



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,

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JDA/UDI

Office : E-65, Chitranjan Marg,
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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. :	TC502523400000614	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023 16:16 to 15-03-2023 16:16
Point of Collection :	Tiranga Pit [74°32'20" N 25°19'31"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 29-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	320	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.24	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.85	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]	192.44	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	34.11	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	3.51	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	67.63	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]	5.4	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Maheshwan



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000614	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023 16:16 to 15-03-2023 16:16
Point of Collection :	Tiranga Pit [74°32'20" N 25°19'31"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 29-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst
Yogi


Authorized Signatory
(Report No: 400000614)



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TEST REPORT

Report No./ULR No. :	TC502523400000617	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023 16:21 to 12-03-2023 16:21
Point of Collection :	Samodi Village (74°32'57"N,25°20'53"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m ³]	270	TTH/AAQM/08	4000
3	Lead [microgram/m ³]	0.13	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.81	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]	244.2	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM _{2.5}) [microgram/m ³]	37.05	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m ³]	5.01	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM ₁₀) [microgram/m ³]	75.57	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]	4.7	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maneshwar



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TEST REPORT

Report No./ULR No.:	400000617	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023 16:21 to 12-03-2023 16:21
Point of Collection :	Samodi Village (74°32'57"N,25°20'53"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Puran Mal Yogi
Senior Analyst

Rakesh Mohanwan
Authorized Signatory
(Report No: 400000617)



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TEST REPORT

Report No./ULR No.:	TC502523400000615	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023 16:18 to 14-03-2023 16:18
Point of Collection :	Dhulkhera Pit (74°34'26"N, 25°23'32"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	310	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.25	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.92	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]	197.15	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	36.74	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	5.14	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	74.03	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]	5.3	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maheshwari



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TEST REPORT

Report No./ULR No. :	400000615	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023 16:18 to 14-03-2023 16:18
Point of Collection :	Dhulkhera Pit (74°34'26"N, 25°23'32"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Senior Analyst
Mal Yogi


Authorized Signatory
(Report No: 400000615)



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

TEST REPORT

Report No./ULR No. :	TC502523400000616	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023 16:19 to 13-03-2023 16:19
Point of Collection :	Suras Pit (74°34'11"N,25°23'24"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	330	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	12.98	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]	190.11	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	34.15	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	2.99	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	71.8	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 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maneswan



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000616	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023 16:19 to 13-03-2023 16:19
Point of Collection :	Suras Pit (74°34'11"N,25°23'24"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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Senior Analyst

Authorized Signatory
(Report No: 400000616)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523400000799	Date :	05-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-03-2023 18:02 to 24-03-2023 18:02
Point of Collection :	Near Tiranga Pit (74°32'18"N 25°19'32"E)	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-04-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.8	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	138.39	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	28.57	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	4.95	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	67.96	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Purnima Yogi
Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: TC502523400000799)



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

TEST REPORT

Report No./ULR No. :	TC502523400000798	Date :	05-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-03-2023 18:01 to 24-03-2023 18:01
Point of Collection :	Samodi Village (74°32'57" N 25°20'53"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-04-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.87	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	129.07	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	34.25	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	3.84	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	75.64	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Purushottam Yogi

Senior Analyst

Rajesh Maheshwar
Authorized Signatory

(Report No: TC502523400000798)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523400000797	Date :	05-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	22-03-2023 18:00 to 23-03-2023 18:00
Point of Collection :	Dhulkhera Pit [74°34'26"N 25°23'32"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-04-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.82	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	136.21	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	28.51	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	5.3	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	77.5	IS 5182 (Part 23)-2006 RA 2017	100.00

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Puran Lal Yogi
Senior Analyst

Authorized Signatory
(Report No: TC502523400000797)



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TEST REPORT

Report No./ULR No.:	TC502523400000796	Date :	05-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	22-03-2023 17:59 to 23-03-2023 17:59
Point of Collection :	Suras Pit (74°34'10"N,25°23'25"E)	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-04-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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]	350	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.66	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	134.92	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	29.24	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	6.2	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	71.11	IS 5182 (Part 23)-2006 RA 2017	100.00

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Puran Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory

(Report No: TC502523400000796)



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TEST REPORT

Report No./ULR No. :	TC502523400000619	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023 16:22 to 13-03-2023 16:22
Point of Collection :	Pur Village (74°32'27"N,25°18'01"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	260	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.48	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.63	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]	222.73	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	23.94	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	5.11	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	55.4	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]	6.5	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Purn Mal Yogi

Rajesh Maheshwar



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TEST REPORT

Report No./ULR No. :	400000619	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023 16:22 to 13-03-2023 16:22
Point of Collection :	Pur Village (74°32'27"N,25°18'01"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Purni Mal Yogi
Senior Analyst

Rakesh Maheshwan
Authorized Signatory
(Report No: 400000619)



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TEST REPORT

Report No./ULR No. :	TC502523400000618	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023 16:22 to 12-03-2023 16:21
Point of Collection :	Dariba Village (74°31'40"N,25°20'34"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	290	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.14	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.48	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]	231.08	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	38.98	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	4.77	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	73.53	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 26 : 2020	20.00

