



VIBRANT TECHNO LAB PVT. LTD.

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TEST REPORT

TC-16019

Sample Number : VTL/AA/01

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°19'28" & 74°32'3"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 08:00 TO 08:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	74.43	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	33.47	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	19.84	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.33	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.79	mg/m ³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m ³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	8.08	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.30	µg/m ³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m ³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m ³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m ³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	302	µg/m ³	--



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Corporate & Registered Office:

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1. The Result Listed refer only to the tested sample and applicable parameters.
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Sample Number : VTL/AA/01

Report No. : VTL/A/2512170001/A

*BDL-Below Detection Limit, **DL:-Detection Limit

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AA/02

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dhulkhera Pit
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°23'32" & 74°34'25"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 09:45 TO 09:45 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	70.05	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	25.42	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	17.56	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	10.38	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.71	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	10.57	µg/m³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	10.03	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	256	µg/m³	--



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TEST REPORT

Sample Number : **VTL/AA/02**

TC-16019

Report No. : VTL/A/2512170002/A

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TEST REPORT

TC-16019

Sample Number : VTL/AA/03

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Suras Pit
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/03
Coordinates : 25°26'23" & 74°34'39"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 09:45 TO 09:45 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	67.54	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.66	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	15.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.44	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.85	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	12.23	µg/m³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	12.11	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	310	µg/m³	-



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TC-16019

Sample Number : VTL/AA/03

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TEST REPORT

TC-16019

VIBRANT

Sample Number : VTL/AA/04

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Samodi Village
Sample Collected By : VTL Team
Instrument Code : VTLRDS/FPS/04
Coordinates : 25°21'3" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	66.14	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	25.85	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	15.12	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.44	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.61	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	10.16	µg/m³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	9.69	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	250	µg/m³	--



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Sample Number : VTL/AA/04

Report No. : VTL/A/2512170004/A

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TEST REPORT

TC-16019

Sample Number : VTL/AA/05

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.- 631/05), Near Tiranga Hill, Village-Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dariba Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°20'21" & 74°31'35"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 10:20 TO 10:20 Hrs.
Ambient Temperature (°C) : Min. 24°C Max. 32°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	70.91	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	23.73	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	14.63	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	10.06	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDR)	0.65	mg/m ³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m ³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	11.61	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.30	µg/m ³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m ³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m ³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m ³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	268	µg/m ³	--



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Sample Number : VTL/AA/05

Report No. : VTL/A/2512170005/A

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TEST REPORT

TC-16019

VIBRANT

Sample Number : VTL/AA/06

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170006/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Pur Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°20'21" & 74°31'35"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 10:40 TO 10:40 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	72.12	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.36	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	16.91	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	9.96	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.78	mg/m ³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m ³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	10.78	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.65	µg/m ³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m ³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m ³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m ³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	267	µg/m ³	--



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/06

Report No. : VTL/A/2512170006/A

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TEST REPORT

TC-16019

Sample Number : VTL/AA/07

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170007/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Kanoli Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°16'13" & 74°36'10"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 11:00 TO 11:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	65.17	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.69	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	15.93	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.44	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.72	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	13.47	µg/m³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	13.15	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	312	µg/m³	--



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TEST REPORT

TC-16019

VIBRANT

Sample Number : VTL/AA/07

Report No. : VTL/A/2512170007/A

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/08

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.- 631/05), Near Tiranga Hill, Village-Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170008/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Lake View Lawn
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/03
Coordinates : 25°19'34" & 74°32'33"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 09:10 TO 09:10 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 28°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	70.08	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.78	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	19.67	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.86	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.81	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	15.55	µg/m³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	9.34	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	279	µg/m³	--



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/08

Report No. : VTL/A/2512170008/A

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/09

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170009/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Gandhisagar Park
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°20'10" & 74°38'57"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025 To 13/12/2025
Time of Monitoring : 09:30 TO 09:30 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 27°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	82.36	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.29	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	20.98	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	13.45	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.99	mg/m³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	16.17	µg/m³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.30	µg/m³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	362	µg/m³	--



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/09

Report No. : VTL/A/2512170009/A

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TEST REPORT

TC-16019

Sample Number : VTL/AA/10

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512170010/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Temple Area
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°19'10" & 74°32'6"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025 To 13/12/2025
Time of Monitoring : 09:40 TO 09:40 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 27°C
Surrounding Activity : Human, Vehicular & Plant Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	78.10	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.71	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	23.09	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	14.30	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 method (NDIR)	0.76	mg/m ³	4
6	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA 2022	*BDL (**DL 1.0)	µg/m ³	5
7	Ammonia (as NH3)	IS 5182 (P-25)-2018	8.08	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	7.61	µg/m ³	180
9	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BDL (**DL 0.02)	µg/m ³	1
10	Arsenic (as As)	VTL/STP/02/STP/09	*BDL (**DL 0.5)	ng/m ³	6
11	Nickel (as Ni)	IS 5182 (P-26) : 2020	*BDL (**DL 5.0)	ng/m ³	20
12	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BDL (**DL 0.2)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	271	µg/m ³	--



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TEST REPORT

VIBRANT
Sample Number : VTL/AA/10

TC-16019

Report No. : VTL/A/2512170010/A

*BDL-Below Detection Limit, **DL-Detection Limit

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Page No. 2/2



VIBRANT

Sample Number : VTL/S/01

Name & Address of the Party : M/S Jindal Saw Ltd.



