



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

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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521400002641	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Pur Village (74°32'27"N,25°18'01"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	310	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.17	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.51	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977, Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	271.09	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

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Rajesh [Signature]



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Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222059, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m3]	39.2	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m3]	3.75	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	73.51	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	5.7	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

Notes :-

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[Signature]

Senior Analyst

[Signature]
Authorized Signatory

(Report No: TC502521400002641)



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Website : www.teamtesthouse.com
Email : team.bfhead@gmail.com

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TEST REPORT

Report No./ULR No. :	400002641	Date :	02-01-2021
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 :	10-12-2020
Point of Collection :	Pur Village (74°32'27"N,25°18'01"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Purabhai Yogi

Senior Analyst

Rajesh Maheshwan

Authorized Signatory
(Report No: 400002641)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002640	Date :	02-01-2021
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 :	09-12-2020
Point of Collection :	Dariba Village (74°31'40"N,25°20'34"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	310	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.75	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	216.7	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

Continue to next page...

Rajesh Mehta



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222839, 9460222849,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m3]	29.81	CPCB Guidelines:	60.00
8	Sulphur Dioxide [microgram/m3]	2.56	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	76.23	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	7.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Senior Analyst


Authorized Signatory
(Report No: TC502521400002640)



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Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	400002640	Date :	02-01-2021
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 :	09-12-2020
Point of Collection :	Dariba Village (74°31'40"N,25°20'34"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Rajesh Kumar

Senior Analyst

Rajesh Kumar

Authorized Signatory
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C-Scheme, Jaipur - 302001, Rajasthan
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Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521400002642	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Kanoli Village (74°35'58"N,25°16'15"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m ³]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m ³]	250	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m ³]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.11	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m ³]	BDL(<20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m ³]	181.62	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

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Rajasthan Bhilwara



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m ³]	21.36	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m ³]	2.49	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m ³]	61.48	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m ³]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m ³]	1.3	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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P. Parag Yogi

Senior Analyst

Rajesh Garg

Authorized Signatory

(Report No: TC502521400002642)



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Email : team.bdhead@gmail.com

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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400002642	Date :	02-01-2021
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 :	10-12-2020
Point of Collection :	Kanoli Village (74°35'58"N,25°16'15"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009.
1	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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Purushottam Singh
Senior Analyst

Senior Analyst

Rajesh Maneswar
Authorized Signatory
(Report No: 400002642)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521400002644	Date :	02-01-2021
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 :	09-12-2020
Point of Collection :	Gandhisagar Sagar Park (74°38'56"N,25°20'11"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	15.16	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	191.6	IS 5182 (Part 4) : 1999 RA 2019	500

Note:

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Rajesh K. Rajiwari



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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m3]	29.07	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m3]	4.58	IS 5182 (Part 2) : 2001 RA 2017.	80.00
9	Particulate Matter (PM 10) [microgram/m3]	62.73	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	5.9	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Purush Mal Yogi
[Signature]

Senior Analyst

Rajesh Kumar
[Signature]

Authorized Signatory

(Report No: TC502521400002644)



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Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Gandhisagar Sagar Park (74°38'56"N,25°20'11"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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P. Rameshwar

Senior Analyst

Rajesh Anandswari

Authorized Signatory
(Report No: 400002644)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	TC502521400002643	Date :	02-01-2021
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 :	11-12-2020
Point of Collection :	Lack View Lawn	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	250	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.08	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977, Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	200.5	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

Continue to next page...

Rajesh Arora



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222059, 9460222049,
Email : director@teamtesthouse.com,
marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM _{2.5}) [microgram/m ³]	22.91	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m ³]	3.62	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM ₁₀) [microgram/m ³]	63.82	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m ³]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m ³]	3.7	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Senior Analyst


Authorized Signatory
(Report No: TC502521400002643)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdbead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	400002643	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Lack View Lawn	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Puran Mal Yogi

Senior Analyst

Rajesh Kumar

Authorized Signatory

(Report No: 400002643)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002645	Date :	02-01-2021
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 :	11-12-2020
Point of Collection :	Mines Workshop (74°31'55"N,25°18'52"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr. Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m ³]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m ³]	240	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m ³]	0.09	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	10.17	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m ³]	BDL(<20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m ³]	193.79	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

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Rajesh Maheshwan



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Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM _{2.5}) [microgram/m ³]	28.94	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m ³]	4.16	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM ₁₀) [microgram/m ³]	67.99	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m ³]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m ³]	5.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Senior Analyst

Authorized Signatory

(Report No: TC502521400002645)



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400002645	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Mines Workshop (74°31'55"N,25°18'52"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Puranjit Yogi

Senior Analyst

Rajesh Chhawan
Authorized Signatory
(Report No: 400002645)



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.hdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521400002636	Date :	01-01-2021
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 :	11-12-2020
Point of Collection :	Tiranga Pit [74°32'20" N 25°19'31"E]	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	12.41	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977, Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	181.04	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

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Rajesh Maheshwan



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM _{2.5}) [microgram/m ³]	33.23	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m ³]	4.34	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM ₁₀) [microgram/m ³]	74.24	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m ³]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m ³]	4	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Purani Mal Yogi
Hoopa

Senior Analyst

Rajesh Maheshwari

Authorized Signatory

(Report No: TC502521400002636)



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400002636	Date :	01-01-2021
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 :	11-12-2020
Point of Collection :	Tiranga Pit [74°32'20" N 25°19'31"E]	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Purni Mal Yogi
Purni Mal Yogi

Senior Analyst

Rajesh Bishwan
Rajesh Bishwan

Authorized Signatory
(Report No: 400002636)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002639	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/8711, 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 :	09-12-2020
Point of Collection :	Samodi Village (74°32'57"N,25°20'53"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	260	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.14	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.97	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	164.85	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m3]	26.6	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m3]	3.41	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	74.67	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	3.3	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Purushotam Yogi

Senior Analyst

Rajesh Maheshwan

Authorized Signatory

(Report No: TC502521400002639)



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400002639	Date :	02-01-2021
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 :	09-12-2020
Point of Collection :	Samodi Village (74°32'57"N,25°20'53"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Puran Mal Yogi
Signature

Senior Analyst

Rajesh Maneshwar
Signature

Authorized Signatory

(Report No: 400002639)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002637	Date :	01-01-2021
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 :	10-12-2020
Point of Collection :	Dhulkhera Pit (74°34'26"N, 25°23'32"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
	Carbon Monoxide [microgram/m3]	370	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.43	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20)	APHA 1977, Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	328.97	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

Continue to next page...

