Part 23): 1986
22	Aluminum as Al mg/l	BDL (< 0.01)	IS 3025(Part 55): 2003
23	Boron as B mg/l	0.10	IS 13428 (Annexure H)
24	Suspended Solids mg/l	3	IS 3025(Part 15): 1984
25	Total Chromium as Cr	Not Detected	APHA 2012:3111-B
26	Total Residual Chlorine mg/l	BDL (< 0.1)	IS 3025(Part 26): 1986
27	Selenium mg/l	BDL (< 0.01)	IS 3025(Part 56): 2003
28	Nickel mg/l	BDL (< 0.01)	IS 3025(Part 54): 2003

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Purnan Mahayogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/797)



# TEAM TEST HOUSE

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



T-1763, T-2276

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. : W/NABL/798  
Job Identification : 8220  
Date : 18-01-2016  
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 : Potable and Domestic Water  
Date of Sample Collection/Monitoring : 21-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 18-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Piezometer Well No. 7

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984
5	pH	8.10	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	124	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	129.04	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	730	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	23.2	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	16.04	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992
13	Sulphate [mg/l]	100.25	IS 3025 (Part 24) : 1986
14	Nitrate [mg/l]	BDL (<1.0)	IS 3025 (Part 34) : 1988
15	Fluoride [mg/l]	1.29	IS 3025 (Part 60)

Note:

Continue to next page...

Rajan



# TEAM TEST HOUSE

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



T-1763, T-2276

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](http://www.teamtesthouse.com)

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049  
E-mail : [teamtesthouse@gmail.com](mailto:teamtesthouse@gmail.com)  
[TestingProtocol@teamtesthouse.com](mailto:TestingProtocol@teamtesthouse.com)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
16	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
17	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988
18	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
19	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994
20	Alkalinity - T [mg/l]	192	IS 3025 (Part 23) : 1986
21	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
22	Boron [mg/l]	0.42	IS 13428 (Annexure H)
23	Suspended Solids [mg/l]	5	IS 3025 (part 15) : 1984
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986
26	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003
27	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003
28	Manganese [mg/l]	BDL(<0.01)	APHA :2012 :3111- B

### 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 Mal Yogi**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: W/NABL/798 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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. : W/NABL/799  
 Job Identification. : 8221  
 Date : 18-01-2016  
 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 : Potable and Domestic Water  
 Date of Sample Collection/Monitoring : 21-12-2015  
 Date of Sample Receipt : 24-12-2015  
 Date of Test : 24-12-2015 to 18-01-2016  
 Sample Collected By : Darwesh Kumar  
 Point of Collection : Piezometer Well No. 8

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984
5	pH	8.07	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	142	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	26.73	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	676	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	28	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	17.5	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992
13	Sulphate [mg/l]	60.00	IS 3025 (Part 24) : 1986
14	Nitrate [mg/l]	1.35	IS 3025 (Part 34) : 1988
15	Fluoride [mg/l]	1.33	IS 3025 (Part 60)

Note:

Continue to next page...

Rajan



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049

## RESULTS

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

S.No	Parameters	Observed Value	Testing Protocol
16	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
17	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988
18	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
19	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994
20	Alkalinity - T [mg/l]	226	IS 3025 (Part 23) : 1986
21	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
22	Boron [mg/l]	0.24	IS 13428 (Annexure H)
23	Suspended Solids [mg/l]	8	IS 3025 (part 15) : 1984
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986
26	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003
27	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003
28	Manganese [mg/l]	BDL(<0.01)	APHA :2012 :3111- B

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 Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/799 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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. : WW/NABL/743  
Job Identification. : 8212  
Date : 13-01-2016  
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 : Wastewater Sample  
Date of Sample Collection/Monitoring : 20-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 12-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Tailing Filter Press Recycling

