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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/2506130001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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 : 06/06/2025 To 07/06/2025
Time of Monitoring : 07:30 TO 07:30 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	78.68	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	41.18	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	20.50	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.08	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.89	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	7.19	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.96	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	324.38	µg/m ³	--



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Corporate & Registered Office:

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

Terms & Conditions:

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TEST REPORT

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Sample Number : VTL/AA/01

Report No. : VTL/A/2506130001/A

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

End of Report




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TEST REPORT

Report No. : VTL/A/2506130002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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 : Dhulkhera Pit
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°23'32" & 74°34'25"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2025 To 07/06/2025
Time of Monitoring : 08:00 TO 08:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	70.52	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	33.76	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	19.37	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.44	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.77	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	11.75	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.36	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	281.58	µg/m ³	--



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Corporate & Registered Office:

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TEST REPORT

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IC-16019

Sample Number : VTL/AA/02

Report No. : VTL/A/2506130002/A

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

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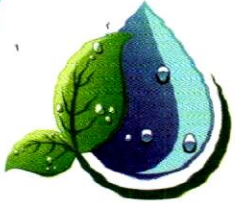


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VIBRANT

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



TC-16019

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TEST REPORT

Report No. : VTL/A/2506130003/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

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 : 06/06/2025 To 07/06/2025
 Time of Monitoring : 09:00 TO 09:00 Hrs.
 Ambient Temperature (°C) : Min. 29°C Max. 42°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	74.50	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	41.84	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	22.90	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	13.91	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.95	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	14.94	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	14.04	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	318.66	µg/m ³	--



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Sample Number : VTL/AA/03

Report No. : VTL/A/2506130003/A

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TEST REPORT

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/2506130004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Samodi Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°21'3" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2025 To 07/06/2025
Time of Monitoring : 09:30 TO 09:30 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	66.43	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.77	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	19.40	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	10.86	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.68	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	10.33	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	9.26	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	239.19	µg/m ³	--



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Sample Number : VTL/AA/04



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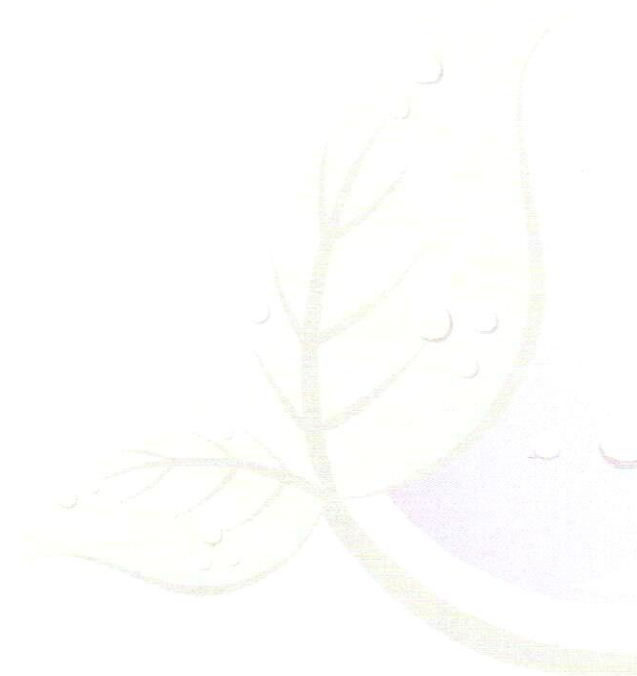
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TEST REPORT

Report No. : VTL/A/2506130004/A

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VIBRANT

Sample Number : VTLAA/05



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/A/2506130005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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 : 07/06/2025 To 08/06/2025
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	65.12	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.65	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	16.95	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	9.72	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	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	12.32	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	9.26	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	263.76	µg/m ³	--



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Page No. 1/2

Corporate & Registered Office:

Plot No. Q-39, Shringarpura, Narayan Vihar Q,
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4. Authenticity of Test Report and Accreditation status may be seen online through QR Code.
5. Retention period of sample will be 30 days only, any query beyond 30 days will not be entertained.



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Sample Number : VTL/AA/05



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TEST REPORT

Report No.

: VTL/A/2506130005/A

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End of Report



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Page No. 2/2

Corporate & Registered Office:

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

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5. Retention period of sample will be 30 days only, any query beyond 30 days will not be entertained.