Rajesh K. Jaiswal



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m3]	37.02	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m3]	5.02	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	80.25	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	6.7	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Purvi Mal Yogi
Purvi Mal Yogi

Senior Analyst

Rajeshwari
Rajeshwari

Authorized Signatory

(Report No: TC502521400002637)



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Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	400002637	Date :	01-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Dhulkhera Pit (74°34'26"N, 25°23'32"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr. Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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Durga Prasad Yodh

Senior Analyst

Rajesh Gopalshwan

Authorized Signatory
(Report No: 400002637)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHC Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521400002638	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Suras Pit (74°34'11"N,25°23'24"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m ³]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m ³]	430	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m ³]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.29	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m ³]	BDL(<20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m ³]	273.12	IS 5182 (Part 4) : 1999 RA 2019	-

Note:

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Rajesh Chhastwan
Prof



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Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Particulate Matter (PM2.5) [microgram/m3]	27.12	CPCB Guidelines	60.00
8	Sulphur Dioxide [microgram/m3]	4.69	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	77.06	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	6	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Purvi Mani Tuli

Senior Analyst

Rajesh G. Jheshwan

Authorized Signatory

(Report No: TC502521400002638)



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049.
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No.:	400002638	Date :	02-01-2021
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 :	11-12-2020
Point of Collection :	Suras Pit (74°34'11"N, 25°23'24"E)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 400002638)



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Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400000009	Date :	05-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hillis Village : Pur Tehsil Bhiwara, District-Bhiwara-311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	30-12-2020
Point of Collection :	Near Tiranga Pit (74°32'18"N 25°19'32"E)	Date of Receipt :	02-01-2021
Date of Test/Analysis :	02-01-2021 to 05-01-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.7	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	292.18	IS 5182 (Part 4) : 1999 RA 2019	-
4	Particulate Matter (PM2.5) [microgram/m3]	34.8	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.92	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	82.74	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst

Authorized Signatory

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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400000012	Date :	05-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	31-12-2020
Point of Collection :	Samodi Village (74°32'57" N 25°20'53"E)	Date of Receipt :	02-01-2021
Date of Test/Analysis :	02-01-2021 to 05-01-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

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 RA 2019	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16.88	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	281.56	IS 5182 (Part 4) : 1999 RA 2019	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	38.3	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	5.25	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	82.74	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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R. Singh

Senior Analyst

Raj

Authorized Signatory

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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400000010	Date :	05-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	30-12-2020
Point of Collection :	Dhulkhera Pit [74°34'26"N 25°23'32"E]	Date of Receipt :	02-01-2021
Date of Test/Analysis :	02-01-2021 to 05-01-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

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 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.81	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	249.61	IS 5182 (Part 4) : 1999 RA 2019	-
4	Particulate Matter (PM2.5) [microgram/m3]	41.24	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	3.74	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	80.9	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Raj

Senior Analyst

Raj

Authorized Signatory

(Report No: TC502521400000010)



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Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : GI-584, RIICO Industrial Area,
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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC50252140000011	Date :	05-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	31-12-2020
Point of Collection :	Suras Pit (74°34'10"N,25°23'25"E)	Date of Receipt :	02-01-2021
Date of Test/Analysis :	02-01-2021 to 05-01-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	320	IS 5182 (Part 10) : 1999 RA 2019	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.42	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	195.77	IS 5182 (Part 4) : 1999 RA 2019	-
4	Particulate Matter (PM2.5) [microgram/m3]	45.09	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.68	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	86.54	IS 5182 (Part 23)-2006 RA 2017	100.00

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P. Anand

Senior Analyst

P. Anand

Authorized Signatory

(Report No: TC50252140000011)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
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Laboratory : G1-584, RIICO Industrial Area,
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Phone : +91 9460222039, 9460222049,
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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TTH/JSLD/2020-21/21	Date :	02.01.2021
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 :	Stack Emission Level	Date of Sample Collection/Monitoring :	11.12.2020
Point of Collection :	DG Set 1010 KVA	Date of Receipt :	14.12.2020
Date of Test/Analysis :	14.12.2020 to 02.01.2021	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [mg/Nm ³]	27.9	IS 11255 (Part 1):1985 Reaffirmed 2014	75
2	Sulphur Dioxide [mg/Nm ³]	BDL(< 2.0)	IS 11255(Part 2) :1985 Reaffirmed 2014	-
3	Oxides of Nitrogen [mg/Nm ³]	294	IS 11255 (Part 7) :1985 Redffirmed 2012	710 ppmv
4	Carbon monoxide [mg/Nm ³]	112	IS 5182 (Part 10) : 1999 RA 2019	150
5	Hydrocarbon [mg/Nm ³]	28	IS 5182 (Part 21) : 2001 RA 2017	100

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Sunil Kumar
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TTH/JSLD/2020-21/21)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001521	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Pur Village (74°32'27"N,25°18'11"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA. 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	8.07	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	128	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	35.48	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Revised - 10/1/2021



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	225	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	46.4	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	2.92	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	20.44	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	4.17	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.39	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.07	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	88.32	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	BDL (<0.2)	IS 13428 (Annexure H)	0.5	1.0
24	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Mineral oil [mg/l]	BDL (<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-
28	Cyanide [mg/l]	BDL (<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-

Note:

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Rajesh Maheshwari



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Calcium Hardness [mg/l]	116	IS 3025 (Part 40) : 1991 RA 2019	-	-
30	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	-
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coll [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: TC502521100001521)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001521	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Pur Village (74°32'27"N,25°18'11"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

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Pu- Rishabh Yadav
Senior Analyst

Rishabh
Authorized Signatory
(Report No: 100001521)



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : GI-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	TC502521100001525	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Dariba Village [74°31'59"N 25°20'48"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.08	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	580	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	157.68	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414677379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	1012	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	180	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	31.59	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	164.44	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	13.47	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.28	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.17	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	374.4	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.35	IS 13428 (Annexure H)	0.5	1.0
24	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-

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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketingfab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Calcium Hardness [mg/l]	450	IS 3025 (Part 40) : 1991 RA 2019	-	-
30	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	-
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111-B	0.01	-

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Pooja Jogi
Senior Analyst

Kajal Singh
Authorized Signatory
(Report No: TC502521100001525)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001525	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Dariba Village [74°31'59"N 25°20'48"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA-2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

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P. R. Singh

Senior Analyst

Rajesh Kumar
Authorized Signatory

(Report No: 100001525)



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Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	TC502521100001524	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Kanoli Village (74°36'11"N,25°16'12"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.54	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	196	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	35.48	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

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Office : E-65, Chitrangan Marg,
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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	305	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	51.2	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	16.52	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	27.11	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	15.83	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.76	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.04	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	96	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	BDL (<0.2)	IS 13428 (Annexure H)	0.5	1.0
24	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Mineral oil [mg/l]	BDL (<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-
28	Cyanide [mg/l]	BDL (<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-

Note:

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Rajesh K. Shrivastava



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Office : E-65, Chitranjan Marg,
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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Calcium Hardness [mg/l]	128	IS 3025 (Part 40) : 1991 RA 2019	-	-
30	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	-
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Murali Yogi
Senior Analyst

Rajesh Rajeshwar
Authorized Signatory
(Report No: TC502521100001524)



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Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001524	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Kanoli Village (74°36'11"N,25°16'12"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA-2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

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Pujan Mal Yogi
Signature

Senior Analyst

Kajal Gaj...
Signature

Authorized Signatory
(Report No. 100001524)



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C-Scheme, Jaipur - 302001, Rajasthan
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Email : team.bdhead@gmail.com