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	2976	APHA.2012:2540-D	-
2	Suspended Solids [mg/l]	17	APHA.2012:2540-E	100
3	Ammonical Nitrogen [mg/l]	3.36	APHA:2012 : 4500-NH3	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	0.4	APHA 2012:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	28.9	APHA:2012 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA : 2012	0.2
7	Dissolved Oxygen [mg/l]	7.2	APHA : 2012	-
8	Fluoride [mg/l]	0.66	APHA : 2012	2.0
9	Nitrate Nitrogen [mg/l]	5.47	APHA:2012 : 4500-NO3	10
10	pH	7.66	APHA:2012 : 4500 H+B	5.5 - 9.0
11	Phosphate (total) [mg/l]	Not detected	APHA 2012 : 4500-P C	5
12	Sulphide [mg/l]	BDL (< 0.1)	APHA. 2012 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	7.9	APHA 2012 : 4500-Norg B	100
14	Arsenic [mg/l]	0.08	APHA :2012 :3111- B	0.2
15	Cadmium [mg/l]	0.01	APHA :2012 :3111- B	2.0

Note:

Continue to next page...

Raj



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

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

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
16	Copper [mg/l]	0.01	APHA :2012 :3111- B	3.0
17	Iron [mg/l]	0.01	APHA :2012 :3111- B	3.0
18	Lead [mg/l]	0.05	APHA :2012 :3111- B	0.1
19	Manganese [mg/l]	0.09	APHA :2012 :3111- B	-
20	Mercury [mg/l]	BDL(<0.01)	APHA : 2012	0.01
21	Nickel [mg/l]	0.04	APHA :2012 :3111- B	3.0
22	Zinc [mg/l]	0.01	APHA :2012 :3111- B	5.0
23	Oil & Grease [mg/l]	2	APHA-2012 :5520-B	10
24	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2012 : 4500-CI-B	1.0
25	Free ammonia as N [mg/l]	0.55	APHA:2012 : 4500-NH3	-

### 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.

Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: WW/NABL/743 )



## 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

Office : E-65, Chitranganj 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. : WW/743  
Job Identification : 8212  
Date : 13-01-2016  
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 : Wastewater Sample  
Date of Sample Collection/Monitoring : 20-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 12-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Tailing Filter Press Recycling

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Selenium [mg/l]	0.01	APHA : 2012	0.05
2	color [Hazen]	Less than 5	APHA : 2012	-
3	Phenolic compounds [mg/l]	0.02	APHA : 2012	1.0

#### 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 Mat Yogi  
Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: WW/743)



# TEAM TEST HOUSE

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



T-1763, T-2276

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.: G1-564, 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. : WW/NABL/742  
 Job Identification. : 8211  
 Date : 13-01-2016  
 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 : Wastewater Sample  
 Date of Sample Collection/Monitoring : 20-12-2015  
 Date of Sample Receipt : 24-12-2015  
 Date of Test : 24-12-2015 to 12-01-2016  
 Sample Collected By : Darwesh Kumar  
 Point of Collection : Tailing Pond Recycling Water

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	2676	APHA:2012:5240-D	-
2	Suspended Solids [mg/l]	14	APHA.2012:2540-E	100
3	Ammonical Nitrogen [mg/l]	2.68	APHA:2012 : 4500-NH3	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	2	APHA 2012:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	13.76	APHA:2012 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA : 2012	0.2
7	Dissolved Oxygen [mg/l]	6.05	APHA : 2012	-
8	Fluoride [mg/l]	0.84	APHA : 2012	2.0
9	Nitrate Nitrogen [mg/l]	5.14	APHA:2012 : 4500-NO3	10
10	pH	7.70	APHA:2012 : 4500 H+B	5.5 - 9.0
11	Phosphate (total) [mg/l]	0.06	APHA 2012 : 4500-P C	5
12	Sulphide [mg/l]	BDL (< 0.1)	APHA. 2012 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	10.5	APHA 2012 : 4500-Norg B	100
14	Arsenic [mg/l]	0.03	APHA : 2012	0.2
15	Cadmium [mg/l]	0.01	APHA .2012 :3111- B	2.0

Note:

Continue to next page...



