



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/773
Job Identification. : 1915/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)

Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 11-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 30-06-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Pur Village Shree Pyare Lal Visnoi Balaji Contractor's House in Pur

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	290	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.44	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	221.14	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.59	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.01	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	60.49	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Purnima Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/773)



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/777
Job Identification. : 1976/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhitwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 10-06-2017
Date of Sample Receipt : 20-06-2017
Date of Test : 20-06-2017 to 04-07-2017
Sample Collected By : Parsa Ram Kudi
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/m ³]	330	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.11	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	245.09	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	31.19	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.41	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	73.63	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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


Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/777)



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/772
Job Identification. : 1914/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 11-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 30-06-2017
Sample Collected By : Parsa Ram Kudi
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]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	10.66	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	231.33	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	25.04	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.57	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	71.31	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes >

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

Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: A/772)



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/775
Job Identification. : 1917/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhitwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 12-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 01-07-2017
Sample Collected By : Parsa Ram Kudi
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/m ³]	250	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.38	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	226.22	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	33.96	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	4.78	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	76.86	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/775)



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/774
 Job Identification. : 1916/17-18
 Date : 04-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 09-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 30-06-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Single Mill Area Benefication Plant

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.47	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	366.26	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	28.79	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.22	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	74.92	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Puran Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: A/774)



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/776
 Job Identification : 1918/17-18
 Date : 04-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 09-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 01-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Mines Workshop (Near CIL Camp)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	380	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.09	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	347.52	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	33.46	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	79.46	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Puran Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: A/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, 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/400
Job Identification. : 1927/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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 : 17-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Piezometer Well No.1

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	7.10	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	560	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]	484.53	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1749	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]	36.45	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]	248.10	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	35.73	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

(Handwritten Signature)



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]	1.01	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(<0.001)	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]	324	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]	0.52	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	410	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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 Mehta
Puran Mehta
Senior Analyst

K.N. Mukhonbadyay
K.N. Mukhonbadyay
Authorized Signatory
(Report No: W/NABL/400)



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. :

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

Job Identification :
Date :
Issued To :

W/400
1927/17-18
11-07-2017

M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Tirnga Hills, Village : Pur Tehsil : Bhilwara
District : Bhilwara- 311802 (Rajasthan)

Type of Unit :
Type of Sample :
Date of Sample Collection/Monitoring :
Date of Sample Receipt :
Date of Test :
Sample Collected By :
Point of Collection :

Mines
Potable and Domestic Water
17-06-2017
19-06-2017
19-06-2017 to 07-07-2017
Parsa Ram Kudi
Piezometer Well No.1

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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 M. Fogi
Puran M. Fogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/400)



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-85, 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/401
Job Identification : 1928/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
9967/6711, Near Tirnaga 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 : 16-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Piezometer Welll No.2

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	7.12	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]	204.26	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1170	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	156	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	46.36	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]	172.70	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	41.24	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

(Handwritten Signature)



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 : 0141-2389980, 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]	1.32	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(<0.001)	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]	327	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]	0.44	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	390	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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
Puran Mal Yogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/NABL/401)



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/401	
Job Identification. :	1928/17-18	
Date :	11-07-2017	
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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 :	16-06-2017	
Date of Sample Receipt :	19-06-2017	
Date of Test :	19-06-2017 to 07-07-2017	
Sample Collected By :	Parsa Ram Kudi	
Point of Collection :	Piezometer Welll No.2	

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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
Puran Mal Jogi
Senior Analyst

K.N. Mukhophadyay
K.N. Mukhophadyay
Authorized Signatory
(Report No: W/401)



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/402
 Job Identification : 1929/17-18
 Date : 11-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
 9967/6711, Near Tirnga 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 : 16-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 07-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Piezometer Well No.3

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	7.45	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	560	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]	248	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1362	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	43.92	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]	160	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	35.26	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Bayan



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

Lab.: G1-584, Sitapura Industrial Area
Tonk Road, JAIPUR-302022 Raj.