Notes :-

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Purni Mal Yogi

Rajesh Maheshwan



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TEST REPORT

Report No./ULR No. :	400000618	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023 16:22 to 12-03-2023 16:21
Point of Collection :	Dariba Village (74°31'40"N,25°20'34"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: 400000618)



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TEST REPORT

Report No./ULR No. :	TC502523400000620	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023 16:24 to 13-03-2023 16:24
Point of Collection :	Kanoli Village (74°35'58"N,25°16'15"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	280	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	15.51	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]	146.32	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	31.15	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	3.18	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	57.27	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]	6.9	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maheshwan



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000620	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023 16:24 to 13-03-2023 16:24
Point of Collection :	Kanoli Village (74°35'58"N,25°16'15"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Purnima Yogi
Senior Analyst

Rajesh Maheshwari
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(Report No: 400000620)



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TEST REPORT

Report No./ULR No. :	TC502523400000622	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023 16:26 to 14-03-2023 16:26
Point of Collection :	Gandhisagar Sagar Park (74°38'56"N,25°20'11"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	290	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.26	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]	156.36	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	31.59	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	3.96	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	50.25	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]	5.7	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Maheshwar



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TEST REPORT

Report No./ULR No. :	400000622	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023 16:26 to 14-03-2023 16:26
Point of Collection :	Gandhisagar Sagar Park (74°38'56"N,25°20'11"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst Yogi


Authorized Signatory
(Report No: 400000622)



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TEST REPORT

Report No./ULR No.:	TC502523400000621	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023 16:25 to 14-03-2023 16:25
Point of Collection :	Lack View Lawn	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	340	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.08	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.77	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]	187.64	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	34.47	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	4.54	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	69.43	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]	5.8	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Purnan Mal Yogi

Rajesh Maheshwari



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TEST REPORT

Report No./ULR No. :	400000621	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023 16:25 to 14-03-2023 16:25
Point of Collection :	Lack View Lawn	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 400000621)



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TEST REPORT

Report No./ULR No. :	TC50252340000623	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023 16:27 to 15-03-2023 16:27
Point of Collection :	Temple Area	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	330	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.26	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.02	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]	143.53	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	30.58	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	4	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	56.81	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]	6.6	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Maheshwan



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TEST REPORT

Report No./ULR No. :	400000623	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023 16:27 to 15-03-2023 16:27
Point of Collection :	Temple Area	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Puran Mal Yogi
Senior Analyst

Rajesh Mohan Singh
Authorized Signatory
(Report No: 400000623)



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TEST REPORT

Report No./ULR No. :	TC502523500000416	Date :	05-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	D G Stack (Above 800 KW) / Chemical	Date of Sample Collection/Monitoring :	24-03-2023
Point of Collection :	DG Set 1010 KVA	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-04-2023	Non Methane Hydrocarbon :	mg/Nm3
Sampling Plan :	IS 11255:2008(Part 3)RA 2018	Quantity of Sample :	-
Sample Collected By :	Banwari Lal Kumawat	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/Nm3]	49.51	IS 11255 (Part 1):1985 Reaffirmed 2014	75
2	Oxides of Nitrogen [ppmv]	220	IS 11255 (Part 7) :1985 Redffirmed 2012	710
3	Sulphur dioxide [mg/Nm3]	BDL(<2.0)	IS 11255(Part 2) :1985 Reaffirmed 2014	-
4	Carbon monoxide [mg/Nm3]	90	Instruction Manual Kane 900 Plus	150

Notes :-

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Purni Mai Yogi
Senior Analyst

Raju Malleshwar
Authorized Signatory

(Report No: TC502523500000416)



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TEST REPORT

Report No./ULR No. :	500000416	Date :	05-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur , Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	D G Stack (Above 800 KW) / Chemical	Date of Sample Collection/Monitoring :	24-03-2023
Point of Collection :	DG Set 1010 KVA	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-04-2023	Non Methane Hydrocarbon :	mg/Nm ³
Sampling Plan :	IS 11255:2008(Part 3)RA 2018	Quantity of Sample :	-
Sample Collected By :	Banwari Lal Kumawat	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
5	Nonmethane Hydrocarbon [mg/Nm ³]	25	IS 5182 Part 21 :2001 RA 2017	100

Notes :-

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Puran Math Yogi
Senior Analyst

Rajesh Matheshwari
Authorized Signatory
(Report No: 500000416)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No.:	TC502523200000580	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	10 KLD STP BFN Plant A Outlet	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	18	APHA.2017:2540-D	100
2	Ammonical Nitrogen as N [mg/l]	1.74	APHA 2017 : 4500-NH3 C	50
3	Biochemical Oxygen Demand (BOD) [mg/l]	9	APHA 2017:5210-B	30
4	Chloride as Cl [mg/l]	689.86	APHA 2017 : 4500- Cl- B	-
5	Chemical Oxygen Demand (COD) [mg/l]	70.56	APHA:2017 : 5220-C	250
6	pH	7.44	APHA:2017 : 4500 H+B	5.5 - 9.0
7	Sulphide as S [mg/l]	BDL (<0.1)	APHA. 2017 : 4500-S2-F	2
8	Total Kjeldahl Nitrogen (TKN) [mg/l]	8.01	APHA 2017 : 4500-Norg B	100
9	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
10	Total Residual Chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	1.0
11	Nitrate as NO3 [mg/l]	28.03	APHA 2017 : 4500-NO3- B	50