# TEAM TEST HOUSE

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



T-1763, T-2276

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](http://www.teamtesthouse.com)

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

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
16	Copper [mg/l]	0.01	APHA :2012 :3111- B	3.0
17	Iron [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	3.0
18	Lead [mg/l]	0.08	APHA :2012 :3111- B	0.1
19	Manganese [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	-
20	Mercury [mg/l]	BDL(<0.01)	APHA : 2012	0.01
21	Nickel [mg/l]	0.03	APHA :2012 :3111- B	3.0
22	Zinc [mg/l]	0.04	APHA :2012 :3111- B	5.0
23	Oil & Grease [mg/l]	3	APHA-2012 :5520-B	10
24	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2012 : 4500-CI-B	1.0
25	Free ammonia as N [mg/l]	0.28	APHA:2012 : 4500-NH3	-

### 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 Mal Jogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: WW/NABL/742 )



# 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

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. : WW/742  
Job Identification. : 8211  
Date : 13-01-2016  
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 : Wastewater Sample  
Date of Sample Collection/Monitoring : 20-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 12-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Tailing Pond Recycling Water

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	
1	Selenium [mg/l]	0.01	APHA : 2012	0.05
2	color [Hazen]	Less than 5	APHA : 2012	-
3	Phenolic compounds [mg/l]	0.04	APHA : 2012	1.0

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.

  
Duran Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: WW/742)



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitraranjan 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	: WW/NABL/741
Job Identification	: 8210
Date	: 22/01/2016
Issued to	: M/s. Jindal Saw Limited Dhedwas Iron Ore Copper & Associated Minerals Mines, Araji no. 9697/6711 Near Tiranga Hills Village – Pur, Tehsil & District – Bhilwara – 311802
Type of Unit	: Mines
Type of Sample	: Waste Water
Collected by	: Mr. Darwesh Kumar
Date of Sample Collection	: 20/12/2015
Date of Received	: 24/12/2015
Date of Test	: 24/12/2015 to 12/01/2016
Point of Collection	: Water Reservoir Pond

## RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	25
2.	pH	-	8.25
3.	Total Suspended Solids	mg/l	14
4.	Oil & Grease mg/l	mg/l	3.0
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	8.0
6.	Chemical Oxygen Demand	mg/l	33.02
7.	Dissolved Oxygen	mg/l	4.1
8.	Ammonical Nitrogen as NH <sub>4</sub> -N	mg/l	5.2
9.	Total Kjeldhal Nitrogen as N	mg/l	10.3
10.	Free Ammonia as NH <sub>3</sub>	mg/l	0.85
11.	Nitrate Nitrogen as NO <sub>3</sub> -N	mg/l	7.50
12.	Total Residual Chlorine	mg/l	BDL (<0.1)
13.	Fluoride	mg/l	1.84
14.	Total Dissolved Solid (TDS)	mg/l	3457
15.	Total Phosphate as PO <sub>4</sub> -P	mg/l	4.36
16.	Sulphide as S	mg/l	1.52
17.	Phenolic Compound	mg/l	0.14
18.	Arsenic as As	mg/l	BDL(<0.01)
19.	Mercury as Hg	mg/l	BDL(<0.001)
20.	Lead as Pb	mg/l	0.32
21.	Cadmium as Cd	mg/l	BDL (< 0.01)
22.	Copper as Cu	mg/l	0.18
23.	Zinc as Zn	mg/l	2.01
24.	Selenium as Se	mg/l	BDL(<0.01)
25.	Nickel as Ni	mg/l	0.10
26.	Cynide as CN	mg/l	BDL(<0.01)
27.	Manganese as Mn	mg/l	0.15
28.	Iron as Fe	mg/l	0.45

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

*Puran*  
Puran Mal Yogi  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: WW/NABL/741)



# TEAM TEST HOUSE

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



T-1763, T-2276

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  
Job Identification  
Date  
Issued to

W/NABL/733  
**8123**  
11/01/2016  
M/s Jindal Saw Limited,  
Dhedwas Iron Ore Copper & Associated Minerals  
Mines Araj No.9697/6711Near Tiranga Hills Village:  
Pur,  
Tehsil & District Bhilwara - 311802 (Rajasthan)  
Potable and Domestic Water  
Mines  
17/12/2015  
22/12/2015  
22/12/2014 to 11/01/2016  
Mr.Darwesh Kumar  
Pur Village (Near Balaji Mandir)