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]	0.87	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(<0.001)	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]	340	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]	0.45	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	15	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	380	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Purush Majhi
Purush Majhi
Senior Analyst

Rajesh Maneshwan
Rajesh Maneshwan
Authorized Signatory
(Report No: W/NABL/402)



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. :
Job Identification. : 1929/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
9967/6711, Near Tirnga 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 : 16-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Piezometer Well No.3

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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

Kajesh Maheshwari
Authorized Signatory
(Report No: W/402)



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/403
 Job Identification : 1930/17-18
 Date : 11-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
 9967/6711, Near Tirnga 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 : 16-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 07-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Piezometer Welll No.4

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	7.52	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	250	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]	346.77	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1266	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	48	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]	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]	210.40	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	22.7	IS 3025 (Part 34) : 1983	45.00	-

Note:

Continue to next page...

[Handwritten Signature]



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	Requirement (Acceptable Limit) as per IS 10500 : 2012
16	Fluoride [mg/l]	0.41	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(<0.001)	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]	230	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]	0.27	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	7	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	120	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Purana
Purana Mal Yogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/NABL/403)



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. : W/403
Job Identification : 1930/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No. 9967/6711, Near Tirnga 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 : 16-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudl
Point of Collection : Piezometer Welll No.4

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purushotam
Purushotam Yogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/403)



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/404
 Job Identification. : 1931/17-18
 Date : 11-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9967/6711, 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 : 16-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 07-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Piezometer Well No.5

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	7.13	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	600	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]	399.03	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1502	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	53.46	IS 3025 (Part 48) : 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]	367.50	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	41.60	IS 3025 (Part 34) : 1988	45.00	-

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, 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]	1.35	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(<0.001)	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]	335	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]	0.56	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	6	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	380	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Ravi Mal Yogi
Senior Analyst

K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/NABL/404)



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. :

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

W/404

1931/17-18

11-07-2017

M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9967/6711, Near Tingra Hills, Village : Pur Tehsil : Bhilwara
District : Bhilwara- 311802 (Rajasthan)

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 :

Mines

Potable and Domestic Water

16-06-2017

19-06-2017

19-06-2017 to 07-07-2017

Parsa Ram Kudi

Piezometer Well No.5

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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 Mai Yogi
Senior Analyst

K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/404)



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/405
Job Identification. : 1932/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9967/6711, Near Tirnga 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 : 16-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Piezometer Welll No.6

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	7.21	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]	275.52	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1366	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	46.17	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]	76.90	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	33.94	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Handwritten signature



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,

RESULTS

Lab : G1-584, Sitapura Industrial Area

S.No	Parameters	Observed Value	Testing Protocol	Requirement	Remarks
					absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.04	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(<0.001)	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]	364	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]	0.54	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	7	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	380	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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 Majhi
Senior Analyst

K.N. Mukhobhadyay
Authorized Signatory

(Report No: W/NABL/405)



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
Report No. :
Website : www.teamtesthouse.com
Job Identification :

TEST REPORT

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

Date :

W/405
1932/17-18
11-07-2017

Issued To :

M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Tirnga 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 :

16-06-2017

Date of Sample Receipt :

19-06-2017

Date of Test :

19-06-2017 to 07-07-2017

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Piezometer Welll No.6

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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

K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/405)



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/406
Job Identification. : 1933/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Tirnga 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 : 16-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Piezometer Well No.7

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	7.52	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	330	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]	176	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	982	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	104	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	17.08	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]	80	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	25.40	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-85, 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]	1.22	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(<0.001)	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]	350	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]	0.29	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	13	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	380	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maneshwari
Authorized Signatory
(Report No: W/NABL/406)



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. : W/406
Job Identification. : 1933/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9967/6711, Near Tirnga 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 : 16-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Piezometer Well No.7

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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

Kareshi Wadgeswari
Authorized Signatory
(Report No: W/406)



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/407
Job Identification. :	1934/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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 :	16-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Piezometer Welll No.8

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	8.14	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	132	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]	28.5	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	325	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	16	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]	28	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	26.6	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Basu



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]	0.93	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(<0.001)	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]	140	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]	0.38	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	40	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

Notes :-

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

Puran
Puran Mal Yogi

Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/407)



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/407

Job Identification. :

1934/17-18

Date :

11-07-2017

Issued To :

M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Timga 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 :

16-06-2017

Date of Sample Receipt :

19-06-2017

Date of Test :

19-06-2017 to 07-07-2017

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Piezometer Well No.8


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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.