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: TC502523200000580)



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TEST REPORT

Report No./ULR No. :	TC502523200000581	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	10 KLD STP BFN Plant B Outlet	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	19	APHA.2017:2540-D	100
2	Ammonical Nitrogen as N [mg/l]	5.29	APHA 2017 : 4500-NH3 C	50
3	Biochemical Oxygen Demand (BOD) [mg/l]	10.75	APHA 2017:5210-B	30
4	Chloride as Cl [mg/l]	453.33	APHA 2017 : 4500- Cl- B	-
5	Chemical Oxygen Demand (COD) [mg/l]	84.67	APHA:2017 : 5220-C	250
6	pH	7.27	APHA:2017 : 4500 H+B	5.5 - 9.0
7	Sulphide as S [mg/l]	BDL (<0.1)	APHA. 2017 : 4500-S2-F	2
8	Total Kjeldahl Nitrogen (TKN) [mg/l]	18.74	APHA 2017 : 4500-Norg B	100
9	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
10	Total Residual Chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	1.0
11	Nitrate as NO3 [mg/l]	25.19	APHA 2017 : 4500-NO3- B	50

Notes :-

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Senior Analyst
Sunil Kumar

Authorized Signatory
(Report No: TC502523200000581)



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TEST REPORT

Report No./ULR No. :	TC502523100000466	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Pur Village (74°32'27"N,25°18'11"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.18	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	523.81	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	1.0	-
8	Chloride [mg/l]	291.93	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1953	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	163.81	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Kumar Shrivastava



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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
11	Magnesium [mg/l]	27.77	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]	0.03	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	345.8	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	25.83	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.98	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.22	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	384	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]	0.46	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
29	Calcium Hardness [mg/l]	409.52	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	0.002



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

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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000466)



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TEST REPORT

Report No./ULR No. :	100000466	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills, Village : Pur, Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Pur Village (74°32'27"N,25°18'11"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
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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Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 100000466)



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TEST REPORT

Report No./ULR No. :	TC502523100000470	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Dariba Village [74°31'59"N 25°20'48"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	0.3	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.48	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	466.67	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	1.0	-
8	Chloride [mg/l]	114.86	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	934	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	91.43	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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Rajesh Bajmeshwar



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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
11	Magnesium [mg/l]	57.85	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]	122.5	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	16.8	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.72	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	-
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]	441.6	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	-
23	Boron [mg/l]	0.42	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	228.57	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

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC50252310000470)



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TEST REPORT

Report No./ULR No. :	100000470	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Dariba Village [74°31'59"N 25°20'48"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
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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Belram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 100000470)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523100000469	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Kanoli Village (74°36'11"N,25°16'12"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.80	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	152.38	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	1.0	-
8	Chloride [mg/l]	24.89	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	313	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	35.05	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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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
11	Magnesium [mg/l]	15.74	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]	14.83	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	3.29	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.59	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.06	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	199.68	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]	0.22	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
29	Calcium Hardness [mg/l]	87.62	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	0.002

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

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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.


Baran Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000469)



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TEST REPORT

Report No./ULR No. :	100000469	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Kanoli Village (74°36'11"N,25°16'12"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000469)



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TEST REPORT

Report No./ULR No. :	TC502523100000468	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Gandhisagar village	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.39	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	285.71	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	1.0	-
8	Chloride [mg/l]	118.69	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	726	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	80	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

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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
11	Magnesium [mg/l]	20.83	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]	88.33	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	18.90	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.67	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	-
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]	264.96	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]	0.43	IS 13428 (Annexure H)	0.5	2.4
24	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
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	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	-
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	200.0	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

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Email : marketinglab@teamtesthouse.com

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
32	Total coliform [MPN/100ml]	Not detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523100000468)



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TEST REPORT

Report No./ULR No. :	100000468	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills, Village : Pur, Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Gandhisagar village	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
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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Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 100000468)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523100000467	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Samodi Village (74°32'58"N,25°20'56"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.25	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	523.81	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	1.0	-
8	Chloride [mg/l]	134	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1025	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	171.43	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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Rajesh Maheshwan



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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
11	Magnesium [mg/l]	23.14	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]	329.17	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	22.52	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.91	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	-
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]	288	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]	0.38	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	428.57	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

Rajesh Kumar



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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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agaryal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000467)



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

TEST REPORT

Report No./ULR No. :	100000467	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Samodi Village (74°32'58"N,25°20'56"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
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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Senior Analyst


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

TEST REPORT

Report No./ULR No. :	TC502523100000464	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Dhulkhera Village (74°35'31"N,25°23'59"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	0.4	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.01	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	542.86	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	1.0	-
8	Chloride [mg/l]	263.22	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1219	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	171.43	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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Rajesh Maheshwan



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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
11	Magnesium [mg/l]	27.77	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]	0.06	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	101.5	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	22.90	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.76	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	364.8	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]	0.33	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
29	Calcium Hardness [mg/l]	428.58	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	0.002