TC-16019

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TEST REPORT

Report No. : VTL/S/2512170001/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 24/12/2025

Period of Analysis : 17/12/2025-24/12/2025

Receipt Date : 17/12/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : DG Set 1010 KVA
 Sample Collected By : VTL Team
 Date of Sampling : 11/12/2025
 Sampling duration (Minutes) : 33 min. (10:00 to 10:33 hrs.)
 Stack attached to : DG Set
 Make of stack : SS
 Diameter of stack(m) : 225 MM
 Height of stack(m) : 20.0 M
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 25°C
 Temperature of Stack Gases - Ts (°C) : 129°C
 Velocity of Stack Gases (m/sec.) : 9.71
 Flow rate of PM (LPM) : 31
 Flow rate of Gas (LPM) : 2.0
 Sampling condition : OK
 Protocol used : IS 11255 & USEPA
 Coordinates : 25°19'9" & 74°32'20"

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	48.94	mg/Nm3	75
2	Sulphur Dioxide (SO2)	IS: 11255(P- 2): 1985, RA.2019	10.37	mg/Nm3	--
3	Oxide of Nitrogen (NOX))	IS 11255 (P- 7) 2005; RA 2017	96.33	mg/Nm3	710
4	Carbon Monoxide (CO)	USEPA 10: 1996	24.74	mg/Nm3	150

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/S/01

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/S/2512170001/B

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 24/12/2025

Period of Analysis : 17/12/2025-24/12/2025

Receipt Date : 17/12/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : DG Set 1010 KVA
Sample Collected By : VTL Team
Date of Sampling : 11/12/2025
Sampling duration (Minutes) : 33 min. (10:00 to 10:33 hrs.)
Stack attached to : DG Set
Make of stack : SS
Diameter of stack(m) : 225 MM
Height of stack(m) : 20.0 M
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 25°C
Temperature of Stack Gases - Ts (°C) : 129°C
Velocity of Stack Gases (m/sec.) : 9.71
Flow rate of PM (LPM) : 31
Flow rate of Gas (LPM) : 2.0
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : 25° 19'9" & 74° 32'20"

S.No.	Parameters	Test Method	Results	Units	Limits
1	Non Methane Hydrocarbon (NMHC)	IS:5182 (P-21), Based On GC, RA:2012	18.4	mg/Nm3	100.0

End of Report



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VIBRANT
Sample Number : VTL/FD/01



TC-16019

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TEST REPORT

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/FD/2512170001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Raw Material Storage Yard (Nr. Weigh Bridge)
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : 25°19'10" & 74°32'5"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP-01	354	µg/m ³

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TEST REPORT

Sample Number : VTL/FD/02

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/FD/2512170002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Haul Road Nr. Gate No.5
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Coordinates : 25°20'2" & 74°32'42"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025
Time of Monitoring : 10:30 TO 18:30 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 28°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP-01	516	µg/m3

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VIBRANT

Sample Number : VTL/FD/03



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TEST REPORT

Report No. : VTL/FD/2512170003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Name & Address of the Party : Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Crusher Unit Nr. Centre Work Shop
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : 25°19'1" & 74°32'3"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP-01	488	µg/m ³

End of Report



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VIBRANT

Sample Number : VTL/FD/04



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TEST REPORT

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Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/FD/2512170004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Screening Area- Crusher
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Coordinates : 25°19'10" & 74°32'11"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025
Time of Monitoring : 09:00 TO 17:00 Hrs.
Ambient Temperature (°C) : Min. 25°C Max. 33°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP-01	560	µg/m ³

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Sample Number : VTL/FD/05



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Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/FD/2512170005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 24/12/2025
Period of Analysis : 17/12/2025-24/12/2025
Receipt Date : 17/12/2025

Sample Description : Fugitive Dust Emission Monitoring

General Information :-

Sampling Location : Waste Dump Storage
Sample Collected By : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Coordinates : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Method of Sampling : Lab STP: VTL/STP/02
Sampling Duration : 8 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Methods	Results	Units
1	Suspended Particulate Matter (as SPM)	VTL/STP/02/STP-01	546	µg/m3

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/01

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : Dhulkhera Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1601925000001061F
Report No. : VTL/W/2512170001/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°24'7" & 74°35'42"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.41	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	505	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	101	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	503	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	298	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	61.48	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1503	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	175	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.93	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	44.96	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.51	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number: VTL/GW/01

TC-16019

ULR No. : TC1601925000001061F
Report No. : VTL/W/2512170001/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.68	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	299.40	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/01

TC-16019

ULR No. : TC1601925000001061F

Report No. : VTLW/2512170001/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

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TEST REPORT

VIBRANT

Sample Number : VTL/GW/01

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : Dhulkhera Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170001/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°24'7" & 74°35'42"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 ; P-68 ; 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

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TEST REPORT

VIBRANT
Sample Number: VTL/GW/02

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001062F
Report No. : VTLW/2512170002/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'16" & 74°33'40"

Sample Description : Water Sample
Sampling Location : Suras Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.39	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21); 2009, RA 2019	414	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	89.06	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	382	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	223	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	46.61	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1048	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	91.26	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.78	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	30.31	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.33	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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5. Retention period of sample will be 30 days.