Purnima
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/407)



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

Job Identification	: WW/NABL/366
Date	: 1939/17-18
Issued to	: 13/07/2017
Type of Unit	: M/s. Jindal Saw Limited
Type of Sample	: Dhedwas Iron Ore Copper & Associated Minerals
Collected by	: Mines , Araji no. 9697/6711 Near Tiranga Hills
Date of Sample Collection	: Village - Pur Tehsil & District – Bhilwara – 311802
Date of Received	: Mines
Date of Test	: Waste Water
Point of Collection	: Mr. Parsha Ram Kudi
	: 17/06/2017
	: 19/06/2017
	: 19/06/2017 to 13/07/2017
	: Tailing Filter Press Recycling Water

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	5
2.	pH	-	7.58
3.	Total Suspended Solids	mg/l	24
4.	Oil & Grease mg/l	mg/l	3
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	1.6
6.	Chemical Oxygen Demand	mg/l	29.22
7.	Dissolved Oxygen	mg/l	6.2
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	0.70
9.	Total Kjeldahl Nitrogen as N	mg/l	1.4
10.	Free Ammonia as NH ₃	mg/l	1.26
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	8.13
12.	Total Residual Chlorine	mg/l	BDL (< 0.1)
13.	Fluoride	mg/l	1.05
14.	Total Dissolved Solid (TDS)	mg/l	1912
15.	Total Phosphate as PO ₄ -P	mg/l	2.06
16.	Sulphide as S	mg/l	BDL (< 0.1)
17.	Phenolic Compound	mg/l	BDL(<0.0001)
18.	Arsenic as As	mg/l	BDL(<0.01)
19.	Mercury as Hg	mg/l	BDL(<0.001)
20.	Lead as Pb	mg/l	0.02
21.	Cadmium as Cd	mg/l	BDL (< 0.001)
22.	Copper as Cu	mg/l	0.03
23.	Zinc as Zn	mg/l	0.10
24.	Selenium as Se	mg/l	BDL(<0.01)
25.	Nickel as Ni	mg/l	0.03
26.	Cyanide as CN	mg/l	BDL(<0.01)
27.	Manganese as Mn	mg/l	0.07
28.	Iron as Fe	mg/l	0.05

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 Manesriwan
Authorized Signatory
(Report No: WW/NABL/366)



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 : G1-564, 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 : WWW/NABL/367
Job Identification : 1940/17-18
Date : 13/07/2017
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. Parsha Ram Kudi
Date of Sample Collection : 17/06/2017
Date of Received : 19/06/2017
Date of Test : 19/06/2017 to 13/07/2017
Point of Collection : Tailing Pond