Rajiv

Rajesh Maheshwan



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

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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000464)



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TEST REPORT

Report No./ULR No. :	100000464	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Dhulkhera Village (74°35'31"N,25°23'59"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Senior Analyst

Rajesh Maheshwari
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(Report No: 100000464)



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TEST REPORT

Report No./ULR No.:	TC502523100000465	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Suras Village [74°33'40" N 25°23'16"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	0.3	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.06	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	561.9	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	1.0	-
8	Chloride [mg/l]	156.97	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1546	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	186.67	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Mishra



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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
11	Magnesium [mg/l]	23.14	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]	95.6	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	33.15	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.89	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.06	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	384	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]	0.37	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
29	Calcium Hardness [mg/l]	466.67	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	0.002

Rajesh Maheshwar



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

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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Senior Analyst


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TEST REPORT

Report No./ULR No. :	100000465	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Suras Village [74°33'40" N 25°23'16"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523100000471	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	BFN (Ground Water)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.11	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	552.38	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	0.02	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
8	Chloride [mg/l]	260.82	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1930	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	156.19	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Maheshwan



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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
11	Magnesium [mg/l]	39.34	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]	362.5	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	33.5	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.08	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	-
19	Lead [mg/l]	BDL (<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	307.2	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]	0.41	IS 13428 (Annexure H)	0.5	2.4
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(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
29	Calcium Hardness [mg/l]	390.47	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	0.002



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

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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000471)



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TEST REPORT

Report No./ULR No. :	100000471	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Arajai No. 9697/6711, Near Tiranga Hills, Village : Pur, Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	BFN (Ground Water)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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Senior Analyst

Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC502523100000484	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Meja Dam [74°32'19" N 25°23'29"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	3.0	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	8.45	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	110.48	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	1.0	-
8	Chloride [mg/l]	61.26	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	286	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	16.76	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	16.66	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00



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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
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]	26.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	2.05	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.46	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	-
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]	122.88	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]	0.22	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	9	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	41.9	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	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003 RA 2019	0.02	-
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002



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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
34	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
35	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523100000484)



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TEST REPORT

Report No./ULR No. :	100000484	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Meja Dam [74°32'19" N 25°23'29"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
37	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
38	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: 100000484)



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TEST REPORT

Report No./ULR No. :	TC502523100000485	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Arajli No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Samodi Pond (74°32'50"N,25°20'41"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	2.2	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.32	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	198.1	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	1.0	-
8	Chloride [mg/l]	49.77	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	352	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	56.38	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	13.88	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Rajesh Kumar



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

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
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]	96.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	3.36	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.48	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	-
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]	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]	0.23	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	16	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	140.95	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	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003 RA 2019	0.02	-
33	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002



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Email : marketinglab@teamtesthouse.com

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
34	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
35	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balra
Balram Agarwal
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000485)



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TEST REPORT

Report No./ULR No. :	100000485	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Samodi Pond (74°32'50"N,25°20'41"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
37	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
38	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: 100000485)



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TEST REPORT

Report No./ULR No. :	TC502523100000483	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Kothari River [74°33'17"N-25°23'47"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	1.8	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	8.43	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	295.24	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	1.0	-
8	Chloride [mg/l]	193.34	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	731	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	80	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	23.14	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00



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Email : marketinglab@teamtesthouse.com

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
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]	9.55	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.52	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	-
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]	176.64	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]	0.27	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	13	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
29	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
31	Calcium Hardness [mg/l]	200	IS 3025 (Part 40) : 1991 RA 2019	-	-
32	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
33	Nickel [mg/l]	BDL(<0.01)	IS 3025 (Part 54) : 2003 RA 2019	0.02	-



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

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
34	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
35	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000483)



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TEST REPORT

Report No./ULR No. :	100000483	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Arajji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Kothari River [74°33'17"N-25°23'47"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
37	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
38	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

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Balram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 100000483)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523200000575	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tailing Filter Press Recycling Water	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	1595	APHA 2017 : 2540 C	Not Specified
2	Total Suspended Solids [mg/l]	28	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	2.76	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	8.75	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	53.31	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]	0.96	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	8.41	APHA 2017 : 4500-NO3- B	10
10	pH	7.54	APHA:2017 : 4500 H+B	5.5 - 9.0
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]	9.07	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]	0.16	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]	0.02	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]	0.04	APHA :2017 :3111- B	5.0

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

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
24	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	0.23	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)	IS 3025 (Part 34) : 1988 RA 2019	0.5

Notes :-

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Sunil Kumar
Senior Analyst

Rajesh Maheshwan
Authorized Signatory

(Report No: TC502523200000575)



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TEST REPORT

Report No./ULR No. :	200000575	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tailing Filter Press Recycling Water	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
28	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3114 B	0.05
29	color [Hazen]	10	APHA 2017 2120 B	-

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: 200000575)