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001062F

Sample Number : VTL/GW/02

Report No. : VTLW/2512170002/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.52	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	222	mg/L	--	--



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Lab Incharge
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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/02

ULR No. : TC1601925000001062F

Report No. : VTLW/2512170002/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report




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TEST REPORT

VIBRANT

Sample Number : VTL/GW/02

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : Suras Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170002/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'16" & 74°33'40"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/03

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001063F
Report No. : VTLW/2512170003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°23'16" & 74°33'40"

Sample Description : Water Sample
Sampling Location : Pur Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.24	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	323	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	97.15	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	332	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	323	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	19.59	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1015	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	75.73	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.00	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	40.42	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.42	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number: VTL/GW/03

TC-16019

ULR No. : TC160192500001063F
Report No. : VTLW/2512170003/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.59	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	242.39	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/03

TC-16019

ULR No. : TC1601925000001063F

Report No. : VTLW/2512170003/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report




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TEST REPORT

VIBRANT

Sample Number : VTL/GW/03

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : Pur Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'16" & 74°33'40"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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Page No. 1/1

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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001064F
 Report No. : VTL/W/2512170004/A
 Format No : 7.8 F-01
 Party Reference No : NIL
 Report Date : 25/12/2025
 Period of Analysis : 17/12/2025-25/12/2025
 Receipt Date : 17/12/2025
 Sampling Date : 14/12/2025
 Sampling Type : Grab
 Sample Quantity : 2 Litr.
 Coordinates : 25°21'2" & 74°32'50"

Sample Number : VTL/GW/04

Name & Address of the Party : M/S Jindal Saw Ltd.
 Dhedwas Iron Ore Mines & Mineral Beneficiation
 Plant (ML No.- 631/05), Near Tiranga Hill, Village-
 Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
 Sampling Location : Samodi Village
 Sample Collected By : VTL Team
 Preservation : Suitable Preservation
 Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.14	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	364	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	101	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	362	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	164	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	27.22	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1050	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	94.18	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.88	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	34.61	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.38	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/04

TC-16019

ULR No. : TC160192500001064F
Report No. : VTLW/2512170004/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.51	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	252	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/04

TC-16019

ULR No. : TC1601925000001064F

Report No. : VTL/W/2512170004/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/04

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : Samodi Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170004/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory

Corporate & Registered Office:

Plot No. Q-39, Shringarpura, Narayan Vihar Q,
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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/05

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC160192500001065F

Report No. : VTLW/2512170005/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'11" & 74°38'57"

Sample Description : Water Sample
Sampling Location : Gandhisagar Park
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.38	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	566	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	159	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	543	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	447	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	41.14	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1750	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	191.27	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.96	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	39.66	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.35	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001065F

Sample Number : VTL/GW/05

Report No. : VTLW/2512170005/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.48	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	397	mg/L	--	--



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Lab Incharge
Authorized Signatory



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/05

ULR No. : TC1601925000001065F

Report No. : VTLW/2512170005/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/05

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : Gandhisagar Park

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170005/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'11" & 74°38'57"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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Lab Incharge

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/06

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhillwara Rajasthan

ULR No. : TC160192500001066F

Report No. : VTL/W/2512170006/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Sample Description : Water Sample

Sampling Location : Kanoli Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Coordinates : 25°16'12" & 74°36'10"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.42	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	556	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	146	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	573	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	357	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	46.59	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1577	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	180.59	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.94	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	32.08	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.37	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT

TC-16019

ULR No.

: TC1601925000001066F

Sample Number : VTL/GW/06

Report No.

: VTLW/2512170006/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.62	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	364.27	mg/L	--	--



Checked by



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Lab Incharge
Authorized Signatory



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/06

TC-16019

ULR No. : TC1601925000001066F

Report No. : VTL/W/2512170006/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report




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TEST REPORT

VIBRANT

Sample Number : VTL/GW/06

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : Kanoli Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170006/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°16'12" & 74°36'10"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit, **DL:- Detection Limit

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory

Corporate & Registered Office:

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/07

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001067F

Report No. : VTL/W/2512170007/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'26" & 74°31'37"

Sample Description : **Water Sample**
Sampling Location : Dariba Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.15	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	465	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	121	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	503	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	288	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	39.63	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1356	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	132.04	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.96	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	34.10	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.42	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/07

TC-16019

ULR No. : TC1601925000001067F
Report No. : VTL/W/2512170007/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.74	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	302	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/07

TC-16019

ULR No. : TC1601925000001067F

Report No. : VTLW/2512170007/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/07

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhiwara Rajasthan

Sample Description : Water Sample

Sampling Location : Dariba Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170007/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'26" & 74°31'37"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/08

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : BFN Plant- Ground Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001068F

Report No. : VTL/W/2512170008/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'06" & 74°32'16"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.35	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	384	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	105	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	382	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	154	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	30.87	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1124	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	73.79	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.86	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	29.05	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.34	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/08

TC-16019

ULR No. : TC1601925000001068F
Report No. : VTLW/2512170008/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.45	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	261.98	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/08

TC-16019

ULR No. : TC1601925000001068F

Report No. : VTL/W/2512170008/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/08

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : BFN Plant- Ground Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2512170008/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'06" & 74°32'16"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/09

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001069F

Report No. : VTL/W/2512170009/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 1 (Nr. Trailing Filter Press)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Coordinates : 25°19'05" & 74°32'15"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.15	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	545	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	154	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	563	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	437	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	39.07	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1500	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	151.46	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.91	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	40.42	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.39	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

Sample Number : VTL/GW/09

TC-16019

ULR No. : TC1601925000001069F
Report No. : VTLW/2512170009/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.59	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	384.23	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/09

TC-16019

ULR No. : TC1601925000001069F

Report No. : VTL/W/2512170009/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/09

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhiwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 1 (Nr. Trailing Filter Press)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2512170009/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'05" & 74°32'15"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/10

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 2 (OB Dump Yard Nr. Gate No. 5)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001070F

Report No. : VTL/W/2512170010/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'13" & 74°33'12"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.36	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	505	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	138	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	513	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	387	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	39.05	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1718	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	170	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.09	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	36.88	mg/L	45.0	No Relaxation
16-	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.78	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/10

TC-16019

ULR No. : TC1601925000001070F
Report No. : VTLW/2512170010/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.55	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	344.31	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/10

TC-16019

ULR No. : TC1601925000001070F

Report No. : VTLW/2512170010/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/10