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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001523	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Gandhisagar village	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part.1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.13	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	520	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	349.86	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	1720	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	116	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	55.89	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	186.66	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	40.08	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.31	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	537.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.31	IS 13428 (Annexure H)	0.5	1.0
24	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.05	-
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Phenolic Compound [mg/l]	BDL (<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.005	-
28	Mineral oil [mg/l]	BDL (<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-

Note:

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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	290	IS 3025 (Part 40) : 1991 RA 2019	-	-
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.01	-

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Senior Analyst

Authorized Signatory
(Report No: TC502521100001523)



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Website : www.teamtesthouse.com
Email : team.hdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049.
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001523	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Gandhisagar village	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA-2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

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Senior Analyst


Rajesh Maneswari
Authorized Signatory
(Report No: 100001523)



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001522	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Samodi Village (74°32'58"N,25°20'56"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.08	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	128.12	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Rajesh Chandra
Rajesh Chandra



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	962	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	124	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	53.46	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	148.88	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	38.42	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.96	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	249.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)	0.5	1.0
24	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Phenolic Compound [mg/l]	BDL (<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.005	-
28	Mineral oil [mg/l]	BDL (<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-

Note:

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Raj. Govt. Engineer



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	310	IS 3025 (Part 40) : 1991 RA 2019	-	-
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.01	-

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Senior Analyst


Authorized Signatory

(Report No: TC502521100001522)



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Email : team.bdhead@gmail.com

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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001522	Date :	02-01-2021
issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas-Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Samodi Village (74°32'58"N,25°20'56"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA : 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
✓	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

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Pooja
Senior Analyst

Rajesh Tiwari
Authorized Signatory
(Report No: 100001522)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
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Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001520	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Suras Village [74°33'40" N 25°23'16"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	6.84	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	570	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	0.09	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	177.39	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Signature



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	1261	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	140	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	53.46	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	0.02	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	84.44	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	28.72	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.88	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.28	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	345.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.26	IS 13428 (Annexure H)	0.5	1.0
24	Total Chromium [mg/l]	BDL(<0.01)	APHA -2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-

Note:

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Rajasthan P. Chaudhary



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Office : E-65, Chitranjan Marg,
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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Calcium Hardness [mg/l]	350	IS 3025 (Part 40) : 1991 RA 2019	-	-
30	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	-
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Senior Analyst


Authorized Signatory

(Report No: TC502521100001520)



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001520	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Suras Village [74°33'40" N 25°23'16"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA. 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

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Puran Maji Yogi
(Signature)

Senior Analyst

Rajeshwar
(Signature)

Authorized Signatory
(Report No: 100001520)



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049.
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001519	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Dhulkhera Village (74°35'31"N,25°23'59"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	6.96	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	470	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	0.06	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	142.9	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Rajest 11 Gajhwan



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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	929	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	136	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	31.59	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	73.33	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	35.96	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.96	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	0.05
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.13	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	345.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.28	IS 13428 (Annexure H)	0.5	1.0
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111-B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
26	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	0.5	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-

Note:

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Kajasi Shrestha



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Calcium Hardness [mg/l]	340	IS 3025 (Part 40) : 1991 RA 2019	-	-
30	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	-
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100ml Sample	-
33	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100ml Sample	-
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.01	-

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Purvi Anand Yogi

Senior Analyst

Rajesh Kumar Mishra

Authorized Signatory

(Report No: TC502521100001519)



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001519	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Dhukhera Village (74°35'31"N,25°23'59"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 01-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA-2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

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Pujan Kishor Yogi
Signature

Senior Analyst

Rajesh Kumar
Signature

Authorized Signatory
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 Phone : +91 6377210064, 9414077379,
 Website : www.teamtesthouse.com
 Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
 Sitapura, Jaipur - 302022, Rajasthan
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 Email : director@teamtesthouse.com,
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TEST REPORT

Report No./ULR No. :	TC502521100001534	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	<i>BEF Plant - Ground Water</i>	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.04	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	500	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	364.64	IS 3025 (Part 32) : 1988 RA 2019

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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	1430	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	124	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	46.17	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	253.3	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	9.68	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.93	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	249.6	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.25	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	19	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

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Rajesh Maheshwari



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 Website : www.teamtesthouse.com
 Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
 Sitapura, Jaipur - 302022, Rajasthan
 Phone : +91 9460222039, 9460222049,
 Email : director@teamtesthouse.com,
 Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	290	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal Yogi

Senior Analyst

Rajesh Maheshwan
 Authorized Signatory

(Report No: TC502521100001534)



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

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RSPCB **ISO 9001:2015** **OHSAS 18001:2007** **JDA/UDH**

Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001534	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Mines Water	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B
2	Pesticides [mg/l]	Not detected	APHA : 2017

Notes :-

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Puran Mal Yogi

Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: 100001534)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : 100001507
Date : 27.01.2021
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 & District Bhilwara - 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Water Level Measurement
Date of Measurement : 10.12.2020
Date of Receipt : 15.12.2020
Water Level Measured By : Vimal Kumar Yadav

RESULTS

S.No	Location	Water Level in Meters BGL
1	Peizometer No.1	11.87
2	Peizometer No.2	9.24
3	Peizometer No.3	6.38
4	Peizometer No.4	3.79
5	Peizometer No.5	3.07
6	Peizometer No.6	8.94
7.	Peizometer No.7	7.22
8.	Peizometer No.8	6.83

Note: -

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Purnan Mah Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No:100001507)



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Office : E-65, Chitrangun Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 0414077379,
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : CI-584, BICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222040,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No. : 100001526
Date : 04-01-2021
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 Bhiwara
District-Bhiwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 12-12-2020
Date of Sample Receipt : 15-12-2020
Date of Test : 15-12-2020 to 04-01-2021
Sample Collected By : Vimel Kumar Yadav
Point of Collection : Piezo well No.1[74°32'20" 25°19'07"]

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	8.08	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	540	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron [mg/l]	0.10	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	182.99	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1322	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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Office : E-65, Chitranjan Marg,
C Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bilhead@gmail.com

Laboratory : G1-584, IIICD Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@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
10	Calcium [mg/l]	140	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	97.20	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	166.40	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	30.19	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	0.95	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.25	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	260	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.30	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA 2017 :3111- B	0.05	-

Note:

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Office : F-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-564, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	1.0
28	seleium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	350	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes -

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- # Parameters No. 35 & 36 are not in NABL Scope.

Purn Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No. 100001526)



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6372210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.td@rediffmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222019, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

TEST REPORT

Report No. : 100001527
Date : 04-01-2021
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajli No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhiwara
District-Bhiwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 11-12-2020
Date of Sample Receipt : 15-12-2020
Date of Test : 15-12-2020 to 04-01-2021
Sample Collected By : Vimal Kumar Yadav
Point of Collection : Piezometer Well No. 2 (plant gate no.6)
(74°32'50"N 25°20'04"E)

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity (NTU)	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.72	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) (mg/l)	410	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron (mg/l)	0.03	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride (mg/l)	123.40	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids (mg/l)	893	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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JDA/UDH

Office : T-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tdhradi@gmail.com

Laboratory : G1-584, HICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222030, 9460222040,
Email : director@teamtesthouse.com,
Email : marketinglab@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	330	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1990 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes:-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- # Parameters No. 36 & 37 are not in NABL Scope.