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TEST REPORT

Report No./ULR No.:	TC502523200000576	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tailing Pond	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	1901	APHA 2017 : 2540 C	Not Specified
2	Total Suspended Solids [mg/l]	14	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	2.58	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	8.33	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	56.45	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]	6.0	APHA 2017 : 4500- O C	-
8	Fluoride [mg/l]	1.15	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	6.02	APHA 2017 : 4500-NO3- B	10
10	pH	7.29	APHA:2017 : 4500 H+B	5.5 - 9.0
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]	6.82	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]	0.07	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]	0.09	APHA :2017 :3111- B	2.0
21	Mercury [mg/l]	BDL(<0.001)	APHA 2017 : 3112 B	0.01
22	Nickel [mg/l]	0.03	APHA :2017 :3111- B	3.0
23	Zinc [mg/l]	0.33	APHA :2017 :3111- B	5.0

Signature



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JDA/UDH

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

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
24	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	0.18	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)	IS 3025 (Part 34) : 1988 RA 2019	0.5

Notes :-

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Senior Analyst
Sunil Kumar


Authorized Signatory
(Report No: TC502523200000576)



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TEST REPORT

Report No./ULR No. :	200000576	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tailing Pond	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
28	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3114 B	0.05
29	color [Hazen]	10	APHA 2017 2120 B	-

Notes :-

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Senior Analyst
Sunil Kumar

Authorized Signatory
(Report No: 200000576)



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TEST REPORT

Report No./ULR No.:	TC502523200000577	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	STP Incoming [74°32'37" N 25°19'34"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	898	APHA 2017 : 2540 C	Not Specified
2	Total Suspended Solids [mg/l]	15	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	2.83	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	8.8	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	59.58	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]	1.01	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	6.36	APHA 2017 : 4500-NO3- B	10
10	pH	7.72	APHA:2017 : 4500 H+B	5.5 - 9.0
11	Phosphate (total) as P [mg/l]	0.84	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]	7.82	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]	0.08	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]	0.02	APHA :2017 :3111- B	5.0

Bay



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

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
24	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	0.12	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)	IS 3025 (Part 34) : 1988 RA 2019	0.5

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: TC502523200000577)



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TEST REPORT

Report No./ULR No. :	200000577	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	STP Incoming [74°32'37" N 25°19'34"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
28	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3114 B	0.05
29	color [Hazen]	10	APHA 2017 2120 B	-

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 200000577)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523200000578	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Silt Arresting Tank	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Barwari Lal Kumawat
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]	1402	APHA 2017 : 2540 C	Not Specified
2	Total Suspended Solids [mg/l]	21	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	1.83	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	8	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	62.72	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]	1.04	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	6.59	APHA 2017 : 4500-NO3- B	10
10	pH	7.34	APHA:2017 : 4500 H+B	5.5 - 9.0
11	Phosphate (total) as P [mg/l]	0.76	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]	7.46	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]	0.16	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]	0.04	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



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

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
24	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	0.09	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)	IS 3025 (Part 34) : 1988 RA 2019	0.5

Notes :-

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Sunil
Senior Analyst
Sunil Kumar

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502523200000578)



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

TEST REPORT

Report No./ULR No. :	200000578	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Arajji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Silt Arresting Tank	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
28	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3114 B	0.05
29	color [Hazen]	Less than 5	APHA 2017 2120 B	-

Notes :-

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Senior Analyst
Sunil Kumar


Rajesh Maheshwar
Authorized Signatory
(Report No: 200000578)



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TEST REPORT

Report No./ULR No. :	TC502523200000579	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	BFN Receycling Water [74°32'17" N 25°19'17"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	1195	APHA 2017 : 2540 C	Not Specified
2	Total Suspended Solids [mg/l]	12	APHA.2017:2540-D	100
3	Ammonical Nitrogen as N [mg/l]	1.97	APHA 2017 : 4500-NH3 C	50
4	Biochemical Oxygen Demand (BOD) [mg/l]	7.67	APHA 2017:5210-B	30
5	Chemical Oxygen Demand (COD) [mg/l]	50.18	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]	0.85	APHA:2017 : 4500-F-C	2.0
9	Nitrate Nitrogen as NO3-N [mg/l]	6.25	APHA 2017 : 4500-NO3- B	10
10	pH	7.41	APHA:2017 : 4500 H+B	5.5 - 9.0
11	Phosphate (total) as P [mg/l]	0.71	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]	8.55	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]	0.05	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

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

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
24	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
25	Phenolic compounds [mg/l]	0.08	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)	IS 3025 (Part 34) : 1988 RA 2019	0.5

Notes :-

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Sunil Kumar
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523200000579)



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TEST REPORT

Report No./ULR No. :	200000579	Date :	27-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	BFN Receycling Water [74°32'17" N 25°19'17"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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
28	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3114 B	0.05
29	color [Hazen]	Less than 5	APHA 2017 2120 B	-

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: 200000579)



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

TEST REPORT

Report No./ULR No. :	TC502523100000472	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Piezometer Well No. 1 [74°32'16" N 25°19'6"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	3.2	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.11	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	390.48	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]	196.22	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	967	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	91.43	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	39.34	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]	70.83	IS 3025 (Part 24) : 1986 RA 2019

Rajesh Maheshwan



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	26.93	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.99	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]	0.05	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	364.8	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]	0.31	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	228.57	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

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Bairam Agarwal
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523100000472)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100000472	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Piezometer Well No. 1 [74°32'16" N 25°19'6"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000472)