Type of Sample  
Type of Unit  
Date of Sample Collection  
Date of sample receipt  
Date of Test  
Sample Collected By  
Point Of collection

## RESULTS

S. No	Parameters	Observed Value	Testing protocol	Standard Desirable limits as per IS: 10500, 2012	Standard Permissible limits in the absence of alternative source as per IS: 10500, 2012
1	Color Hazen	Less than 5.0	IS 3025(Part 4): 1983	5	15
2	Odour	Agreeable	IS 3025(Part 5): 1983	Agreeable	-
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984	Agreeable	-
4	Turbidity NTU	BDL (< 0.1)	IS 3025(Part 10): 1984	1	5.00
5	pH	6.97	IS 3025(Part 11): 1984	6.5 – 8.5	-
6	Total Hardness as CaCO <sub>3</sub> mg/l	580	IS 3025(Part 21): 1983	200	600.00
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003	0.3	-
8	Chlorides as Cl mg/l	460.85	IS 3025(Part 32): 1988	250	1000
9	Total Dissolved Solids mg/l	1596	IS 3025(Part 16): 1984	500	2000
10	Calcium as Ca mg/l	156	IS 3025(Part 40): 1991	75	200
11	Magnesium as Mg mg/l	46.36	IS 3025(Part 46): 1994	30	100
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992	0.05	1.50
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate as SO <sub>4</sub> mg/l	213.25	IS 3025(Part 24): 1986	200	400
15	Nitrate as NO <sub>3</sub> mg/l	24.50	IS 3025(Part 34): 1988	45	-



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab : G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph : 94602-22039, 94602-22049

Website : www.teamtesthouse.com

## RESULTS

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.61	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	410	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.10	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	23	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

### 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 Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/773)



# TEAM TEST HOUSE

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



T-1763, T-2276

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. : W/NABL/769  
 Job Identification. : 8119  
 Date : 18-01-2016  
 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 : Potable and Domestic Water  
 Date of Sample Collection/Monitoring : 15-12-2015  
 Date of Sample Receipt : 22-12-2015  
 Date of Test : 22-12-2015 to 11-01-2016  
 Sample Collected By : Darwesh Kumar  
 Point of Collection : Dhulkhera Village (Handpump Nr. NH 79)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.01)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.75	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	376	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	81.11	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	458	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	120	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	18.47	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	17.75	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	3.29	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

*Rajon*



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049

Website : www.teamtesthouse.com

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standards Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.26	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	284	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.23	IS 13428 (Annexure H)	0.5	1.0
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	11	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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

*Rajesh Maheshwari*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: W/NABL/769 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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. : W/NABL/770  
 Job Identification. : 8120  
 Date : 11-01-2016  
 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 : Potable and Domestic Water  
 Date of Sample Collection/Monitoring : 20-12-2015  
 Date of Sample Receipt : 22-12-2015  
 Date of Test : 22-12-2015 to 11-01-2016  
 Sample Collected By : Darwesh Kumar  
 Point of Collection : Samodi Village (Bheel Basti Near Govt. Handpump front Ratan Lal  
 Yadav Plot)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.17	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	570	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	77.42	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1053	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	172	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	34.02	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	72.75	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	36.96	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Rajan



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph: 94602-22039, 94602-22049

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standards Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.316	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	360	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.21	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	7	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

### 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 Mal Yogi  
Senior Analyst

*Rajan*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/770)



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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. : W/NABL/771  
 Job Identification. : 8121  
 Date : 11-01-2016  
 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 : Potable and Domestic Water  
 Date of Sample Collection/Monitoring : 20-12-2015  
 Date of Sample Receipt : 22-12-2015  
 Date of Test : 22-12-2015 to 11-01-2016  
 Sample Collected By : Darwesh Kumar  
 Point of Collection : Suras Village (Govt. Handpump Near Palki Rani Ka Mandir)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.20	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	112.45	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	560	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	160	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	31.59	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	80.5	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	39.84	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Rajan



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab : G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph : 94602-22039, 94602-22049

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.39	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	292	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.35	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	17	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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 Mal Yogi  
Senior Analyst

Rajesh Manoharan  
Authorized Signatory  
(Report No: W/NABL/771 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranjan 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. : W/NABL/772  
Job Identification : 8122  
Date : 13-01-2016  
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 : Potable and Domestic Water  
Date of Sample Collection/Monitoring : 16-12-2015  
Date of Sample Receipt : 22-12-2015  
Date of Test : 22-12-2015 to 11-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Dariba Village (H.P weater Nr. Ayurvedic Hospital)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.02	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	580	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	95.86	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	953	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	164	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	41.31	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	56.5	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	23.75	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page....