Purnima Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 100001527)



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, BHD Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222030, 9460222040,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

TEST REPORT

Report No. : 100001528
Date : 04-01-2021
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 Bhiwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-12-2020
Date of Sample Receipt : 15-12-2020
Date of Test : 15-12-2020 to 04-01-2021
Sample Collected By : Vimal Kumar Yadav
Point of Collection : Piezometer Well No. 3
(74°33'50"N25°23'32"E)

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.51	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	500	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron [mg/l]	0.07	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	83.77	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	896	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

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JVA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tdheadia@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@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
10	Calcium [mg/l]	140	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	36.45	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	88.60	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	35.72	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	1.22	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.29	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	364	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5687 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-

Note:

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JDA/UDH

Office : F-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9377210904, 9414077379,
Website : www.teamtethouse.com
Email : team.tethouse@gmail.com

Laboratory : C1-584, HICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222030, 9460222049,
Email : director@teamtethouse.com,
Email : marketinglab@teamtethouse.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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	-
28	Selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	350	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- # Parameters No. 36 & 37 are not in NABL Scope


Purnima Maheshwari
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100001528)



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

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JDA/UDH

Office : E-65, Chittaranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tdhrad@gmail.com

Laboratory : GI-584, MICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : directoria@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No. : 100001529
Date : 04-01-2021
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 Bhiwara
District-Bhiwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-12-2020
Date of Sample Receipt : 15-12-2020
Date of Test : 15-12-2020 to 04-01-2021
Sample Collected By : Vimal Kumar Yadav
Point of Collection : Piezometer Well No. 4
(74°34'18"N25°23'18"E)

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.79	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	490	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron [mg/l]	0.05	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	277	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1728	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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Office : E-65, Chitrangut Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9460222040, 9414077279,
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222040, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@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
10	Calcium [mg/l]	120	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	46.17	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	328	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	14.72	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	0.98	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.18	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	230	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.33	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-

Note:

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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 0414072379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	-
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1982 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	300	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- # Parameters No. 06 & 07 are not in NABL Scope.

Puran Khat Yogi
Senior Analyst

Rajesh Manohwar
Authorized Signatory
(Report No 10001529)



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

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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91-6377210064, 9414077179,
Website : www.teamtesthouse.com
Email : team.billhead@gmail.com

Laboratory : G1-SB4, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91-9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

TEST REPORT

Report No. : 100001530
 Date : 04-01-2021
 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 Bhiwara
 District-Bhiwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 10-12-2020
 Date of Sample Receipt : 15-12-2020
 Date of Test : 15-12-2020 to 04-01-2021
 Sample Collected By : Vimal Kumar Yadav
 Piezometer Well No. 5 [74°35'06"
 25°24'40"]
 Point of Collection :

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.31	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	440	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron [mg/l]	0.13	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	226.67	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1435	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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Office : E-65, Chitrangid Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9460222030, 9460222049,
Website : www.teamtesthouse.com
Email : team.tlthvada@gmail.com

Laboratory : GI-594, RHC O Industrial Area,
Sikarpur, Jaipur - 302022, Rajasthan
Phone : +91 9460222030, 9460222049,
Email : director@teamtesthouse.com,
marketinglab@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
10	Calcium [mg/l]	96	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	48.6	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	218	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	16.89	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	1.22	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.18	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	370	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.31	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-

Note:

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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9377210004, 9414077379,
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1988 RA 2014	0.2	-
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1988 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	240	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 5440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes -

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- # Parameters No. 30 & 37 are not in NABL Scope.

Purnan Mal Yogi
Senior Analyst

Rajesh Maheeswaran
Authorized Signatory
(Report No: 100001530)



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JDA/UDH

Office : E-05, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6277210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-S94, HICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Marketing@teamtesthouse.com

TEST REPORT

Report No. : 10001531
 Date : 04-01-2021
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 10-12-2020
 Date of Sample Receipt : 15-12-2020
 Date of Test : 15-12-2020 to 04-01-2021
 Sample Collected By : Parsaram Kudi
 Point of Collection : Piezometer Well No. 6 (Dhulkhera mine)
 [74°34'56"N 25°24'05"E]

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.86	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	570	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron [mg/l]	0.11	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	236.90	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1678	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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JDA/UDH

Office : E-85, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdheadia@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@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
10	Calcium [mg/l]	124	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	63.18	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	240.29	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	35.90	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	1.20	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.20	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	340	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.30	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-

Note:

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JDA/UDH

Office : E-05, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9377210064, 9414077170,
Website : www.teamtesthouse.com
Email : team.tdhead@icmail.com

Laboratory : G1-584, BICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	-
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	310	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes -

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- Parameters No. 36 & 37 are not in NABL Scope.


Puran Mal Yogi
Senior Analyst


Rajesh Malhotra
Authorized Signatory
(Report No: 100001531)



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

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tdhdia@gmail.com

Laboratory : G1-884, BEICO Industrial Area,
Sitapura, Jaipur - 303022, Rajasthan
Phone : +91 9460222039, 9460222040,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : 100001532
 Date : 04-01-2021
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
 9697/6711, Near Tiranga Hills Village - Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 10-12-2020
 Date of Sample Receipt : 15-12-2020
 Date of Test : 15-12-2020 to 04-01-2021
 Sample Collected By : Vimal Kumar Yadav
 Point of Collection : Piezometer Well No. 7
 [74°34'31" N 25°23'34" E]

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.24	IS 3025 (Part 11) : 1984 RA 2017	8.50 - 8.50	-
6	Hardness (total) [mg/l]	490	IS 3025 (Part 21) : 1983 RA-2014	200.00	600.00
7	Iron [mg/l]	0.13	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	113.65	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1024	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9460222030, 9460222040,
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222030, 9460222040,
Email : director@teamtesthouse.com,
Marketing@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
10	Calcium [mg/l]	136	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	36.63	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	0.01	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	166.42	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	37.25	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	1.21	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.17	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	510	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.30	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-

Note:

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Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 0414077379,
Website : www.teamtesthouse.com
Email : team.tdheadia@gmail.com

Laboratory : C-1-584, HICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	-
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	340	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 - 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes >

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- x The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- † Parameters No. 36 & 37 are not in NABL Scope.