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TEST REPORT

Report No./ULR No.:	TC502523100000473	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Piezowell No. 2 (74°32'49"N,25°20'4"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	3.6	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.20	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	533.33	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]	277.57	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	1160	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	114.29	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	60.17	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]	181.67	IS 3025 (Part 24) : 1986 RA 2019

Rajesh Maneshwan



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	22.74	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.95	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]	595.2	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]	0.62	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	285.72	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

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Balram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000473)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	100000473	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Piezowell No. 2 (74°32'49"N,25°20'4"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
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(Report No: 100000473)



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TEST REPORT

Report No./ULR No. :	TC502523100000474	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Piezowell No.3 (74°33'50"N,25°23'32"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	4.3	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.33	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	533.33	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]	167.5	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	922	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	137.14	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	46.28	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]	0.05	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	83.33	IS 3025 (Part 24) : 1986 RA 2019

Rajesh Maheshwar



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	22.71	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	1.33	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]	0.80	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	499.2	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]	0.64	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	342.85	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

Notes :-

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Bahram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000474)



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TEST REPORT

Report No./ULR No. :	100000474	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Piezowell No.3 (74°33'50"N,25°23'32"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000474)



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Email : director@teamtesthouse.com,
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TEST REPORT

Report No./ULR No. :	TC502523100000475	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Piezowell No.4 (74°34'18"N,25°23'18"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	20.2	IS 3025 (Part 10) : 1984 RA 2017
5	pH	6.99	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	580.95	IS 3025 (Part 21) : 2009 RA 2019
7	Iron [mg/l]	0.05	IS 3025 (Part 53) : 2003 RA 2019
8	Chloride [mg/l]	402	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	1896	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	160	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	43.97	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	BDL(<0.001)	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	0.16	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	533.33	IS 3025 (Part 24) : 1986 RA 2019

Rajesh Maheshwari



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	5.62	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.63	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]	326.4	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]	0.56	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	400	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000475)



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TEST REPORT

Report No./ULR No. :	100000475	Date :	28-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Piezowell No.4 (74°34'18"N,25°23'18"E)	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000475)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523100000476	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Piezowell No.5 [74°35'7" N 25°24'0"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	7.43	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	542.86	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]	162.72	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	1129	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	133.33	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	50.91	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]	366.66	IS 3025 (Part 24) : 1986 RA 2019



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	28.57	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.95	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]	259.2	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]	0.39	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	333.32	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	14	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

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Balra
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory

(Report No: TC502523100000476)



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TEST REPORT

Report No./ULR No. :	100000476	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Arajji No. 9697/6711, Near Tiranga Hills, Village : Pur, Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Piezowell No.5 [74°35'7" N 25°24'0"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Senior Analyst

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

TEST REPORT

Report No./ULR No. :	TC502523100000477	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Piezowell No.6 [74°34'56" N 25°24'5"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	2.3	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.09	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	580.95	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]	330.22	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	1813	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	152.38	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	48.6	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]	395.0	IS 3025 (Part 24) : 1986 RA 2019

Rajesh Maheshwan



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	32.31	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]	364.8	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]	0.48	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	380.95	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

Notes :-

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Balram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000477)



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

TEST REPORT

Report No./ULR No. :	100000477	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Piezowell No.6 [74°34'56" N 25°24'5"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B
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.


Balram Agarwal
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: 100000477)



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

TEST REPORT

Report No./ULR No. :	TC502523100000478	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Piezometer Well No. 7 [74°34'33" N 25°23'38"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	1.3	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.19	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	333.33	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]	57.43	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	751	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	68.57	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	39.34	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]	351.67	IS 3025 (Part 24) : 1986 RA 2019

Rajesh Maheshwan



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

S.No	Parameters	Observed Value	Testing Protocol
15	Nitrate [mg/l]	5.12	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	1.29	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]	288	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]	0.31	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	171.42	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

Notes :-

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Bakram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000478)



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Email : marketinglab@teamtesthouse.com

TEST REPORT


Report No./ULR No. :	100000478	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Piezometer Well No. 7 [74°34'33" N 25°23'38"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000478)



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

TEST REPORT

Report No./ULR No. :	TC502523100000479	Date :	04-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Arajil No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Piezometer Well No. 8 [74°34'42" N 25°23'53"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 04-04-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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]	1.5	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.82	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	641.51	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

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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
9	Total Dissolved Solids [mg/l]	1486	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	105.66	IS 3025 (Part 40) : 1991 RA 2019
11	Magnesium [mg/l]	91.71	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]	253.6	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	13.88	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	0.73	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]	492.5	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]	0.29	IS 13428 (Annexure H)
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019

Note:

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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]	264.15	IS 3025 (Part 40) : 1991 RA 2019
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)
32	Total coliform [MPN/100ml]	Not detected	IS 1622 : 1981
33	E. Coli [MPN/100ml]	Not detected	IS 5887 (Part 1) : 1976 RA 2018
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

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Balram

Senior Analyst

Rajesh Maheshwari
Authorized Signatory

(Report No: TC502523100000479)