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	5
2.	pH	-	7.44
3.	Total Suspended Solids	mg/l	28
4.	Oil & Grease mg/l	mg/l	7
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	3.5
6.	Chemical Oxygen Demand	mg/l	40.32
7.	Dissolved Oxygen	mg/l	6.4
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	2.52
9.	Total Kjeldahal Nitrogen as N	mg/l	3.12
10.	Free Ammonia as NH ₃	mg/l	0.84
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	5.14
12.	Total Residual Chlorine	mg/l	BDL (< 0.1)
13.	Fluoride	mg/l	0.92
14.	Total Dissolved Solid (TDS)	mg/l	2077
15.	Total Phosphate as PO ₄ -P	mg/l	2.52
16.	Sulphide as S	mg/l	BDL (< 0.1)
17.	Phenolic Compound	mg/l	BDL(<0.0001)
18.	Arsenic as As	mg/l	BDL(<0.01)
19.	Mercury as Hg	mg/l	BDL(<0.001)
20.	Lead as Pb	mg/l	0.03
21.	Cadmium as Cd	mg/l	BDL (< 0.001)
22.	Copper as Cu	mg/l	0.05
23.	Zinc as Zn	mg/l	0.16
24.	Selenium as Se	mg/l	BDL(<0.01)
25.	Nickel as Ni	mg/l	0.04
26.	Cynide as CN	mg/l	BDL(<0.01)
27.	Manganese as Mn	mg/l	0.13
28.	Iron as Fe	mg/l	0.12

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 Vogi
Puran Mal Vogi
Senior Analyst

Rajesh Maneswari
Rajesh Maneswari
Authorized Signatory
(Report No: WW/NABL/367)



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

Reason No	: WW/NABL/370
Job Identification	: 1973/16-17
Date	: 13/07/2017
Issued to	: M/s. Jindal Saw Limited Dhedwas Iron Ore Copper & Associated Minerals Mines , Arajai no. 9697/6711 Near Tiranga Hills Village - Pur Tehsil & District – Bhilwara – 311802
Type of Unit	: Mines
Type of Sample	: Waste Water
Collected by	: Parsha Ram Kudi
Date of Sample Collection	: 17/06/2017
Date of Received	: 19/06/2017
Date of Test	: 19/06/2017 to 13/07/2017
Point of Collection	: STP Water Reservoir

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	10
2.	pH	-	7.81
3.	Total Suspended Solids	mg/l	36
4.	Oil & Grease mg/l	mg/l	4
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	10.6
6.	Chemical Oxygen Demand	mg/l	34.7
7.	Dissolved Oxygen	mg/l	5.5
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	3.52
9.	Total Kjeldahal Nitrogen as N	mg/l	14.3
10.	Free Ammonia as NH ₃	mg/l	0.75
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	7.42
12.	Total Residual Chlorine	mg/l	BDL (<0.1)
13.	Fluoride	mg/l	1.35
14.	Total Dissolved Solid (TDS)	mg/l	1754
15.	Total Phosphate as PO ₄ -P	mg/l	3.70
16.	Sulphide as S	mg/l	0.48
17.	Phenolic Compound	mg/l	0.10
18.	Arsenic as As	mg/l	BDL (<0.01)
19.	Mercury as Hg	mg/l	BDL (<0.001)
20.	Lead as Pb	mg/l	0.05
21.	Cadmium as Cd	mg/l	BDL (< 0.01)
22.	Copper as Cu	mg/l	0.13
23.	Zinc as Zn	mg/l	0.38
24.	Selenium as Se	mg/l	BDL (<0.01)
25.	Nickel as Ni	mg/l	0.05
26.	Cyanide as CN	mg/l	BDL (<0.01)
27.	Manganese as Mn	mg/l	0.11
28.	Iron as Fe	mg/l	0.18

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 Jogi
Senior Analyst

Rajesh Mahesriwan
Authorized Signatory
(Report No: WW/NABL/370)



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/NABL/369
Job Identification	: 1962/17-18
Date	: 13/07/2017
Issued to	: M/s. Jindal Saw Limited Dhedwas Iron Ore Copper & Associated Minerals Mines , Arajai no. 9697/6711 Near Tiranga Hills Village - Pur Tehsil & District – Bhilwara – 311802
Type of Unit	: Mines
Type of Sample	: Waste Water
Collected by	: Mr. Parsha Ram Kudi
Date of Sample Collection	: 17/06/2017
Date of Received	: 19/06/2017
Date of Test	: 19/06/2017 to 13/07/2017
Point of Collection	: Siltation Pond