Rajan



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.38	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	470	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.20	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	4	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.01)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

### 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 Maheshwari  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/772 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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. : W/NABL/775  
Job Identification. : 8125  
Date : 11-01-2016  
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 : Potable and Domestic Water  
Date of Sample Collection/Monitoring : 17-12-2015  
Date of Sample Receipt : 22-12-2015  
Date of Test : 22-12-2015 to 11-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Gandhi sagar village (Tubewell water of Gandhi park)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.49	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	550	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	364.07	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1179	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	128	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	55.89	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	-	-
14	Sulphate [mg/l]	177.50	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	7.35	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Raj



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.52	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	296	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	-
23	Boron [mg/l]	0.23	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	4	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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 Mal Yogi  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/775)



# TEAM TEST HOUSE

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



T-1763, T-2276

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. : W/NABL/774  
Job Identification. : 8124  
Date : 11-01-2016  
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 : Potable and Domestic Water  
Date of Sample Collection/Monitoring : 17-12-2015  
Date of Sample Receipt : 22-12-2015  
Date of Test : 22-12-2015 to 11-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Kanoli Village (Govt.Handpump water of Govt. Middle school)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.97	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	236	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	23.04	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	442	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	57.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	22.36	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	26.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	7.90	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Rajiv



# TEAM TEST HOUSE

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



T-1763, T-2276

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

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.37	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	220	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.25	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-

### 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 Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/774 )



# TEAM TEST HOUSE

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



T-1763, T-2276

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	W/NABL/777
Job Identification	8127
Date	18/01/2016
Issued to	M/s Jindal Saw Limited, Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.9697/6711Near Tiranga Hills Village: Pur,Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Sample	Surface Water
Type of Unit	Mines
Date of Sample Collection	20/12/2015
Date of sample receipt	22/12/2015
Date of Test	22/12/2015 to 11/01/2016
Sample Collected By	Mr.Darwesh Kumar
Sampling Location	Meja Dam

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	Less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	2.8	IS 3025(Part 10): 1984
5	pH	7.33	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	76	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	23.5	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	235	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	24	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	3.89	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	25	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	4.76	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph: 94602-22039, 94602-22049  
E-mail : [teamtesthouse@gmail.com](mailto:teamtesthouse@gmail.com)  
[rajesh.purohit@teamtesthouse.com](mailto:rajesh.purohit@teamtesthouse.com)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
16	Fluoride [mg/l]	0.18	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	144	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.52	IS 13428 (Annexure H)
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002
25	Suspended Solids [mg/l]	37	IS 3025 (part 15) : 1984
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003

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 Mal Yool**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: W/NABL/777)



# TEAM TEST HOUSE

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



T-1763, T-2276

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,  
G-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	W/NABL/776
Job Identification	8126
Date	20/01/2016
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 Sample	Surface Water
Type of Unit	Mines
Date of Sample Collection	20/12/2015
Date of sample receipt	22/12/2015
Date of Test	22/12/2015 to 11/01/2016
Sample Collected By	Mr. Darwesh Kumar
Sampling Location	Somodi Pond