Purnima Yogi
Senior Analyst

Rajesh Maneshwar
Authorized Signatory
(Report No: 100001532)



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9377210064, 9414077279,
Website : www.teamtesthouse.com
Email : team.bhivadi@gmail.com

Laboratory : GJ-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Job Identification : 100001533
Date : 04-01-2021
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-12-2020
Date of Sample Receipt : 15-12-2020
Date of Test : 15-12-2020 to 04-01-2021
Sample Collected By : Vimal Kumar Yadav
Point of Collection : Piezometer Well No. 8
[74°34'42" N 25°23'42" E]

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 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983 RA 2017	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.95	IS 3025 (Part 11) : 1984 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	420	IS 3025 (Part 21) : 1983 RA 2014	200.00	600.00
7	Iron [mg/l]	0.13	IS 3025 (Part 53) : 2003 RA 2014	0.3	-
8	Chloride [mg/l]	98.55	IS 3025 (Part 32) : 1988 RA 2014	250.00	1000.00
9	Total Dissolved Solids [mg/l]	769	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, HUDA Industrial Area,
Sirapora, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@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
10	Calcium [mg/l]	88	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	48.60	IS 3025 (Part 40) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	120	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	17.86	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	0.76	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.15	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	280	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	Shall not be detectable in 100 ml sample	-
26	Total Chromium [mg/l]	BDL(<0.01)	APHA 2017 :3111- B	0.05	-

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Office : E-65, Chitrangam Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379
Website : www.teamtesthouse.com
Email : team.tdheada@gmail.com

Laboratory : GI-584, RDCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049
Email : director@teamtesthouse.com,
marketinglab@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
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	-
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003 RA 2014	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2014	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-
31	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
32	Calcium Hardness [mg/l]	220	IS 3025 (Part 40) : 1991 RA 2014	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Mineral Oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1999 RA 2014	0.5	-
35	Polyuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 6440 B	0.0001	-
36	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-

Notes :-

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- The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
- Parameters No. 36 & 37 are not in NABL Scope

Puran Mal
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwar
Rajesh Maheshwar
Authorized Signatory
(Report No. 100001533)



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



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JDA/UDH

Office : E-05, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bhilwara@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001539	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village - Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring	10-12-2020
Point of Collection	Meja Dam [74°32'19" N 25°23'29"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA: 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanishu Pandey	Condition of Sample	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	8.31	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	160	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	88.7	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Rajesh Kumar



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdtest@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222040,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	347	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	32	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	19.44	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	30.22	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	6.59	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.38	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	110	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.60	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	23	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA 2017 3111- B
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL (<0.5)	IS 3025 (Part 39) : 1991 RA 2019

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Rajesh Maheshwari



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.Indhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	80	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coll [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

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P. K. Singh
Senior Analyst

Senior Analyst

Rajesh Maheshwari
Authorized Signatory

Authorized Signatory

(Report No: TC502521100001539)



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

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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9417219964, 9414077379,
Website : www.teamtesthouse.com
Email : team.hdhead@gmail.com

Laboratory : G-1-584, RTIC Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222038, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001539	Date :	08-01-2021
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-Bhitwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water:	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Meja Dam	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1997(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected by :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B
2	Pesticides [mg/l]	Not detected	APHA : 2017

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Prithvi Ranjan Yadav
Senior Analyst

Rajesh Kumar
Authorized Signatory
(Report No: 100001539)



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JDA/UDIL

Office : E-05, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077579,
Website : www.teamtesthouse.com
Email : team.bhilwara@gmail.com

Laboratory : G1-554, RHC Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001538	Date :	08-01-2021
Issued To :	M/S Jirdal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village - Pur Tehsil Bhilwara, District-Bhilwara-311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2020
Point of Collection :	Kothari River [74°33'17" N 25°23'47"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	Turbidity (NTU)	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.23	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	270	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	137.97	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Rajesh Kumar Mishra



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Office : F-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	536	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	60	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	29.16	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	17.77	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	5.89	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.30	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	170	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.25	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	20	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019

Note:

Continue to next page...

Rajesh (Rajeshwar)



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JDA/UDH

Office : E-85, Chitrangan Marg,
C-Scheme, Jaipur - 302004, Rajasthan
Phone : +91 9377230064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral oil [mg/l]	BDL (<0.5)	IS-3025 (Part 39) : 1991 RA-2019
30	Cyanide [mg/l]	BDL (<0.01)	IS 3025 (Part 27) : 1986 RA-2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL (<0.1)	IS-13428 (Annexure K)
32	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA-2018
33	E. Coll [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA-2018
34	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

Notes

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Rajesh
Senior Analyst

Rajesh
Authorized Signatory
(Report No: TC502521100001538)



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 0414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHC O Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222639, 9460222649,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	100001538	Date :	08-01-2021
Issued To :	MS Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village, Pur Tehsil Bhiwara, District-Bhiwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Kothar River	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B
2	Pesticides [mg/l]	Not detected	APHA : 2017

Notes -

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Purnanil Yogi

Senior Analyst

Rajshree Kishore

Authorized Signatory

(Report No: 100001538)



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6277310064, 9414977379,
Website : www.teamtesthouse.com
Email : team.bdhvad@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001540	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village, Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	09-12-2020
Point of Collection :	Samodi Pond (74°32'50"N,25°20'41"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA, 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color (Hazen)	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	Turbidity (NTU)	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.07	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	168	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	39.42	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Office : E-65, Chittaranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077179
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, BICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222019, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral oil [mg/l]	BDL (<0.5)	IS 3025 (Part 39) : 1991 RA 2019
30	Cyanide [mg/l]	BDL (<0.01)	IS 3025 (Part 27) : 1986 RA 2019
31	Calcium Hardness [mg/l]	136	IS 3025 (Part 40) : 1991 RA 2019
32	Anionic Surface Detergents as MBA's [mg/l]	BDL (<0.1)	IS 13428 (Annexure K)
33	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
34	Phenolic Compound [mg/l]	BDL (<0.001)	IS 3025 (Part 43) : 1992 RA 2019
35	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
36	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
37	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

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[Handwritten Signature]

Senior Analyst

[Handwritten Signature]

Authorized Signatory

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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bhelhead@gmail.com

Laboratory : G1-504, JICA Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./LLR No. :	100001540	Date :	08-01-2021
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 Bhiwara, District-Bhiwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Samodi Pond	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS. 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 : 6440 B
2	Pesticides [mg/l]	Not detected	APHA : 2017

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 100001540)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521200001436	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Tailing Filter press	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 05-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	1400	APHA 2017 : 2540 C	-
2	Total Suspended Solids [mg/l]	5	APHA 2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	0.57	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	1.4	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	9.02	APHA:2017 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA 2017 : 4500- CN D	0.2
7	Dissolved Oxygen [mg/l]	6.3	APHA 2017 : 4500- O C	-
8	Fluoride [mg/l]	0.93	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	110.94	APHA 2017 : 4500-NO3- B	10
10	pH	7.65	APHA:2017 : 4500 H+B	5.5 - 9.0

Note:

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Rajasthan



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
11	Phosphate (total) as P [mg/l]	BDL(<0.1)	APHA 2017 : 4500-P C	5
12	Sulphide as S [mg/l]	BDL(<0.1)	APHA. 2017 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	2.86	APHA 2017 : 4500-Norg B	100
14	Arsenic [mg/l]	BDL (<0.001)	APHA :2017 :3114 B	0.2
15	Cadmium [mg/l]	0.01	APHA :2017 :3111- B	2.0
16	Chromium Total [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
17	Copper [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
18	Iron [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
19	Lead [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.1
20	Manganese [mg/l]	0.44	APHA :2017 :3111- B	2.0
21	Mercury [mg/l]	BDL (<0.001)	APHA 2017 : 3112 B	0.01
22	Nickel [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
23	Zinc [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	5.0
24	Oil & Grease [mg/l]	Less than 1	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	BDL(<0.001)	APHA 2017 : 5530 C	1.0
26	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-Cl B	1.0
27	Free ammonia as N [mg/l]	BDL(<0.1)	APHA 2017 : 4500-NH3 C	0.5