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	10
2.	pH	-	7.19
3.	Total Suspended Solids	mg/l	64
4.	Oil & Grease mg/l	mg/l	7
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	13.6
6.	Chemical Oxygen Demand	mg/l	74.2
7.	Dissolved Oxygen	mg/l	5.0
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	6.4
9.	Total Kjeldahal Nitrogen as N	mg/l	22.6
10.	Free Ammonia as NH ₃	mg/l	0.86
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	8.50
12.	Total Residual Chlorine	mg/l	BDL (< 0.1)
13.	Fluoride	mg/l	1.47
14.	Total Dissolved Solid (TDS)	mg/l	2130
15.	Total Phosphate as PO ₄ -P	mg/l	3.61
16.	Sulphide as S	mg/l	BDL (< 0.1)
17.	Phenolic Compound	mg/l	BDL (< 0.0001)
18.	Arsenic as As	mg/l	BDL (< 0.01)
19.	Mercury as Hg	mg/l	BDL (< 0.001)
20.	Lead as Pb	mg/l	0.04
21.	Cadmium as Cd	mg/l	BDL (< 0.001)
22.	Copper as Cu	mg/l	0.07
23.	Zinc as Zn	mg/l	0.26
24.	Selenium as Se	mg/l	BDL (< 0.01)
25.	Nickel as Ni	mg/l	0.07
26.	Cynide as CN	mg/l	BDL (< 0.01)
27.	Manganese as Mn	mg/l	0.13
28.	Iron as Fe	mg/l	0.17

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 Jogi
Puran Mal Jogi
Senior Analyst

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No: WW/NABL/369)



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/397
Job Identification. :	1924/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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 :	17-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Pur Village Near Balaji Temple

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	7.50	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]	475.03	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1658	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]	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]	370	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	40.91	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

(Handwritten Signature)



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]	0.72	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(<0.001)	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]	400	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]	0.40	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	410	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Purush Mal Yogi
Senior Analyst

K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/NABL/396)



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/397

Job Identification :

1924/17-18

Date :

11-07-2017

Issued To :

M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, 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 :

17-06-2017

Date of Sample Receipt :

19-06-2017

Date of Test :

19-06-2017 to 07-07-2017

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Pur Village Near Balaji Temple

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purah Mai Yogi
Purah Mai Yogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/397)



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/399
 Job Identification. : 1926/17-18
 Date : 11-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
 9967/6711, Near Tirnga 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 : 17-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 07-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Dariba Vill (Near Govt. Dispensary)

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	7.42	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	528	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]	165.31	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	982	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	139.2	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	43.74	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]	141.55	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	15.2	IS 3025 (Part 34) : 1988	45.00	-

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, 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]	0.84	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(<0.001)	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]	353	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]	0.44	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	348	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Purona
Purona Mal Yogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No. W/NABL/399)



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. :

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

Job Identification :
Date :
Issued To :

W/399
1926/17-18
11-07-2017
M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Tirnga Hills, Village : Pur Tehsil : Bhilwara
District : Bhilwara- 311802 (Rajasthan)

Type of Unit :
Type of Sample :
Date of Sample Collection/Monitoring :
Date of Sample Receipt :
Date of Test :
Sample Collected By :
Point of Collection :

Mines
Potable and Domestic Water
17-06-2017
19-06-2017
19-06-2017 to 07-07-2017
Parsa Ram Kudi
Dariba Vill (Near Govt. Dispensary)


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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.


Purnima Majhi
Senior Analyst


K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/399)



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/412
Job Identification.:	1970/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No. 9967/6711, Near Tirnga 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 :	12-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Kanoli Village

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	7.79	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	164	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]	20.9	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	314	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	38.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	16.52	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]	23.64	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	2.44	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Bayan



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]	0.71	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(<0.001)	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]	128	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)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA : 2012 : 3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 58) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	96	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Purani
Purani Mal Yog
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/412)



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.: W/412
Job Identification.: 1970/17-18
Date: 11-07-2017
Issued To: M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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: 12-06-2017
Date of Sample Receipt: 19-06-2017
Date of Test: 19-06-2017 to 07-07-2017
Sample Collected By: Parsa Ram Kudi
Point of Collection: Kanoli Village

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Puranga
Puranga Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: W/412)



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. : W/NABL/413
Job Identification : 1971/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Tirnga 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 : 12-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Ghandisagar(Park Tubewell)

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	7.18	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	520	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]	270.77	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1664	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]	26.73	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]	129.12	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	15.66	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.)