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TEST REPORT

Report No./ULR No. :	100000479	Date :	04-04-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills, Village : Pur, Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Piezometer Well No. 8 [74°34'42" N 25°23'53"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 04-04-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: 100000479)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : WL/22-23/MAR01
Date : 24-03-2023
Issued to : Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S
Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills
, Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),
Type of Unit : Mines
Type of Sample : Water Level Measurement
Date of Measurement : 13-03-2023
Date of Receipt : 17-03-2023
Water Level Measured By : Banwari Lal

RESULTS

S.No	Location	Water Level in Meters BGL
1	Piezowell No. 1 (Nr. Tailing Filter Press)	48.64
2	Piezowell No. 2 (OB Dump Yard Nr. Gate No. 5)	12.57
3	Piezowell No. 3 (Nr. Mines Office - Suras)	13.27
4	Piezowell No. 4 (Nr. OB Dump Yard - Suras Mines)	5.69
5	Piezowell No. 5 (Nr. Mines Office - Dhulkheda - N)	6.15
6	Piezowell No. 6 (Nr. OB Dump Yard - Dhulkheda - N)	11.25
7	Piezowell No. 7 (Nr. Vista Office - Dhulkheda - S)	6.97
8	Piezowell No. 8 (Nr. OB Dump Yard - Dhulkheda - S)	7.32

Note: -

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Balram Agarwal
Senior Analyst


Purnan Maji Yogi
Authorized Signatory



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : WL/22-23/MAR01
Date : 24-03-2023
Issued to : Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S
Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills
, Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),
Type of Unit : Mines
Type of Sample : Water Level Measurement
Date of Measurement : 13-03-2023
Date of Receipt : 17-03-2023
Water Level Measured By : Banwari lal

RESULTS

S.No	Location	Water Level in Meters BGL
1	Piezowell No. 1 (Nr. Tailing Filter Press)	48.64
2	Piezowell No. 2 (OB Dump Yard Nr. Gate No. 5)	12.57
3	Piezowell No. 3 (Nr. Mines Office - Suras)	13.27
4	Piezowell No. 4 (Nr. OB Dump Yard - Suras Mines)	5.69
5	Piezowell No. 5 (Nr. Mines Office - Dhulkheda - N)	6.15
6	Piezowell No. 6 (Nr. OB Dump Yard - Dhulkheda - N)	11.25
7	Piezowell No. 7 (Nr. Vista Office - Dhulkheda - S)	6.97
8	Piezowell No. 8 (Nr. OB Dump Yard - Dhulkheda - S)	7.32

Note: -

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

TEST REPORT

Report No./ULR No. :	TC502523100000480	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tiranga Pit [74°32'13" N 25°19'26"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	7.99	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	1171.43	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]	248.86	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	1927	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	350.48	IS 3025 (Part 40) : 1991 RA 2019

Note:

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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
11	Magnesium [mg/l]	71.74	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	0.03	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	2.10	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	991.67	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	21.88	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	1.22	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]	0.45	IS 3025 (Part 49) : 1994 RA 2019
21	Alkalinity - T [mg/l]	163.2	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]	0.66	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	5	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
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	876.2	IS 3025 (Part 40) : 1991 RA 2019

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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
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]	Not Detected	IS 1622 : 1981
35	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000480)



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TEST REPORT

Report No./ULR No. :	100000480	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines.
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tiranga Pit [74°32'13" N 25°19'26"E]	Date of Receipt :	16-03-2023
Date of Test/Analysis :	16-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: 100000480)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523100000481	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Arajli No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Dhulkhera Pit (74°34'31"N, 25°23'48"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
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	8.11	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	1104.76	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]	354.15	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	2445	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	228.57	IS 3025 (Part 40) : 1991 RA 2019

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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
11	Magnesium [mg/l]	129.59	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	0.03	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	0.36	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	1250.0	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	18.90	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	1.74	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]	211.2	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]	0.93	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	4	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
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	571.42	IS 3025 (Part 40) : 1991 RA 2019

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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
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]	Not Detected	IS 1622 : 1981
35	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000481)



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TEST REPORT

Report No./ULR No. :	100000481	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Dhulkhera Pit (74°34'31"N, 25°23'48"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000481)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523100000482	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Suras Pit (74°34'9"N,25°23'31"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Bhupendra Nainwaya
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]	7.40	IS 3025 (Part 10) : 1984 RA 2017
5	pH	7.83	IS 3025 (Part 11) : 1983 RA 2017
6	Hardness (total) [mg/l]	1276.19	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]	287.15	IS 3025 (Part 32) : 1988 RA 2019
9	Total Dissolved Solids [mg/l]	1898	IS 3025 (Part 16) : 1984 RA 2017
10	Calcium [mg/l]	320	IS 3025 (Part 40) : 1991 RA 2019

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Rajesh Maneshwan



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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
11	Magnesium [mg/l]	115.7	IS 3025 (Part 46) : 1994 RA 2019
12	Copper [mg/l]	0.02	IS 3025 (Part 42) : 1992 RA 2019
13	Manganese [mg/l]	2.12	IS 3025 (Part 59) : 2006 RA 2017
14	Sulphate [mg/l]	1216.67	IS 3025 (Part 24) : 1986 RA 2019
15	Nitrate [mg/l]	20.48	IS 3025 (Part 34) : 1988 RA 2019
16	Fluoride [mg/l]	1.38	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]	172.8	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]	0.98	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	27	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
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019
30	Calcium Hardness [mg/l]	800	IS 3025 (Part 40) : 1991 RA 2019