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 2 (OB Dump Yard Nr. Gate No. 5)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2512170010/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'13" & 74°33'12"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit, **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/11

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 3 (Nr. Mines Office- Suras)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC160192500001071F

Report No. : VTL/W/2512170011/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'12" & 74°33'11"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.24	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	485	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	121	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	502	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	233.26	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	44.49	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1625	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	163	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.07	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	29.30	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.42	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/11

TC-16019

ULR No. : TC1601925000001071F
Report No. : VTL/W/2512170011/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.50	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation.
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	301.90	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/11

TC-16019

ULR No. : TC1601925000001071F

Report No. : VTL/W/2512170011/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/11

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 3 (Nr. Mines Office- Suras)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170011/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'12" & 74°33'11"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



Checked by 



RK Yadav
Lab Incharge
Authorized Signatory 

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TEST REPORT

VIBRANT

Sample Number : VTL/GW/12

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 04 (Nr.OB Dump Yard - Suras Mines)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001072F

Report No. : VTL/W/2512170012/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'12" & 74°33'11"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.39	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	434	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	113	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	432	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	273	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	36.95	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1310	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	134	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023.	1.02	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	37.13	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.48	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/12

TC-16019

ULR No. : TC1601925000001072F

Report No. : VTL/W/2512170012/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.45	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	281.94	mg/L	--	--



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/12

ULR No. : TC1601925000001072F
Report No. : VTL/W/2512170012/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/12

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 04 (Nr.OB Dump Yard - Suras Mines)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170012/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'12" & 74°33'11"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

TC-16019

VIBRANT

Sample Number : VTL/GW/13

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001073F
Report No. : VTLW/2512170013/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°26'29" & 74°34'33"

Sample Description : Water Sample
Sampling Location : PiezoWell No. - 05 (Nr.Mines Office - Dhulkheda-N)
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.41	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	505	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	142	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	553	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	293	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	36.62	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1707	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	170	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.19	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	34.61	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.57	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(**DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/13

TC-16019

ULR No. : TC1601925000001073F

Report No. : VTLW/2512170013/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.49	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	354.29	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/13

TC-16019

ULR No. : TC1601925000001073F

Report No. : VTL/W/2512170013/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/13

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 05 (Nr.Mines Office - Dhulkheda-N)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170013/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°26'29" & 74°34'33"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

TC-16019

VIBRANT

Sample Number : VTL/GW/14

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.-: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC160192500001074F
Report No. : VTL/W/2512170014/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°24'40" & 74°35'07"

Sample Description : Water Sample
Sampling Location : PiezoWell No.- 06 (Nr. OB Dump Yard -
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.24	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	414	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	113	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	513	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	188	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	32.09	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1256	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	125.25	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.11	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	29.55	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.47	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/14

TC-16019

ULR No. : TC160192500001074F
Report No. : VTLW/2512170014/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.59	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	281.94	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/14

TC-16019

ULR No. : TC1601925000001074F

Report No. : VTLW/2512170014/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

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TEST REPORT

VIBRANT

Sample Number : VTL/GW/14

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : PiezoWell No.- 06 (Nr. OB Dump Yard -
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170014/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°24'40" & 74°35'07"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

TC-16019

VIBRANT

Sample Number : VTL/GW/15

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.-: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : PiezoWell No.- 07 (Nr. Vista Office - Dhulkheda-S)
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1601925000001075F
Report No. : VTLW/2512170015/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'32" & 74°34'25"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.12	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	384	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	121	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	432	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	238	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	19.95	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1203	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	112	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.03	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	25.77	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.52	mg/L	1.0	No Relaxation
17	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001075F

Sample Number : VTL/GW/15

Report No. : VTLW/2512170015/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.62	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	301.90	mg/L	--	--



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/GW/15

ULR No. : TC1601925000001075F

Report No. : VTLW/2512170015/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/15

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 07 (Nr. Vista Office - Dhulkheda-S)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2512170015/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 14/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'32" & 74°34'25"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT
Sample Number : VTL/GW/16

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample
Sampling Location : PiezoWell No.- 08 (Nr. OB Dump Yard -
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1601925000001076F
Report No. : VTLW/2512170016/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'53" & 74°34'38"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS 3025(P- 11): 2022	7.48	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL**(DL-1)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL**(DL-1)	NTU	1	5
4	Odour	IS : 3025 (P-5) : 2018	Agreeable	--	Agreeable	Agreeable
5	Taste	IS :3025 (P-8): 2023	Agreeable	--	Agreeable	Agreeable
6	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	525	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	125	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	523	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	377	mg/L	250	1000
10	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL**(DL-0.02)	mg/L	0.05	No Relaxation
11	Magnesium (as Mg)	IS: 3025 (P-46): 2023	51.79	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1510	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	170	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.13	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P-34 : Sec 1 : 2023 (Clause 6.4)	33.34	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.47	mg/L	1.0	No Relaxation
17.	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL**(DL-0.03)	mg/L	0.03	0.2
18	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL**(DL-0.2)	mg/L	0.5	2.4



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TEST REPORT

Sample Number: **VTL/GW/16**

TC-16019

ULR No. : TC160192500001076F

Report No. : VTLW/2512170016/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
19	Total Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	No Relaxation
20	Phenolic Compounds (C6H5OH)	APHA 24th Edition, 5530C: 2023	*BDL(**DL-0.001)	mg/L	0.001	0.002
21	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.72	mg/L	5.0	15.0
22	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
23	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
25	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
26	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
29	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
30	E.Coli	IS 15185: 2016 RA 2021	Not Detected	cfu/100 ml	Shall not be detectable in any 100 ml sample	--
31	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
32	Calcium Hardness	IS: 3025 (P-40): 2009, RA 2019	311.88	mg/L	--	--