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 2369080, 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]	0.83	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(<0.001)	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]	480	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]	0.44	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	410	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Purushottam
Purushottam Yogi
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: W/NABL/413)



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.:	W/413
Job Identification.:	1971/17-18
Date:	11-07-2017
Issued To:	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No. 9967/6711, Near Tirnga 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:	12-06-2017
Date of Sample Receipt:	19-06-2017
Date of Test:	19-06-2017 to 07-07-2017
Sample Collected By:	Parsa Ram Kudi
Point of Collection:	Ghandisagar(Park Tubewell)

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purnan Maheshwari
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/413)



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-85, 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/398
Job Identification. :	1925/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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 :	17-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Samodi Village (Near Bheel Basti)

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	7.70	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	480	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]	106.41	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	807	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	144	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	29.16	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]	151.9	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	30.27	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

(Handwritten Signature)



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 : 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

RESULTS

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(<0.001)	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]	270	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]	0.40	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	360	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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

K.N. Mukhambadyay
Authorized Signatory
(Report No: W/NABL/396)



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. : W/398
Job Identification : 1925/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9967/6711, Near Timga 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 : 17-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Samodi Village (Near Bheel Basti)

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purandhar Majhi
Purandhar Majhi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/398)



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/395
Job Identification. : 1922/17-18
Date : 11-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9967/6711, Near Tirnga 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 : 17-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 07-07-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Dhulkhera village Near 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(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.23	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	568	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]	152.01	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1010	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	182.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	27.22	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]	91.55	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	43.07	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Healy



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]	0.84	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(<0.001)	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]	354	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]	0.43	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	456	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Pawan
Pawan Mahapatra
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: WNABL/395)



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, 2771855
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/395
Job Identification.:	1922/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj 9967/6711, Near Tinga 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 :	17-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Dhulkhera village Near 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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purong
Purong Mahayogi
Senior Analyst

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/395)



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/396
Job Identification. :	1923/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, 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 :	17-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Suras Village Palki Rani Temple

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	7.16	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	564	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]	193.81	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	916	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	184	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	46.66	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]	41.20	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	40.93	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

(Handwritten Signature)



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

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]	0.67	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(<0.001)	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]	275	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]	0.43	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	460	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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

K.N. Mukherphadyay
Authorized Signatory
(Report No: W/NABL/396)



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/UDII

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur-302001
Phone : 0141-2369980, 2771865
Website : www.teamtesthouse.com
Report No. :

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

W/396
1923/17-18
11-07-2017
M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9967/6711, Near Tirnga Hills, Village : Pur Tehsil : Bhilwara
District : Bhilwara- 311802 (Rajasthan)
Mines
Potable and Domestic Water
17-06-2017
19-06-2017
19-06-2017 to 07-07-2017
Parsa Ram Kudi
Suras Village Palki Rani Temple

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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

K.N. Mukhopadhyay
K.N. Mukhopadhyay
Authorized Signatory
(Report No: W/396)



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/411
 Job Identification.: 1938/17-18
 Date : 11-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9967/6711, Near Tirnga Hills, Village :Pur Tehsil : Bhilwara
 District : Bhilwara- 311802 (Rajasthan)

Type of Unit : Mines
 Type of Sample : Surface Water
 Date of Sample Collection/Monitoring : 13-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 07-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Samodi Pond

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	7.06	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	100	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]	19	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	193	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	28.8	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	6.8	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]	48.90	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	8.07	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Bajaj