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Pulkit Yogi

Senior Analyst

[Signature]

Authorized Signatory

(Report No: TC502521200001436)



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JDA/UDH

Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	200001436	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample.	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Tailing Filter press	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 05-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3114 B	0.05
2	color [Hazen]	10	APHA 2017:5210-B	-

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Purajit Yadav

Senior Analyst

Vimal Kumar Yadav

Authorized Signatory

(Report No: 200001436)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521200001437	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No, 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Tailing Pond (74°32'18"N,25°19'19"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 05-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	1256	APHA 2017 : 2540 C	-
2	Total Suspended Solids [mg/l]	6	APHA:2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	0.58	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	4.5	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	12.03	APHA:2017 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA 2017 : 4500- CN D	0.2
7	Dissolved Oxygen [mg/l]	6.2	APHA 2017 : 4500- O C	-
8	Fluoride [mg/l]	0.86	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	7.82	APHA 2017 : 4500-NO3- B	10
10	pH	7.75	APHA:2017 : 4500 H+B	5.5 - 9.0

Note:

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Shitanshu Pandey



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
11	Phosphate (total) as P [mg/l]	BDL(<0.1)	APHA 2017 : 4500-P C	5
12	Sulphide as S [mg/l]	BDL(<0.1)	APHA 2017 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	3.17	APHA 2017 : 4500-Norg B	100
14	Arsenic [mg/l]	BDL (<0.001)	APHA :2017 :3114 B	0.2
15	Cadmium [mg/l]	0.04	APHA :2017 :3111- B	2.0
16	Chromium Total [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
17	Copper [mg/l]	0.02	APHA :2017 :3111- B	3.0
18	Iron [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
19	Lead [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.1
20	Manganese [mg/l]	0.19	APHA :2017 :3111- B	2.0
21	Mercury [mg/l]	BDL (<0.001)	APHA 2017 : 3112 B	0.01
22	Nickel [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
23	Zinc [mg/l]	0.54	APHA :2017 :3111- B	5.0
24	Oil & Grease [mg/l]	Less than 1	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	BDL(<0.001)	APHA 2017 : 5530 C	1.0
26	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-CI B	1.0
27	Free ammonia as N [mg/l]	BDL(<0.1)	APHA 2017 : 4500-NH3 C	0.5

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Senior Analyst

Senior Analyst

Rajesh Tiwari

Authorized Signatory

(Report No: TC502521200001437)



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	200001437	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection	Tailing Pond (74°32'18"N,25°19'19"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 05-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3114 B	0.05
2	color [Hazen]	10	APHA 2017:5210-B	-

Notes :-

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Senior Analyst



Authorized Signatory
(Report No: 200001437)



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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketingfab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521200001438	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	STP Incoming [74°32'37" N 25°19'34"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 06-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	1556	APHA 2017 : 2540 C	-
2	Total Suspended Solids [mg/l]	12	APHA 2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	1.15	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	5.2	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	30.08	APHA:2017 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA 2017 : 4500- CN D	0.2
7	Dissolved Oxygen [mg/l]	5.9	APHA 2017 : 4500- O C	-
8	Fluoride [mg/l]	0.87	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	6.68	APHA 2017 : 4500-NO3- B	10
10	pH	7.35	APHA:2017 : 4500 H+B	5.5 - 9.0

Note:

Continue to next page...

Rajesh Mishra



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
11	Phosphate (total) as P [mg/l]	BDL(<0.1)	APHA 2017 : 4500-P C	5
12	Sulphide as S [mg/l]	BDL(<0.1)	APHA 2017 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	3.75	APHA 2017 : 4500-Norg B	100
14	Arsenic [mg/l]	BDL (<0.001)	APHA :2017 :3114 B	0.2
15	Cadmium [mg/l]	BDL (<0.001)	APHA :2017 :3111- B	2.0
16	Chromium Total [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
17	Copper [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
18	Iron [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
19	Lead [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.1
20	Manganese [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
21	Mercury [mg/l]	BDL (<0.001)	APHA 2017 : 3112 B	0.01
22	Nickel [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
23	Zinc [mg/l]	0.07	APHA :2017 :3111- B	5.0
24	Oil & Grease [mg/l]	Less than 1	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	BDL(<0.001)	APHA 2017 : 5530 C	1.0
26	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-Cl B	1.0
27	Free ammonia as N [mg/l]	BDL(<0.1)	APHA 2017 : 4500-NH3 C	0.5

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[Handwritten Signature]

Senior Analyst

[Handwritten Signature]

Authorized Signatory

(Report No: TC502521200001438)



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Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	200001438	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	STP Incoming [74°32'37" N 25°19'34"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 06-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3114 B	0.05
2	color [Hazen]	10	APHA 2017:5210-B	-

Notes :-

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Senior Analyst


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Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521200001439	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Sitation Pond	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 06-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	1360	APHA 2017 : 2540 C	-
2	Total Suspended Solids [mg/l]	8	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	0.86	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	6.76	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	54.14	APHA:2017 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA 2017 : 4500- CN D	0.2
7	Dissolved Oxygen [mg/l]	6.1	APHA 2017 : 4500- O C	-
8	Fluoride [mg/l]	0.89	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	7.70	APHA 2017 : 4500-NO3- B	10
10	pH	7.75	APHA:2017 : 4500 H+B	5.5 - 9.0

Note:

Continue to next page...

Rajasthan Bhilwara



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
11	Phosphate (total) as P [mg/l]	BDL(<0.1)	APHA 2017 : 4500-P C	5
12	Sulphide as S [mg/l]	BDL(<0.1)	APHA. 2017 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	3.46	APHA 2017 : 4500-Norg B	100
14	Arsenic [mg/l]	BDL (<0.001)	APHA :2017 :3114 B	0.2
15	Cadmium [mg/l]	BDL (<0.001)	APHA :2017 :3111- B	2.0
16	Chromium Total [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
17	Copper [mg/l]	0.02	APHA :2017 :3111- B	3.0
18	Iron [mg/l]	0.04	APHA :2017 :3111- B	3.0
19	Lead [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.1
20	Manganese [mg/l]	0.02	APHA :2017 :3111- B	2.0
21	Mercury [mg/l]	BDL (<0.001)	APHA 2017 : 3112 B	0.01
22	Nickel [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
23	Zinc [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	5.0
24	Oil & Grease [mg/l]	Less than 1	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	BDL(<0.001)	APHA 2017 : 5530 C	1.0
26	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-Cl B	1.0
27	Free ammonia as N [mg/l]	BDL(<0.1)	APHA 2017 : 4500-NH3 C	0.5