VIBRANT

Sample Number : VTL/AA/06



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/A/2506130006/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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°18'22" & 74°32'20"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	71.56	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.04	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	20.29	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	10.96	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (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	10.92	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	8.36	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	270.08	µg/m ³	--



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VIBRANT

Sample Number : VTL/AA/06



TC-16019

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: VTL/A/2506130006/A

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Sample Number : VTL/AA/07



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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/A/2506130007/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Kanoli Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/03
Coordinates : 25°16'13" & 74°36'10"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 10:15 TO 10:15 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	61.55	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.20	µg/m ³	60
3	Nitrogen Dioxide (as NO ₂)	IS:5182 (P- 6)-2006 RA 2022	17.15	µg/m ³	80
4	Sulphur Dioxide (as SO ₂)	IS 5182 (P- 2) : Sec 1 : 2023	11.96	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.74	mg/m ³	4
6	Benzene (as C ₆ H ₆)	IS 5182 (P-11)-2006 RA 2022	*BDL(**DL-1.0)	µg/m ³	5
7	Ammonia (as NH ₃)	IS 5182 (P-25)-2018	14.35	µg/m ³	400
8	Ozone (as O ₃)	IS 5182 (P-9):1974, RA.2019	12.54	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	300.32	µg/m ³	--



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: VTL/A/2506130007/A

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VIBRANT

Sample Number : VTL/AA/08



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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/A/2506130008/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Lake View Lawn
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°19'34" & 74°32'33"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 10:30 TO 10:30 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 42°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	66.30	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.03	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	20.96	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.86	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA, 2019 (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	15.50	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	9.85	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	286.89	µg/m ³	--



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Sample Number : VTL/AA/08



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Report No. : VTL/A/2506130008/A

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TEST REPORT

TC-16019

VIBRANT

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/2506130009/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

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 : 08/06/2025 To 09/06/2025
 Time of Monitoring : 8:30 TO 8:30 Hrs.
 Ambient Temperature (°C) : Min. 29°C Max. 42°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	74.94	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	40.34	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	22.41	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	16.98	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	1.05	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	15.50	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	7.76	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	378.89	µg/m ³	--



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Sample Number : VTL/AA/09



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Sample Number : VTL/AA/10



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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/A/2506130010/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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°19'1" & 74°32'6"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2025 To 09/06/2025
Time of Monitoring : 8:45 TO 8:45 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 43°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	71.79	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	40.68	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	26.19	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	15.43	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (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	8.33	µg/m ³	400
8	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	6.27	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-0.02)	ng/m ³	1
13	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	245.03	µg/m ³	--



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Sample Number : VTL/AA/10



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Report No. : VTL/A/2506130010/A

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TEST REPORT

VIBRANT

Sample Number : VTL/S/01

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/S/2506130001/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : DG Set 1010 KVA
Sample Collected By : VTL Team
Date of Sampling : 06/06/2025
Sampling duration (Minutes) : 38 min. (10:00 to 10:38 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) : 30°C
Temperature of Stack Gases - Ts (°C) : 142°C
Velocity of Stack Gases (m/sec.) : 8.48
Flow rate of PM (LPM) : 26
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	55.73	mg/Nm3	75
2	Sulphur Dioxide (SO ₂)	IS: 11255(P- 2): 1985, RA.2019	18.36	mg/Nm3	--
3	Oxide of Nitrogen (NOX))	IS 11255 (P- 7) 2005; RA 2017	102.86	mg/Nm3	710
4	Total Hydrocarbon (HC)	USEPA 18: 1996	15.08	mg/Nm3	--
5	Carbon Monoxide (CO)	USEPA 10: 1996	33.92	mg/Nm3	150

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TEST REPORT

VIBRANT

Sample Number : VTL/FD/01

TC-16019

M/S Jindal Saw Ltd.

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

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

Report No. : VTL/FD/2506130001/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

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 : 06/06/2025
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 42°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	348.58	µg/m3

End of Report



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VIBRANT

Sample Number : VTL/FD/02



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/2506130002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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 : 06/06/2025
Time of Monitoring : 10:30 TO 18:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 42°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	520.81	µg/m3

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TEST REPORT

TC-16019

VIBRANT
Sample Number : VTL/FD/03

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/2506130003/A
Format No : 7:8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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 : 07/06/2025
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 44°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	506.89	µg/m3

End of Report



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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/FD/04

M/S Jindal Saw Ltd.