## RESULTS

S. No	Parameters	Observed Value	Testing protocol
1	Color Hazen	less than 5	IS 3025(Part 4): 1983
2	Odour	Agreeable	IS 3025(Part 5): 1983
3	Taste	Agreeable	IS 3025(Part 7 & 8): 1984
4	Turbidity NTU	1.0	IS 3025(Part 10): 1984
5	pH	7.68	IS 3025(Part 11): 1984
6	Total Hardness as CaCO <sub>3</sub> mg/l	134	IS 3025(Part 21): 1983
7	Iron as Fe mg/l	BDL (< 0.01)	IS 3025(Part 53): 2003
8	Chlorides as Cl mg/l	18.89	IS 3025(Part 32): 1988
9	Total Dissolved Solids mg/l	307	IS 3025(Part 16): 1984
10	Calcium as Ca mg/l	44.8	IS 3025(Part 40): 1991
11	Magnesium as Mg mg/l	5.35	IS 3025(Part 46): 1994
12	Copper as Cu mg/l	BDL (< 0.01)	IS 3025(Part 42): 1992
13	Manganese as Mn mg/l	BDL (< 0.01)	IS 3025 (Part 59)
14	Sulphate as SO <sub>4</sub> mg/l	23.75	IS 3025(Part 24): 1986
15	Nitrate as NO <sub>3</sub> mg/l	14.46	IS 3025(Part 34): 1988



# TEAM TEST HOUSE

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



T-1763, T-2276

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](http://www.teamtesthouse.com)

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049  
E-mail : [teamtesthouse@gmail.com](mailto:teamtesthouse@gmail.com)  
[Fooddirector@teamtesthouse.com](mailto:Fooddirector@teamtesthouse.com)

S. No	Parameters	Observed Value	Testing protocol
16	Fluoride as F mg/l	0.21	IS 3025(Part 60)
17	Cadmium as Cd mg/l	BDL (< 0.001)	IS 3025(Part 41): 1992
18	Arsenic as As mg/l	BDL (< 0.01)	IS 3025(Part 37): 1988
19	Lead as Pb mg/l	BDL (< 0.01)	IS 3025(Part 47): 1994
20	Zinc as Zn mg/l	BDL (< 0.01)	IS 3025(Part 49): 1994
21	Total Alkalinity as CaCO <sub>3</sub> mg/l	116	IS 3025(Part 23): 1986
22	Aluminum as Al mg/l	BDL (< 0.01)	IS 3025(Part 55): 2003
23	Boron as B mg/l	0.12	IS 13428 (Annexure H)
24	Total coliform(MPN/100ml)	Not Detected	IS5401(Part 2); 2002
25	Suspended Solids mg/l	83	IS 3025(Part 15): 1984
26	Total Chromium as Cr	BDL(<0.01)	APHA 2012:3111-B
27	Total Residual Chlorine mg/l	BDL (< 0.1)	IS 3025(Part 26): 1986
28	Selenium mg/l	BDL (< 0.01)	IS 3025(Part 56): 2003

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/NABL/776)



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj 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. : W/NABL/782  
 Job Identification : 8213  
 Date : 12-01-2016  
 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 : Potable and Domestic Water  
 Date of Sample Collection/Monitoring : 21-12-2015  
 Date of Sample Receipt : 24-12-2015  
 Date of Test : 24-12-2015 to 12-01-2016  
 Sample Collected By : Darwesh Kumar  
 Point of collection : Borewell Water (Nr. BFN Building)

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.91	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	520.76	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1486	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	132	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	48.6	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Sulphate [mg/l]	256.25	IS 3025 (Part 24) : 1986	200.00	400.00
14	Nitrate [mg/l]	23.60	IS 3025 (Part 34) : 1988	45.00	-
15	Fluoride [mg/l]	0.85	IS 3025 (Part 60)	1.00	1.50

Note:

Continue to next page...

*Raj*



# TEAM TEST HOUSE

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



T-1763, T-2276

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, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph.: 94602-22039, 94602-22049

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
17	Arsenic [mg/l]	BDL(<0.01)	IS 3025 (Part 37) : 1988	0.01	0.05
18	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
19	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
20	Alkalinity - T [mg/l]	252	IS 3025 (Part 23) : 1986	200.00	600.00
21	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003	-	-
22	Boron [mg/l]	0.30	IS 13428 (Annexure H)	1.00	5.00
23	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
27	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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

*Rajesh Maheshwari*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: W/NABL/782)



# 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

Office : E-65, Chitranganj Marg,  
C-Scheme, Jaipur-303001  
Phone : 0141-2369980, 2771865  
Website : www.teamtesthouse.com

### TEST REPORT

A/4170

06/01/2016

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)