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/16

TC-16019

ULR No. : TC1601925000001076F

Report No. : VTLW/2512170016/A

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/16

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : PiezoWell No.- 08 (Nr. OB Dump Yard -

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2512170016/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 15/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°23'53" & 74°34'38"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
2	Anionic Detergents (as MBAS)	IS 3025 : P-68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
3	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,5175/6630 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
4	Total Pesticides	APHA 24th Edition-6630, 8141A 2017	*BDL(**DL-0.01)	µg/L	-	-

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number: VTL/SW/17

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1601925000001077F
Report No. : VTL/W/2512170017/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'10" & 74°31'47"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.41	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BDL(**DL-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1294	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	397	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	136.90	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	492	mg/L
7	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(**DL-5.0)	mg/L
8	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	495	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	121.44	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	46.66	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.94	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	5.87	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	11.28	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Presnt	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.39	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.60	mg/L
17	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L
18	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L
19	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L
20	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
21	E Coli	IS :15185 : 2016 RA 2021	Present	cfu/100ml
22	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL- 0.2)	mg/L
23	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001077F

Report No. : VTL/W/2512170017/A

Sample Number: VTL/SW/17

S.No.	Test Parameters	Test Method	Results	Unit
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
26	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
27	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
28	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/SW/17

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2512170017/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'10" & 74°31'47"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 2023	Un Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL- 0.2)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.73	mg/L
6	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
7	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(**DL- 0.03)	mg/L
8	Total Pesticides	USEPA 8081 B & 8141B 2007 Rev.-2	*BDL(**DL- 0.01)	µg/L
9	Calcium Hardness (as CaCO3)	IS: 3025 (P-40) : 2024	303	mg/L
10	Anionic Detergents (MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL- 0.05)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/SW/18

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Dhulkhera Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001078F

Report No. : VTL/W/2512170018/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 15/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°23'47" & 74°34'41"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.26	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BDL(**DL-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1553	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	347	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	152	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	472	mg/L
7	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(**DL-5.0)	mg/L
8	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	454	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	113	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	41.55	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.74	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	9.66	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	9.68	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Presnt	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.42	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.58	mg/L
17	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L
18	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L
19	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L
20	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
21	E Coli	IS :15185 : 2016 RA 2021	Present	cfu/100ml
22	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL- 0.2)	mg/L
23	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001078F

Sample Number : VTL/SW/18

Report No. : VTL/W/2512170018/A

S.No.	Test Parameters	Test Method	Results	Unit
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
26	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
27	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
28	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

Sample Number: **VTL/SW/18**

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: - 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Dhulkhera Pit
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170018/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'47" & 74°34'41"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 2023	Un Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL- 0.2)	mg/L
5	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.96	mg/L
6	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
7	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(**DL- 0.03)	mg/L
8	Total Pesticides	USEPA 8081 B & 8141B 2007 Rev.-2	*BDL(**DL- 0.01)	µg/L
9	Calcium Hardness (as CaCO ₃)	IS: 3025 (P-40) : 2024	281.94	mg/L
10	Anionic Detergents (MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL- 0.05)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number: VTL/SW/19

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001079F
Report No. : VTL/W/2512170019/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'30" & 74°34'07"

Sample Description : SURFACE WATER
Sampling Location : Suras Pit
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.18	-
2	Turbidity	IS : 3025 (P- 10) : 2023	*BDL(**DL-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1374	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	273	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	76.22	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	432	mg/L
7	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(**DL-5.0)	mg/L
8	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	404	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	101	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	36.94	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.66	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	12.19	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	7.48	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Presnt	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.38	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.46	mg/L
17	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L
18	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L
19	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L
20	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
21	E Coli	IS :15185 : 2016 RA 2021	Present	cfu/100ml
22	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL- 0.2)	mg/L
23	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L



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TEST REPORT

VIBRANT

Sample Number: VTL/SW/19

TC-16019

ULR No. : TC1601925000001079F

Report No. : VTL/W/2512170019/A

S.No.	Test Parameters	Test Method	Results	Unit
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
26	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
27	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
28	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

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TEST REPORT

VIBRANT

Sample Number: VTL/SW/19

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Suras Pit
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2512170019/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'30" & 74°34'07"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 2023	Un Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL- 0.2)	mg/L
5	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.97	mg/L
6	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
7	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(**DL- 0.03)	mg/L
8	Total Pesticides	USEPA 8081 B & 8141B 2007 Rev.-2	*BDL(**DL- 0.01)	µg/L
9	Calcium Hardness (as CaCO ₃)	IS: 3025 (P-40) : 2024	252	mg/L
10	Anionic Detergents (MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL- 0.05)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT
Sample Number: VTL/SW/20

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Kothari River
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1601925000001080F
Report No. : VTL/W/2512170020/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'49" & 74°33'16"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.34	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BDL(**DL-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	614	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	124	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	43.50	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	201	mg/L
7	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(**DL-5.0)	mg/L
8	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	253	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	80.96	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	12.39	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.57	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	19.32	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	4.36	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Presnt	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.43	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.51	mg/L
17	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L
18	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L
19	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L
20	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
21	E Coli	IS :15185 : 2016 RA 2021	Present	cfu/100ml
22	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL- 0.2)	mg/L
23	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000001080F

Report No. : VTL/W/2512170020/A

Sample Number: VTL/SW/20

S.No.	Test Parameters	Test Method	Results	Unit
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
26	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
27	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
28	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT