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

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

Report No. : VTL/FD/2506130004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

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/01
 Coordinates : 25°19'10" & 74°32'11"
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2025
 Time of Monitoring : 9:00 TO 17:00 Hrs.
 Ambient Temperature (°C) : Min. 32°C Max. 45°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	543.07	µg/m3

End of Report



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TEST REPORT

VIBRANT
Sample Number : VTL/FD/05

TC-16019

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/2506130005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025

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 : 09/06/2025
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 34°C Max. 45°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	556.69	µg/m3

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/03

TC-16019

ULR No. : TC1601925000000528F

Report No. : VTL/W/2506130003/A

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

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	7.28	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	391.40	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	109.40	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	366.83	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	337.39	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	28.78	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1102	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	89.95	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)	43.78	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.54	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. : TC160192500000528F

Report No. : VTL/W/2506130003/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.69	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	272.95	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/03

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



TC-16019

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TEST REPORT

ULR No. : TC1601925000000528F

Report No. : VTLW/2506130003/A

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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/2506130003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°23'16" & 74°33'40"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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- Bhilwara Rajasthan

Sample Description : Water Sample

Sampling Location : Dariba Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC160192500000532F

Report No. : VTLW/2506130007/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°20'26" & 74°31'37"

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	7.18	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	494.40	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	134.17	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	537.68	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	324.90	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	38.79	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1540	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	174.16	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.0	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	38.39	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.56	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. : TC1601925000000532F

Report No. : VTL/W/2506130007/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	1.01	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	334.76	mg/L	--	--



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TC-16019

VIBRANT

Sample Number : VTL/GW/07

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

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TEST REPORT

ULR No. : TC160192500000532F

Report No. : VTL/W/2506130007/A

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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- Bhilwara 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/2506130007/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°20'26" & 74°31'37"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24thEdition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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 Jindai 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

ULR No. : TC160192500000531F

Report No. : VTL/W/2506130006/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

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	7.73	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	592.25	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	179.58	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	577.88	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	399.88	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	35.04	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1740	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	209.57	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.08	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	41.56	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.45	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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VIBRANT

Sample Number : VTL/GW/06

TC-16019

ULR No. : TC160192500000531F

Report No. : VTL/W/2506130006/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.73	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	448.05	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/06

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



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TEST REPORT

ULR No. : TC160192500000531F

Report No. : VTL/W/2506130006/A

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Page No. 3/3

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. : VTLW/2506130006/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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VIBRANT

Sample Number : VTL/GW/05

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



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TEST REPORT

ULR No. : TC160192500000530F

Report No. : VTL/W/2506130005/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

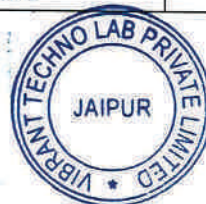
Coordinates : 25°20'11" & 74°38'57"

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	7.61	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	578.1	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	189.90	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	592.95	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	449.86	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	36.29	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1864	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	228.71	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.14	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	46.32	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.41	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. : TC160192500000530F

Sample Number : VTL/GW/05

Report No. : VTLW/2506130005/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.61	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	473.80	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/05

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



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TEST REPORT

ULR No. : TC160192500000530F

Report No. : VTLW/2506130005/A

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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/2506130005/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/04

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 : Samodi Village
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC160192500000529F
Report No. : VTL/W/2506130004/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Lltr.
Coordinates : 25°21'2" & 74°32'50"

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	7.46	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	365.65	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	99.08	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	356.77	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	174.95	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	28.78	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1150	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	104.31	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.05	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	40.61	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/04

TC-16019

ULR No. : TC160192500000529F

Report No. : VTL/W/2506130004/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.66	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	247.21	mg/L	--	--



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TC-16019

VIBRANT

Sample Number : VTL/GW/04

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

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TEST REPORT

ULR No. : TC1601925000000529F

Report No. : VTL/W/2506130004/A

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

Report No. : VTL/W/2506130004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°21'2" & 74°32'50"

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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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

Sample Description : Water Sample

Sampling Location : Suras Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC160192500000527F

Report No. : VTL/W/2506130002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°23'16" & 74°33'40"

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	7.61	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	489.25	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	119.72	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	417.08	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	262.42	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	46.30	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1213	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	118.66	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)	38.39	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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TEST REPORT

VIBRANT

Sample Number : VTL/GW/02

TC-16019

ULR No. : TC160192500000527F

Report No. : VTLW/2506130002/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.57	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	298.70	mg/L	--	--



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TC-16019

VIBRANT

Sample Number : VTL/GW/02

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

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TEST REPORT

ULR No. : TC1601925000000527F

Report No. : VTL/W/2506130002/A

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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/2506130002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°23'16" & 74°33'40"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition, 6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B& 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/GW/01

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 : Dhulkhera Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC160192500000526F

Report No. : VTL/W/2506130001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	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-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	561.35	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	134.17	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	537.68	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	387.38	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	55.06	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1653.10	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	189.47	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.08	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	54.25	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.65	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. : TC160192500000526F

Report No. : VTL/W/2506130001/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.81	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	334.76	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/01



TC-16019

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TEST REPORT

ULR No. : TC1601925000000526F

Report No. : VTL/W/2506130001/A

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

End of Report



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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/2506130001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B& 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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 Jindai Saw Ltd.