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

Website : www.teamtesthouse.com

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]	0.40	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(<0.001)	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]	45	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]	0.34	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	11	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA : 2012 : 3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	72	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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 Kumar Shwan
Authorized Signatory
(Report No: W/NABL/411)



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/411	
Job Identification.:	1938/17-18	
Date:	11-07-2017	
Issued To:	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Timnga 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:	13-06-2017	
Date of Sample Receipt:	19-06-2017	
Date of Test:	19-06-2017 to 07-07-2017	
Sample Collected By:	Parsa Ram Kudi	
Point of Collection:	Samodi Pond	

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purush Mal Yogi
Purush Mal Yogi
Senior Analyst

Rajesh Mohan
Rajesh Mohan
Authorized Signatory
(Report No: W/411)



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/410
Job Identification. :	1937/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga Hills, Village : Pur Tehsil : Bhilwara District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Surface Water
Date of Sample Collection/Monitoring :	13-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Kothari River

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	7.72	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	164	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]	85.51	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	388	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	40	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	15.55	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]	9.34	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	1.97	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]	0.46	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(<0.001)	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]	147	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]	0.28	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	9	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	100	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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 Mani Yogi
Puran Mani Yogi
Senior Analyst

Rajendra Singh
Rajendra Singh
Authorized Signatory
(Report No: W/NABL/410)



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. :	W/410
Job Identification. :	1937/17-18
Date :	11-07-2017
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tirnga 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 :	13-06-2017
Date of Sample Receipt :	19-06-2017
Date of Test :	19-06-2017 to 07-07-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Kothari River

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Parsa Ram Kudi
Parsa Ram Kudi
Senior Analyst Yogi

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No: W/410)



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/409
 Job Identification. : 1936/17-18
 Date : 11-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
 9967/6711, Near Tirnga Hills, Village : Pur Tehsil : Bhilwara
 District : Bhilwara- 311802 (Rajasthan)

Type of Unit : Mines
 Type of Sample : Surface Water
 Date of Sample Collection/Monitoring : 13-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 07-07-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Meja Dam

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]	116	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]	28.5	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	233	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	27.2	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	11.66	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]	8.79	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	2.88	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Rajeev



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

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]	0.41	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(<0.001)	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]	109	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]	0.22	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1.0	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	68	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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.

Puram Mal Yogi
Puram Mal Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/409)



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/409	
Job Identification. :	1936/17-18	
Date :	11-07-2017	
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9967/6711, Near Tinga 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 :	13-06-2017	
Date of Sample Receipt :	19-06-2017	
Date of Test :	19-06-2017 to 07-07-2017	
Sample Collected By :	Parsa Ram Kudi	
Point of Collection :	Meja Dam	

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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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.

Purva Mal Vogi
Senior Analyst

Rajesh
Rajesh Maneshwan
Authorized Signatory
(Report No: W/409)



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/768
Job Identification. : 1910/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 09-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 30-06-2017
Sample Collected By : Parsa Ram Kudi
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 ³]	370	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	15.53	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	325.04	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	32.74	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.26	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	79.87	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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


Puran Maheshwar
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: A/768)



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/771
Job Identification. : 1913/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 10-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 30-06-2017
Sample Collected By : Parsa Ram Kudi
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 ³]	250	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	11.5	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	235.69	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	25.12	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.56	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	62.02	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Parag Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/771)



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/769
Job Identification. : 1911/17-18
Date : 04-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 10-06-2017
Date of Sample Receipt : 19-06-2017
Date of Test : 19-06-2017 to 30-06-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Dhulkhera Pit

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	350	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16.8	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	326.4	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	25.44	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.19	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	86.19	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Puran
Puran Maurya
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: A/769)



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/770
 Job Identification. : 1912/17-18
 Date : 04-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 12-06-2017
 Date of Sample Receipt : 19-06-2017
 Date of Test : 19-06-2017 to 30-06-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Suras Pit

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	280	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16.29	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	239.03	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	33.93	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.12	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	73.8	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Purang
 Purang Mal Yogi
 Senior Analyst