Sample Number: VTL/SW/20

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Kothari River
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2512170020/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°23'49" & 74°33'16"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 2023	Un Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL- 0.2)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.90	mg/L
6	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
7	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(**DL- 0.03)	mg/L
8	Total Pesticides	USEPA 8081 B & 8141B 2007 Rev.-2	*BDL(**DL- 0.01)	µg/L
9	Calcium Hardness (as CaCO3)	IS : 3025 (P-40) : 2024	202	mg/L
10	Anionic Detergents (MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL- 0.05)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT
Sample Number: VTL/SW/21

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No. :- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Meja Dam
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1601925000001081F
Report No. : VTL/W/2512170021/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°24'18" & 74°33'3"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.41	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BDL(**DL-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	510	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	79	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	27.96	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	181	mg/L
7	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(**DL-5.0)	mg/L
8	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	202	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	60.72	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	12.27	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.30	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	13.01	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	5.35	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Presnt	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.29	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.45	mg/L
17	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L
18	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L
19	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L
20	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
21	E Coli	IS :15185 : 2016 RA 2021	Present	cfu/100ml
22	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL- 0.2)	mg/L
23	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC160192500001081F
Report No. : VTLW/2512170021/A

Sample Number: VTL/SW/21

S.No.	Test Parameters	Test Method	Results	Unit
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
26	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
27	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
28	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT

Sample Number: VTL/SW/21

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Meja Dam
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2512170021/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 15/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°24'18" & 74°33'3"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 2023	Un Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL- 0.2)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.93	mg/L
6	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
7	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(**DL- 0.03)	mg/L
8	Total Pesticides	USEPA 8081 B & 8141B 2007 Rev.-2	*BDL(**DL- 0.01)	µg/L
9	Calcium Hardness (as CaCO3)	IS: 3025 (P-40) : 2024	152	mg/L
10	Anionic Detergents (MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL- 0.05)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT
Sample Number: VTL/SW/22

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.-: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001016F
Report No. : VTLW/2512170022/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°21'2" & 74°32'50"

Sample Description : SURFACE WATER
Sampling Location : Samodi Pond
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.26	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BDL(**DL-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	650	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	144	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	50.49	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	261	mg/L
7	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(**DL-5.0)	mg/L
8	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	273	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	72.87	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	22.16	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.93	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	10.29	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	13.96	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Presnt	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.33	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.42	mg/L
17	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L
18	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L
19	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L
20	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
21	E Coli	IS :15185 : 2016 RA 2021	Present	cfu/100ml
22	Boron (as B)	APHA 24th Edition 4500B-C : 2023	*BDL(**DL- 0.2)	mg/L
23	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L



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TEST REPORT

VIBRANT

Sample Number: VTL/SW/22

TC-16019

ULR No. : TC1601925000001016F

Report No. : VTLW/2512170022/A

S.No.	Test Parameters	Test Method	Results	Unit
24	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
25	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
26	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
27	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
28	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

End of Report



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TEST REPORT

VIBRANT

Sample Number: VTL/SW/22

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Samodi Pond
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170022/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 14/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 2023	Un Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL- 0.2)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	0.75	mg/L
6	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
7	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(**DL- 0.03)	mg/L
8	Total Pesticides	USEPA 8081 B & 8141B 2007 Rev.-2	*BDL(**DL- 0.01)	µg/L
9	Calcium Hardness (as CaCO3)	IS: 3025 (P-40) : 2024	182	mg/L
10	Anionic Detergents (MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL- 0.05)	mg/L

*BLQ Blow limit of Quantification **LOQ Limit of Quantification

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TEST REPORT

Sample Number: VTL/WL/01-08
Name & Address of the Party: M/s Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plat (ML No.:-631/05), Tiranga Hill, Village- Pur, Tehsil & District - Bhilwara, Rajasthan

Report No.: VTL/WL/ 2512170001-08/B
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 24/12/2025

Sample Collected By: VTL Team
Sample Description: Ground Water Level Monitoring

Receipt Date: 17/12/2025
Date of Monitoring: 15-16/12/2025

S.No.	Location	Depth (In meter)
1.	Piezometer Well No.-01 (Nr. Tailing Filter Press)	12.75
2.	Piezometer Well No.-02 (OB Dump Yard Nr. Gate No. 5)	5.48
3.	Piezometer Well No.-03 (Old Mines Office- Suras)	10.89
4.	Piezometer Well No.-04 (Nr. OB Dump Yard - Suras Mines)	8.42
5.	Piezometer Well No.-05 (Nr. Weigh Bridge - Dhulkheda-N)	5.05
6.	Piezometer Well No.-06 (Nr. OB Dump Yard Dhulkheda-N)	7.62
7.	Piezometer Well No.-07 (Nr. Mines Office - Dhulkheda -S)	4.29
8.	Piezometer Well No.-08 (Nr. OB Dump Yard - Dhulkheda - S)	3.87

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TEST REPORT

VIBRANT

Sample Number : VTLW/23

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.: 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Tailing Filter Recycling Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001017F

Report No. : VTLW/2512170023/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 13/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.39	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1132	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	85.45	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	34.90	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.83	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	6.90	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	12.0	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	40	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.85	mg/L
10	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.2)	mg/L
11	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
12	Ammonical Nitrogen (as NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	4.78	mg/L
13	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
14	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
15	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
16	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
17	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
18	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
19	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
20	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
21	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	10.43	mg/L



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TEST REPORT

ULR No. : TC160192500001017F
Report No. : VTLW/2512170023/A

VIBRANT

TC-16019

Sample Number : VTLW/23

S.No.	Test Parameters	Test Method	Results	Unit
22	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.01)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTLW/23

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : Tailing Filter Recycling Water
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170023/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 13/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	0.37	mg/L
3	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
4	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
5	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL- 4.0)	mg/L
6	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	24.27	mg/L
7	Free Ammonia (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BLQ(**LOQ- 0.5)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTLW/24

Name & Address of the Party : M/S Jindal Saw Ltd.