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

ULR No. : TC160192500000533F

Report No. : VTL/W/2506130008/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'06" & 74°32'16"

Sample Description : Water Sample
Sampling Location : BFN Plant- Ground Water
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	7.53	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	417.15	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	123.85	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	402.0	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	174.95	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	26.28	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1170	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	94.74	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.97	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	32.04	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.41	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. : TC160192500000533F

Report No. : VTL/W/2506130008/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.57	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	309.01	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/08

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



TC-16019

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TEST REPORT

ULR No. : TC160192500000533F

Report No. : VTL/W/2506130008/A

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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

Report No. : VTLW/2506130008/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'06" & 74°32'16"

Sample Description : Water Sample
Sampling Location : BFN Plant- Ground Water
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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2017	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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 : PiezoWell No.- 1 (Nr. Trailing Filter Press)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC160192500000534F

Report No. : VTL/W/2506130009/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

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	7.71	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	592.25	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	175.45	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	592.95	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	449.86	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	37.54	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1570	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	171.29	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)	44.73	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.45	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

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TC-16019

ULR No. : TC1601925000000534F

Sample Number : VTL/GW/08

Report No. : VTL/W/2506130009/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.71	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	437.75	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/08

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



TC-16019

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TEST REPORT

ULR No. : TC160192500000534F

Report No. : VTL/W/2506130009/A

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2506130009/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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

ULR No. : TC160192500000535F

Report No. : VTL/W/2506130010/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.68	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	561.35	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	167.19	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	552.75	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	424.87	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	35.04	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1774	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	200.0	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.22	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	41.88	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.89	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

Sample Number : VTL/GW/10

ULR No. : TC1601925000000535F

Report No. : VTL/W/2506130010/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.67	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	417.14	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/10

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



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TEST REPORT

ULR No. : TC1601925000000535F

Report No. : VTL/W/2506130010/A

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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. : VTL/W/2506130010/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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TEST REPORT

VIBRANT

TC-16019

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. : TC1601925000000536F

Report No. : VTL/W/2506130011/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.43	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	551.05	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	146.55	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	537.68	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	287.41	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	45.05	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1654	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	183.73	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.18	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	34.58	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/11

TC-16019

ULR No. : TC160192500000536F

Report No. : VTL/W/2506130011/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition :3111 B, 2023	0.64	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition :3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition :3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition :3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition :3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition :3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition :3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition :3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	365.64	mg/L	--	--



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Sample Number : VTL/GW/11

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



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ULR No. : TC1601925000000536F

Report No. : VTL/W/2506130011/A

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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/2506130011/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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

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. : TC160192500000537F

Report No. : VTL/W/2506130012/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

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	7.72	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	468.65	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	134.17	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	467.33	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	287.41	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	32.54	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1354	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	145.45	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.12	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	44.10	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.63	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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RK Yadav
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TEST REPORT

VIBRANT

Sample Number : VTL/GW/12

TC-16019

ULR No. : TC1601925000000537F

Report No. : VTL/W/2506130012/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.51	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	334.76	mg/L	--	--



Checked by



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Lab Incharge
Authorized Signatory



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VIBRANT

Sample Number : VTL/GW/12

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



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TEST REPORT

ULR No. : TC1601925000000537F

Report No. : VTLW/2506130012/A

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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/2506130012/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°20'12" & 74°33'11"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



Checked by



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Page No. 1/1



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



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TEST REPORT

ULR No. : TC160192500000538F

Report No. : VTL/W/2506130013/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	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-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	556.20	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	156.87	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	582.90	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	337.39	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	40.05	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1754	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	228.71	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.38	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	40.93	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.75	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

Sample Number : VTL/GW/13

ULR No. : TC1601925000000538F

Report No. : VTL/W/2506130013/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.59	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	391.39	mg/L	--	--



Checked by



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Lab Incharge
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VIBRANT

Sample Number : VTL/GW/13

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



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TEST REPORT

ULR No. : TC1601925000000538F

Report No. : VTL/W/2506130013/A

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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. : VTLW/2506130013/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Lltr.