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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
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]	Not Detected	IS 1622 : 1981
35	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000482)



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

TEST REPORT

Report No./ULR No. :	100000482	Date :	29-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Suras Pit (74°34'9"N,25°23'31"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Bhupendra Nainwaya
Unit's representative :	Mr Shitanshu Pandey	Condition of Sample :	Fit for testing


RESULTS

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

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 100000482)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523600000477	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Pur	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	52.9	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	44.7	IS 9989	45

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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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: TC502523600000477)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC50252360000483	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Arajai No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Dariba Village	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	50.0	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	40.2	IS 9989	45

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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Purnima
Senior Analyst


Banwari Lal Kumawat
Authorized Signatory
(Report No: TC50252360000483)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523600000481	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Kanoli Village	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	49.9	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	38.8	IS 9989	45

Notes :-

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Purnan Mal Yogi
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523600000481)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC50252360000480	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Near Gandhisagar Park Bhilwa	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	53.2	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	44.8	IS 9989	45

Notes :-

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Gurun Mahayogi
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC50252360000480)



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TEST REPORT

Report No./ULR No. :	TC50252360000478	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Samodi	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	51.5	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	41.5	IS 9989	45

Notes :-

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Purah Mal Yogi
Purah Mal Yogi
Senior Analyst

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No: TC50252360000478)



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TEST REPORT

Report No./ULR No. :	TC50252360000482	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Dhulkhera Village	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	54.1	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	43.2	IS 9989	45

Notes :-

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Pawan Mal Yogi
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC50252360000482)



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TEST REPORT

Report No./ULR No. :	TC502523600000479	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Suras	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	54.5	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	44.6	IS 9989	45

Notes :-

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Purnima Yogi
Senior Analyst


H. S. Chohan
Authorized Signatory
(Report No: TC502523600000479)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC50252360000484	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Raw Material Storage Yard	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	59.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	51.2	IS 9989	65

Notes :-

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Purnan Mal Yogi
Senior Analyst


Rajesh Waleshwan
Authorized Signatory
(Report No: TC50252360000484)



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TEST REPORT

Report No./ULR No. :	TC50252360000485A	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Dhulkhera Pit (About 10 meter distance of Loading Point) [74°34'34" N 25°23'38"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	61.6	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.2	IS 9989	65

Notes :-

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Puran
Puran Maheshwar
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC50252360000485A)



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TEST REPORT

Report No./ULR No.:	TC502523600000486	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Suras Pit (About 10 meter distance of loading point) [74°34'10" N 25°23'25"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	61.4	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	51.6	IS 9989	65

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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Puran Mal Yogi
Senior Analyst

Authorized Signatory
(Report No: TC502523600000486)



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TEST REPORT

Report No./ULR No. :	TC50252360000487	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Tiranga Pit (10.0m of Loading Point) [74°32'11" N 25°19'28"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	58.3	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	50.7	IS 9989	65

Notes :-

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Purni Mal Yogi
Senior Analyst

Banwari Lal Kumawat
Authorized Signatory
(Report No: TC50252360000487)



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TEST REPORT

Report No./ULR No. :	TC502523600000488	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	16-03-2023
Point of Collection :	Tata Blue Scope Shed	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	58.6	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	49.4	IS 9989	65

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
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502523600000488)



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TEST REPORT

Report No./ULR No.:	TC50252360000490	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Filter Fresh Building	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	60.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	50.8	IS 9989	65

Notes :-

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Parag Mehta
Senior Analyst Yogi


Rajesh Maheshwan
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TEST REPORT

Report No./ULR No. :	TC50252360000491	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araji No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near BFN CCR Building	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	67.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	57.4	IS 9989	65

Notes :-

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Purni Mal Yogi
Senior Analyst

Rajesh Maheshwan
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TEST REPORT

Report No./ULR No. :	TC50252360000493	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.- 631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	14-03-2023
Point of Collection :	Lack View Lawn	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	62.7	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	55.5	IS 9989	65

Notes :-

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Punit K. Yogi
Senior Analyst


Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC50252360000489	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited., Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	16-03-2023
Point of Collection :	Near Crusher (CCR Building)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) : Leq [dB(A)]	66.4	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	55.2	IS 9989	65

Notes :-

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Senior Analyst
Purni Mal Yogi

Authorized Signatory
Rajesh Malleshwar
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TEST REPORT

Report No./ULR No. :	TC502523600000492	Date :	30-03-2023
Issued To :	Dhedwas Iron Ore Mines & BFN Plant (ML No.-631/05) M/S Jindal Saw Limited,, Araj No. 9697/6711, Near Tiranga Hills ,Village : Pur ,Tehsil & District-Bhilwara (Raj.) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	16-03-2023
Point of Collection :	Temple Area	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 30-03-2023	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
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	Noise Level (Day Time) :Leq [dB(A)]	61.9	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.2	IS 9989	65

Notes :-

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