Rajesh
 Rajesh Maheshwar
 Authorized Signatory
 (Report No: A/770)



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/843
Job Identification. : 2648/17-18
Date : 13-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 28-06-2017
Date of Sample Receipt : 05-07-2017
Date of Test : 05-07-2017 to 13-07-2017
Sample Collected By : Satyendra Kumar Sharma
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 ³]	312	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	9.38	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	117.76	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	16.09	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	4.49	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	53.09	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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


Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/843)



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

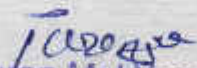
Report No. : A/844
Job Identification : 2649/17-18
Date : 13-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 28-06-2017
Date of Sample Receipt : 05-07-2017
Date of Test : 05-07-2017 to 13-07-2017
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Samodi Village Roof of Shri Ratan Lal Ahir

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	310	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	10.03	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	180.14	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	23.59	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.37	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m3]	65.8	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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


Puran Mal Yogi
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: A/844)



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/845
Job Identification : 2650/17-18
Date : 13-07-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-06-2017
Date of Sample Receipt : 05-07-2017
Date of Test : 05-07-2017 to 13-07-2017
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Near Dhulkhera Pit

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.25	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	216	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	28.30	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.74	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	77.61	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Purnima Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: A/845)



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

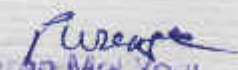
Report No. : A/846
 Job Identification : 2651/17-18
 Date : 13-07-2017
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 29-06-2017
 Date of Sample Receipt : 05-07-2017
 Date of Test : 05-07-2017 to 13-07-2017
 Sample Collected By : Satyendra Kumar Sharma
 Point of Collection : Suras Pit Near Dhaba

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	304	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	10.22	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	158.66	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	23.67	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	3.74	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	47.38	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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


 Pooja Mahajan
 Senior Analyst


 Rajesh Maheshwar
 Authorized Signatory
 (Report No: A/846)



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
Date Issued to

TEST REPORT

N/325
04/07/2017
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
(Rajasthan)

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

Type of Unit: Mines
Date of Monitoring: 09/06/2017 to 15/06/2017
Date of Sample Receipt: 19/06/2017
Date of Test: 19/06/2017
Sample Collected by: Parsha Ram Kuri
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.	Pur Village	Rural Area	54.2	43.4
2.	Samodi Village (Near Balaji Temple)	Rural Area	54.4	40.7
3.	Suras Village	Rural Area	52.5	42.1
4.	Gandhi Sagar park, Bhilwara	Rural Area	54.0	43.6
5.	Kanoli Village	Rural Area	48.6	38.5
6.	Dhulkhera Village	Rural Area	52.2	43.2
7.	Dariba Village	Rural Area	52.8	41.6

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 Meher Yogi
Puran Meher Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No.: - N/325)



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

N/326

Date 04/07/2017
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
(Rajasthan)
Type of Unit Mines
Date of Monitoring 09/06/2017 to 15/06/2017
Date of Sample Receipt 19/06/2017
Date of Test 19/06/2017
Sample Collected by Parsha Ram Kuri
Type of Monitoring Ambient Noise Monitoring

RESULTS

Sr. No.	Point Of Monitoring	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Nr. Raw Material Storage yard (Tiranga Pit)	70.3	61.3
2.	Dhulkhera mines Area (10.0 m of loading Point)	67.5	56.8
3	Suras Mines Area (10.0 m of loading Point)	66.4	58.2
4	Tiranga Mines Area (10.0 m of loading Point)	71.5	62.5
5	Nr. Central Store/ Tata Blue Shed	67.8	59.8
6	Nr. Crusher (CCR Building)	72.3	61.5
7	Filter Fresh Building	68.3	63.8
8	Nr. BFN CCR Building	67.4	60.2

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.

Purush Mal Yogi
Purush Mal Yogi
Senior Analyst

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No.: - N/326)