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P. Rangaraj

Senior Analyst

Gajendra Singh

Authorized Signatory

(Report No: TC502521200001439)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	200001439	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Sitation Pond	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 06-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3114 B	0.05
2	color [Hazen]	10	APHA 2017:5210-B	-

Notes :-

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Pujan Mal Yogi

Senior Analyst

[Signature]

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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521200001440	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	BFN Receycling Water [74°32'17" N 25°19'17"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 06-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr. Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Dissolved Solids [mg/l]	1868	APHA 2017 : 2540 C	-
2	Total Suspended Solids [mg/l]	16	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	0.85	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	3.82	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	60.16	APHA:2017 : 5220-C	250
6	Cyanide [mg/l]	Less than 0.05	APHA 2017 : 4500- CN D	0.2
7	Dissolved Oxygen [mg/l]	5.9	APHA 2017 : 4500- O C	-
8	Fluoride [mg/l]	0.77	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	5.32	APHA 2017 : 4500-NO3- B	10
10	pH	8.11	APHA:2017 : 4500 H+B	5.5 - 9.0

Note:

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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
11	Phosphate (total) as P [mg/l]	BDL(<0.1)	APHA 2017 : 4500-P C	5
12	Sulphide as S [mg/l]	BDL(<0.1)	APHA. 2017 : 4500-S2-F	2
13	Total Kjeldahl Nitrogen (TKN) [mg/l]	3.43	APHA 2017 : 4500-Norg B	100
14	Arsenic [mg/l]	BDL (<0.001)	APHA :2017 :3114 B	0.2
15	Cadmium [mg/l]	BDL (<0.001)	APHA :2017 :3111- B	2.0
16	Chromium Total [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
17	Copper [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
18	Iron [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
19	Lead [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	0.1
20	Manganese [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	2.0
21	Mercury [mg/l]	BDL (<0.001)	APHA 2017 : 3112 B	0.01
22	Nickel [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	3.0
23	Zinc [mg/l]	BDL (<0.01)	APHA :2017 :3111- B	5.0
24	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	BDL(<0.001)	APHA 2017 : 5530 C	1.0
26	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-CI B	1.0
27	Free ammonia as N [mg/l]	BDL(<0.1)	APHA 2017 : 4500-NH3 C	0.5

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P. Anand Yogi

Senior Analyst

[Signature]

Authorized Signatory

(Report No: TC502521200001440)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	200001440	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	BFN Receycling Water [74°32'17" N 25°19'17"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 06-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3114 B	0.05
2	color [Hazen]	10	APHA 2017:5210-B	-

Notes :-

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Office : E-65, Chitranjan Marg,
C-Schema, Jaipur - 302001, Rajasthan
Phone : +91 6377210864, 9414077179,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, HICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	TC602521100001535	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9997/6711, 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 :	11-12-2020
Point of Collection :	Tiranga Pit [74°32'13" N 25°19'26"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.64	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	211.88	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9377210064, 9414077579,
Website : www.teamtesthouse.com
Email : team.tlhead@gmail.com

Laboratory : G1-584, RJICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	1085	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	148	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	38.88	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	88.7	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	29.30	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.41	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.31	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	144	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.53	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	20	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA 2017 3111-B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

Note:

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Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdttest@gmail.com

Laboratory : G1-584, RHC Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222649,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	370	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 64) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

Notes -

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P. K. Sharma

Senior Analyst

Rajesh Mangrwar
Authorized Signatory

(Report No: TC502521100001535)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9677110064, 9414077379
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : G1-584, BICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9469222019, 9469222019
Email : director@teamtesthouse.com,
marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001535	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhadwas Mines) Dhadwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhitwara, District-Bhitwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Tiranga Pit [74°31'13"N 25°19'25"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1967(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shishanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 - 6440 B
2	Pesticides [mg/l]	Not detected	APHA : 2017

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 100001535)



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Office : E-95, Chitrajan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521100001536	Date:	08-01-2021
Issued To:	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines-Araji No. 9697/6711, Near Tiranga Hills Village; Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit:	Mines
Type of Sample:	Potable and Domestic Water	Date of Sample Collection/Monitoring:	12-12-2020
Point of Collection:	Dhulkhera Pit (74°34'31"N, 25°23'48"E)	Date of Receipt:	15-12-2020
Date of Test/Analysis:	15-12-2020 to 08-01-2021	Sampling Plan:	IS 3025:1987(Part 1)RA 2014
Quantity of Sample:	2 Ltr.	Sample Collected By:	Vimal Kumar Yadav
Unit's representative:	Mr Shitanshu Pandey	Condition of Sample:	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste:	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.83	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	226.67	IS 3025 (Part 32) : 1988 RA 2019

Note

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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	1059	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	36.45	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	123	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	9.94	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.44	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.04	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	115.2	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	21	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

Note:

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Rajesh Kumar



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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6577210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	380	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

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Senior Analyst


Authorized Signatory
(Report No. TC502521100001536)



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IDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tth@rediffmail.com

Laboratory : G1-504, NEH Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
marketing@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	100001536	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village, Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Dhulkhera Pit [74°34'31"N 25°23'48"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 - 6440 B
2	Pesticides [mg/l]	Not detected	APHA - 2017

Notes ->

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Purag Mal Yogi

Senior Analyst

Rajesh Choudhary
Authorized Signatory
(Report No. 100001536)



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Office : E-65, Chhtranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bhilwad@gmail.com

Laboratory : G1-584, RIIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.	TC502521100001537	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hill Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Suras Pit (74°34'9"N,25°23'31"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2016
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.70	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) (mg/l)	480	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	236.52	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Reported By: [Signature]



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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	877	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	144	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	29.16	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	82.2	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	21.85	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.61	IS 3025 (Part 50) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	160	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.41	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	18	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 3111- B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

Note:

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Office : E-05, Chitrangam Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : GT-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL (<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	360	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL (<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL (<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coll [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA 2017 3111-B

Notes

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Purushottam Yogi

Senior Analyst

Rajesh Maheshwari

Authorized Signatory

(Report No: TC502521100001537)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521200001441	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	10 KLD STP BFN Plant A Outlet	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 05-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Suspended Solids [mg/l]	44	APHA.2017:2540-D	100
2	Ammonical Nitrogen as N [mg/l]	4.28	APHA 2017 : 4500-NH3 C	50
3	Biochemical Oxygen Demand (BOD) [mg/l]	8.85	APHA 2017:5210-B	30
	Chloride as Cl [mg/l]	665.04	APHA 2017 : 4500- Cl- B	-
5	Chemical Oxygen Demand (COD) [mg/l]	69.18	APHA:2017 : 5220-C	250
6	pH	7.15	APHA:2017 : 4500 H+B	5.5 - 9.0
7	Total Kjeldahl Nitrogen (TKN) [mg/l]	12.57	APHA 2017 : 4500-Norg B	100
8	Oil & Grease [mg/l]	8	APHA 2017 : 5520 B	10
9	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-Cl B	1.0

Notes -

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Senior Analyst

Authorized Signatory

(Report No: TC502521200001441)