TC-16019

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

ULR No. : TC1601925000001018F
Report No. : VTLW/2512170024/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 13/12/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°19'20" & 74°32'18"

Sample Description : SURFACE WATER
Sampling Location : Tailing Pond
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.28	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	904	mg/L
3	Sulphate as (SO ₄)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	50.49	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	50	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.51	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	7.10	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	11.50	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	30	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.62	mg/L
10	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.2)	mg/L
11	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
12	Ammonical Nitrogen (as NH ₃ -N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	2.53	mg/L
13	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
14	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
15	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
16	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
17	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
18	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
19	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
20	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
21	Nitrate Nitrogen (as NO ₃)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	22.87	mg/L



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TEST REPORT

ULR No. : TC1601925000001018F

Report No. : VTLW/2512170024/A

VIBRANT

Sample Number : VTLW/24

TC-16019

S.No.	Test Parameters	Test Method	Results	Unit
22	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.01)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/W/24

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Tailing Pond

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2512170024/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 13/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'20" & 74°32'18"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	0.73	mg/L
3	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
4	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
5	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL- 4.0)	mg/L
6	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	31.25	mg/L
7	Free Ammonia (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BLQ(**LOQ- 0.5)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTLW/25

TC-16019

ULR No. : TC1601925000001019F
Report No. : VTLW/2512170025/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 13/12/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'34" & 74°32'38"

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: - 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : STP Incoming / Reservoir Water
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.44	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1397	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	65.05	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	52.60	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.78	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	6.50	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	14.50	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	40	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.71	mg/L
10	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.2)	mg/L
11	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
12	Ammonical Nitrogen (as NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	5.35	mg/L
13	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
14	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
15	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
16	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
17	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
18	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
19	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
20	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
21	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	20.52	mg/L



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TEST REPORT

VIBRANT

Sample Number : VTL/W/25

TC-16019

ULR No. : TC1601925000001019F

Report No. : VTL/W/2512170025/A

S.No.	Test Parameters	Test Method	Results	Unit
22	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.01)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTLW/25

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: - 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : STP Incoming / Reservoir Water
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170025/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 13/12/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°19'34" & 74°32'38"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	0.37	mg/L
3	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
4	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
5	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL- 4.0)	mg/L
6	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	34.28	mg/L
7	Free Ammonia (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BLQ(**LOQ- 0.5)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/W/26

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Silt Arresting Tank

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001020F

Report No. : VTL/W/2512170026/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 13/12/2025

Sampling Type : Grab

Sample Quantity : 2 Lltr.

Coordinates : 25°18'58" & 74°32'24"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.15	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	790	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	37.67	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	17.70	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.92	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	6.90	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	10.50	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	40	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.59	mg/L
10	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.2)	mg/L
11	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
12	Ammonical Nitrogen (as NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	1.41	mg/L
13	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
14	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
15	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
16	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
17	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
18	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
19	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
20	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
21	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	12.53	mg/L



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TEST REPORT

VIBRANT

Sample Number : VTLW/26

TC-16019

ULR No. : TC1601925000001020F

Report No. : VTLW/2512170026/A

S.No.	Test Parameters	Test Method	Results	Unit
22	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.01)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTLW/26

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Silt Arresting Tank

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2512170026/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 13/12/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°18'58" & 74°32'24"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	1.10	mg/L
3	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
4	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
5	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL- 4.0)	mg/L
6	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	18.92	mg/L
7	Free Ammonia (as NH ₃)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.5)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

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TEST REPORT

Sample Number : VTL/W/27

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.: - 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : BFN Recycling Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000001021F

Report No. : VTL/W/2512170027/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/12/2025

Period of Analysis : 17/12/2025-25/12/2025

Receipt Date : 17/12/2025

Sampling Date : 13/12/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'10" & 74°32'18"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.39	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	901	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	54.37	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	51.30	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.71	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	5.20	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	15.50	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	50	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.51	mg/L
10	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.2)	mg/L
11	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
12	Ammonical Nitrogen (as NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	4.78	mg/L
13	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
14	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
15	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
16	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
17	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
18	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
19	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
20	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL- 0.05)	mg/L
21	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	16.34	mg/L



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TEST REPORT

ULR No. : TC1601925000001021F

Report No. : VTLW/2512170027/A

Sample Number : VTLW/27

S.No.	Test Parameters	Test Method	Results	Unit
22	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.01)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTLW/27

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : SURFACE WATER
Sampling Location : BFN Recycling Water
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2512170027/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/12/2025
Period of Analysis : 17/12/2025-25/12/2025
Receipt Date : 17/12/2025
Sampling Date : 13/12/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°19'10" & 74°32'18"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	0.73	mg/L
3	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
4	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
5	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL- 4.0)	mg/L
6	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	25.64	mg/L
7	Free Ammonia (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.5)	mg/L

*BDL:- Below Detection Limit , **DL:- Detection Limit

End of Report



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Page No. 1/1

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/04

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512300004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 05/01/2026

Period of Analysis : 30/12/2025-05/01/2026

Receipt Date : 30/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°18'60" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/12/2025 To 28/12/2025
Time of Monitoring : 10:40 TO 10:40 Hrs.
Ambient Temperature (°C) : Min. 09°C Max. 17°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	70.26	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	30.67	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	17.87	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	9.83	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.69	mg/m ³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	321	µg/m ³	--

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AA/03

Report No. : VTL/A/2512300003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 05/01/2026
Period of Analysis : 30/12/2025-05/01/2026
Receipt Date : 30/12/2025

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Samodi Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/12/2025 To 27/12/2025
Time of Monitoring : 11:20 TO 11:20 Hrs.
Ambient Temperature (°C) : Min. 09°C Max. 17°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	68.34	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.47	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	16.07	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	10.36	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.77	mg/m ³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	324	µg/m ³	--

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AA/02

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512300002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 05/01/2026
Period of Analysis : 30/12/2025-05/01/2026
Receipt Date : 30/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dhulkheda Pit
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°23'32" & 74°34'25"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/12/2025 To 28/12/2025
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 09°C Max. 18°C
Surrounding Activity : Human, Vehicular & Mining Act.
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	74.61	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.47	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	18.33	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.51	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.72	mg/m ³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	305	µg/m ³	--

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/AA/01

Name & Address of the Party : M/S Jindal Saw Ltd.

Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2512300001/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 05/01/2026

Period of Analysis : 30/12/2025-05/01/2026

Receipt Date : 30/12/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Suras Pit
 Sample Collected By : VTL Team
 Instrument Code : VTL/RDS/FPS/01
 Coordinates : 25°23'24" & 74°34'12"
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 26/12/2025 To 27/12/2025
 Time of Monitoring : 08:30 TO 08:30 Hrs.
 Ambient Temperature (°C) : Min. 09°C Max. 19°C
 Surrounding Activity : Human, Vehicular & Mining Act.
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006 RA 2022	72.53	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.51	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	16.18	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2): Sec 1 : 2023	10.54	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.84	mg/m ³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	328	µg/m ³	--

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/01

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.-: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170001/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Pur Village
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°18'0" & 74°32'21"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	48.7	39.5

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/02

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170002/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Samodi Village
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°21'3" & 74°32'52"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	49.8	40.3

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/03

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170003/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Suras Village
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 25°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°23'124" & 74°34'11"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	49.1	38.7

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/04

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170004/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Gandhisagar park
Instrument Code : VTL/SLM/04
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/12/2025 To 11/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 24°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°20'11" & 74°38'57"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	50.4	39.2

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/05

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170005/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Kanoli Village
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°20'11" & 74°38'57"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	47.5	37.1

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Corporate & Registered Office:

Plot No. Q-39, Shringarpura, Narayan Vihar Q,
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TEST REPORT

TC-16019

VIBRANT
Sample Number : VTL/AN/06

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170006/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Dhulkhera Village
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 26°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°24'4" & 74°35'40"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	47.4	37.1

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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TEST REPORT

TC-16019

Sample Number : VTL/AN/07

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/N/2512170007/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

General Information:-

Sampling Location : Dariba Village
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 28°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°21'01" & 74°31'40"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	50.2	39.8

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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TEST REPORT

TC-16019

Sample Number : VTL/AN/08

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170008/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Raw material Storage yard
Instrument Code : VTL/SLM/04
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/12/2025 To 12/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 28°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'20" & 74°32'18"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	52.7	39.4

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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TEST REPORT

TC-16019

Sample Number : VTL/AN/09

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170009/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : 10 mtr. Distance From Loading point Suras Pit
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025 To 13/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 26°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°23'23" & 74°34'11"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	58.5	46.2

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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TEST REPORT

TC-16019

Sample Number : VTL/AN/10

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170010/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : 10 mtr. Distance From Loading Dhulkheda Pit
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025 To 13/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 25°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°23'41" & 74°34'38"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	59.3	47.5

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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End of Report



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Lab Incharge
Authorized Signatory



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TEST REPORT

VIBRANT
Sample Number : VTL/AN/11

TC-16019

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/N/2512170011/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

General Information:-

Sampling Location : 10 mtr. Distance From Loading Tiranga Pit
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025 To 13/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 25°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'20" & 74°32'18"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	62.5	50.2

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/12

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170012/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Nr. Central Store/ Tata Blue Shed
Instrument Code : VTL/SLM/04
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/12/2025 To 13/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'9" & 74°32'10"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	55.8	42.3

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

- Day Time is from 6.00 AM to 10.00 PM.
 - Night Time is reckoned between 10.00 PM to 6.00 AM.
 - Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
- Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



Checked by



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Authorized Signatory



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TEST REPORT

TC-16019

Sample Number : VTL/AN/13

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village- Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170013/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Nr. Crusher (CCR Building)
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/12/2025 To 14/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 25°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'16" & 74°32'11"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	60.5	48.1

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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TEST REPORT

TC-16019

Sample Number : VTL/AN/14

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/N/2512170014/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

General Information:-

Sampling Location : Filter Fresh Building
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/12/2025 To 14/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 26°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'08" & 74°32'21"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	52.8	40.6

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Corporate & Registered Office:

Plot No. Q-39, Shringarpura, Narayan Vihar Q,
Bhankrota, Jaipur 302026 (Raj.)

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www.vibranttechnolab.com

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TEST REPORT

TC-16019

Sample Number : VTL/AN/15

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.- 631/05), Near Tiranga Hill, Village-Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170015/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Nr. BFN CCR Building
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/12/2025 To 14/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 27°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'10" & 74°32'18"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	61.9	45.3

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/16

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation Plant (ML No.:- 631/05), Near Tiranga Hill, Village-Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170016/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Lake View Lawn
Instrument Code : VTL/SLM/04
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/12/2025 To 14/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 26°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'10" & 74°32'18"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	52.8	40.5

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

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End of Report



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TEST REPORT

TC-16019

Sample Number : VTL/AN/17

Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2512170017/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/12/2025
Receipt Date : 17/12/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Temple Area
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/12/2025 To 15/12/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 12°C Max. 26°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°18'56" & 74°32'10"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	52.9	43.6

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

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