Mines

14/12/2015 to 16/12/2015

24/12/2015

24/12/2015

Darwesh Kumar

Ambient Noise Monitoring

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

Issued to

Type of Unit

Date of Monitoring

Date of Sample Receipt

Date of Test

Sample Collected by

Type of Monitoring

### RESULTS

Sr. No.	Point Of Monitoring	Type of Area	Observed value [ Leq dB (A)] Day Time	Observed value [ Leq dB (A)] Night Time
1.	Pur Village (Near Ganesh Mandir)	Rural Area	53.2	42.7
2.	Samodi Village ( Near Balaji Temple)	Rural Area	50.7	39.5
3.	Suras Village (Nr. Roshanlal Gurjar Home)	Rural Area	51.4	40.3
4.	Gandhi Sagar Village (Gandhi park)	Rural Area	53.5	43.6
5.	Kanoli Village (Nr. Kuldeep Singh Ranawat House)	Rural Area	48.4	37.4
6.	Dhulkhera	Rural Area	52.8	43.5
7.	Dariba Village	Rural Area	49.6	41.7

### Standard Limits [in dB (A)] Leq

Category of Area/ Zone	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Note: -

- 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 Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No.: - A/4170)



# 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

Office : E-65, Chitranganj Marg,  
C-Scheme, Jaipur-302001  
Phone : 0141-2369980, 2771865  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

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

## TEST REPORT

Report No.                      A/4171

Date                              06/01/2016

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

Date of Monitoring            20/12/2015 to 22/12/2015

Date of Sample Receipt      24/12/2015

Date of Test                    24/12/2015

Sample Collected by        Darwesh Kumar

Type of Monitoring            Ambient Noise Monitoring

## RESULTS

Sr. No.	Point Of Monitoring	Type of Area	Observed value [ Leq dB (A)] Day Time	Observed value [ Leq dB (A)] Night Time
1.	Dhulkhera Pit (Nr. Raw material loading area)	Industrial Area	70.3	62.2
2.	Suras Pit ((Nr. Raw material loading area)	Industrial Area	68.2	61.4
3	Tirnga Pit ((Nr. Raw material loading area)	Industrial Area	71.4	62.5
4	Filter Fresh Buildindg	Industrial Area	65.4	57.2
5	Nr. Raw Material Storage Yard	Industrial Area	68.2	59.8
6	Nr. PMS Building	Industrial Area	71.4	64.2
7	Nr. Tata Blue Scope Shed	Industrial Area	68.4	61.2
8	Nr. Crusher (CCR Building)	Industrial Area	65.6	59.3

### Standard Limits [in dB (A)] Leq:

Category of Area/ Zone	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

**Note: -**

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. 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.
3. 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/4171)



**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

Office : E-65, Chitranganj 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/4172  
Job Identification : 8207  
Date : 06-01-2016  
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 : Fugitive Emission Quality Monitoring  
Date of Sample Collection/Monitoring : 20-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 05-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Near Haul Road

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m <sup>3</sup> ]	492.18	IS 5182 (Part 4) : 1999

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 Mat Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4172)



# 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

Office : E-65, Chitranjan 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

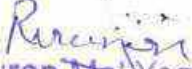
Report No. : A/4173  
Job Identification. : 8208  
Date : 06-01-2016  
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)  
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.  
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara  
District-Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Fugitive Emission Quality Monitoring  
Date of Sample Collection/Monitoring : 19-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 05-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Near Raw Material Storage

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m <sup>3</sup> ]	452.18	IS 5182 (Part 4) : 1999

### 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 Maurya  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4173)



# 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

Office : E-65, Chitranganj 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/4174  
Job Identification. : 8209  
Date : 06-01-2016  
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 : Fugitive Emission Quality Monitoring  
Date of Sample Collection/Monitoring : 19-12-2015  
Date of Sample Receipt : 24-12-2015  
Date of Test : 24-12-2015 to 05-01-2016  
Sample Collected By : Darwesh Kumar  
Point of Collection : Near Crusher Line -3

## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m <sup>3</sup> ]	476.98	IS 5182 (Part 4) : 1999

### 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 Mat Vadi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/4174)