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521200001442	Date :	06-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Wastewater Sample	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	10 KLD STP BFN Plant B Outlet	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 05-01-2021	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Suspended Solids [mg/l]	30	APHA.2017:2540-D	100
2	Ammonical Nitrogen as N [mg/l]	3.46	APHA 2017 : 4500-NH3 C	50
3	Biochemical Oxygen Demand (BOD) [mg/l]	15	APHA 2017:5210-B	30
	Chloride as Cl [mg/l]	456.6	APHA 2017 : 4500- Cl- B	-
5	Chemical Oxygen Demand (COD) [mg/l]	120.32	APHA:2017 : 5220-C	250
6	pH	6.90	APHA:2017 : 4500 H+B	5.5 - 9.0
7	Total Kjeldahl Nitrogen (TKN) [mg/l]	11.54	APHA 2017 : 4500-Norg B	100
8	Oil & Grease [mg/l]	6	APHA 2017 : 5520 B	10
9	Total Residual Chlorine [mg/l]	BDL(<0.1)	APHA:2017 : 4500-Cl B	1.0

Notes :-

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Senior Analyst

Authorized Signatory

(Report No: TC502521200001442)



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Schema, Jaipur - 302001, Rajasthan
Phone : +91 6377210864, 9414077179,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, HICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	TC502521100001535	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9997/6711, Near Tiranga Hills Village : Pur Tehsil Bhiwara, District-Bhiwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Tiranga Pit [74°32'13" N 25°19'26"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.64	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	211.88	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077579,
Website : www.teamtesthouse.com
Email : team.tlhead@gmail.com

Laboratory : G1-584, RJICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	1085	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	148	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	38.88	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	88.7	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	29.30	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.41	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.31	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	144	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.53	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	20	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA 2017 3111-B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

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Rateel Malhotra



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Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhsat@gmail.com

Laboratory : G1-584, RHC Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222649,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	370	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 64) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

Notes -

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P. K. Sharma
P.K. Sharma: 108

Senior Analyst

Rajesh Mangrwar
Rajesh Mangrwar
Authorized Signatory

(Report No: TC502521100001535)



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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 9677110064, 9414077379
Website : www.teamtesthouse.com
Email : team.tdhead@gmail.com

Laboratory : G1-584, BICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222010, 9460222019,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100001535	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhadwas Mines) Dhadwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhitwara, District-Bhitwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Tiranga Pit [74°31'13"N 25°19'25"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1967(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shishanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 - 6440 B
2	Pesticides [mg/l]	Not detected	APHA : 2017

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 100001535)



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Office : E-95, Chitrajan Marg,
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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502521100001536	Date:	08-01-2021
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 Bhiwara, District-Bhiwara 311802 (Rajasthan).	Type of Unit:	Mines
Type of Sample:	Potable and Domestic Water	Date of Sample Collection/Monitoring:	12-12-2020
Point of Collection:	Dhulkhara Pit (74°34'31"N, 25°23'48"E)	Date of Receipt:	15-12-2020
Date of Test/Analysis:	15-12-2020 to 08-01-2021	Sampling Plan:	IS 3025:1987(Part 1)RA-2014
Quantity of Sample:	2 Ltr.	Sample Collected By:	Vimal Kumar Yadav
Unit's representative:	Mr Shitanshu Pandey	Condition of Sample:	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste:	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.83	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	530	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	226.67	IS 3025 (Part 32) : 1988 RA 2019

Note

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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	1059	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	36.45	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	123	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	9.94	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.44	IS 3025 (Part 60) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.04	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	115.2	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	21	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

Note:

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Rajesh Kumar



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6577210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	380	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA :2017 :3111- B

Notes :-

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Senior Analyst

Authorized Signatory
(Report No. TC502521100001536)



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IDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.tth@rediffmail.com

Laboratory : G1-504, NH-6 Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
marketing@teamtesthouse.com

TEST REPORT

Report No./JLR No. :	100001536	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village, Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Dhulkhera Pit [74°34'31"N 25°23'48"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL (<0.0001)	APHA 2017 - 6440 B
2	Pesticides [mg/l]	Not detected	APHA - 2017

Notes ->

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Purajamal Yogi

Senior Analyst

Rajesh Choudhary
Authorized Signatory
(Report No. 100001536)



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Office : E-65, Chhtranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bhilwad@gmail.com

Laboratory : G1-584, RII/O Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.	TC502521100001537	Date :	08-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hill Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Suras Pit (74°34'9"N,25°23'31"E)	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 08-01-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.70	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) (mg/l)	480	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	236.52	IS 3025 (Part 32) : 1988 RA 2019

Note:

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Reported By: [Signature]



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.testhouse@gmail.com

Laboratory : G1-584, RHCO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	877	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	144	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	29.16	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	82.2	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	21.85	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.61	IS 3025 (Part 50) : 2008 RA 2019
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992 RA 2019
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988 RA 2019
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	160	IS 3025 (Part 23) : 1986 RA 2019
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003 RA 2019
23	Boron [mg/l]	0.41	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	18	IS 3025 (Part 17) : 1984 RA 2017
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2017 3111- B
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
27	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

Note:

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JDA/UDH

Office : E-05, Chitrangam Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 8377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : GT-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Cyanide [mg/l]	BDL (<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	360	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL (<0.1)	IS 13428 (Annexure K)
32	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003 RA 2019
33	Phenolic Compound [mg/l]	BDL (<0.001)	IS 3025 (Part 43) : 1992 RA 2019
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012 RA 2018
35	E. Coll [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL (<0.01)	APHA 2017 3111-B

Notes

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Purushottam Yogi

Senior Analyst

Rajesh Maheshwan

Authorized Signatory

(Report No: TC502521100001537)



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002648	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Crusher Unit Near Centre Workshop	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	359.39	IS 5182 (Part 4) : 1999 RA 2019

Notes :-

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Purifusapuri
Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521400002648)



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

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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002646	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Raw Material storage Yard (Near Weigh Bridge)	Date of Receipt :	14-12-2020
Date of Test/Analysis :	14-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	491.78	IS 5182 (Part 4) : 1999 RA 2019

Notes :-

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Puran Mal Yogi
No. 10/10/2021

Senior Analyst

Rajesh Patel

Authorized Signatory

(Report No: TC502521400002646)



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JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002647	Date :	02-01-2021
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 :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	11-12-2020
Point of Collection :	Haul Road [74°32'42" N 25°20'2"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	458.81	IS 5182 (Part 4) : 1999 RA 2019

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Senior Analyst


Authorized Signatory
(Report No: TC502521400002647)



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JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521400002649	Date :	02-01-2021
Issued To :	M/S Jindal Saw Limited (Dhedwas Mines) Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara, District-Bhilwara 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	12-12-2020
Point of Collection :	Screening Area -Crusher [74°32'11" N 25°19'10"E]	Date of Receipt :	15-12-2020
Date of Test/Analysis :	15-12-2020 to 29-12-2020	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	415.36	IS 5182 (Part 4) : 1999 RA 2019

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Purnima Singh Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521400002649)