Coordinates : 25°26'29" & 74°34'33"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

*BDL-Below Detection of 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/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

ULR No. : TC160192500000539F

Report No. : VTLW/2506130014/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	pH (at 25°C)	IS 3025(P- 11): 2022	7.25	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	442.90	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	140.36	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	527.62	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	249.92	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	22.53	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1284	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	142.58	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.28	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	40.93	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.59	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. : TC160192500000539F

Report No. : VTLW/2506130014/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.73	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	350.20	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/14

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



TC-16019

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TEST REPORT

ULR No. : TC1601925000000539F

Report No. : VTL/W/2506130014/A

End of Report



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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/2506130014/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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Page No. 1/1



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.- 07 (Nr. Vista Office - Dhulkheda-S)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025



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TEST REPORT

ULR No. : TC1601925000000540F

Report No. : VTL/W/2506130015/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	7.51	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	432.60	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	140.36	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	457.28	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	262.42	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	20.02	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1218	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	133	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.15	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	32.36	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.61	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. : TC160192500000540F

Report No. : VTL/W/2506130015/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.69	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	350.20	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/14



TC-16019

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TEST REPORT

ULR No. : TC1601925000000540F

Report No. : VTL/W/2506130015/A

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

End of Report



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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.- 07 (Nr. Vista Office - Dhulkheda-S)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2506130015/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Lltr.

Coordinates : 25°23'32" & 74°34'25"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

End of Report



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VIBRANT

Sample Number : VTL/GW/16

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

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TEST REPORT

ULR No. : TC160192500000541F

Report No. : VTL/W/2506130016/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Lltr.

Coordinates : 25°23'53" & 74°34'38"

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

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	7.71	--	6.5 to 8.5	No Relaxation
2	Colour	IS : 3025:(P-4) 2021	*BDL(**DL-1.0)	Hazen	5	15
3	Turbidity	IS : 3025: (P-10) 2023	*BDL(**DL-1.0)	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	576.80	mg/L	200	600
7	Calcium (as Ca)	IS: 3025 (P- 40): 2024	142.42	mg/L	75	200
8	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 2023	542.70	mg/L	200	600
9	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	412.37	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	53.81	mg/L	30	100
12	Total Dissolved Solids	IS :3025 (P-16): 2023	1578	mg/L	500	2000
13	Sulphate (as SO4)	IS: 3025 (P-24): Sec 1 : 2022	198.09	mg/L	200	400
14	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.22	mg/L	1.0	1.5
15	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	41.88	mg/L	45.0	No Relaxation
16	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.56	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/16

TC-16019

ULR No. : TC160192500000541F

Report No. : VTL/W/2506130016/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	Mineral Oil	IS 3025 (P-39) 2021	*BDL(**DL-0.5)	mg/L	0.5	No Relaxation
22	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.89	mg/L	5.0	15.0
23	Copper (as Cu)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.02)	mg/L	0.05	1.5
24	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.05)	mg/L	0.1	0.3
25	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.002)	mg/L	0.003	No Relaxation
26	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
27	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
28	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL-0.005)	mg/L	0.01	No Relaxation
29	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL-0.001)	mg/L	0.001	No Relaxation
30	Total Coliform	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
31	E.Coli	IS 15185: 2016 RA 2021	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
32	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(**DL-0.2)	mg/L	0.2	1.0
33	Calcium Hardness	IS: 3025 (P-21): 2009, RA 2019	355.34	mg/L	--	--



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VIBRANT

Sample Number : VTL/GW/16

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



TC-16019

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TEST REPORT

ULR No. : TC1601925000000541F

Report No. : VTL/W/2506130016/A

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. : VTL/W/2506130016/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
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	Anionic Detergents (as MBAS)	IS 3025 : P 68 : 2019	*BDL(**DL-0.05)	mg/L	0.2	1.0
2	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 24th Edition,6640 2023	*BDL(**DL-0.0001)	mg/L	0.0001	No relaxation
3	Total Pesticides	USEPA 8081 B & 8141 B 2007	*BDL(**DL-0.01)	µg/L	-	-

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

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TEST REPORT

Sample Number: VTL/WL/01-08 Report No.: VTL/WL/2506130001-08/B
Name & Address of the Party: M/s Jindal Saw Ltd. Format No.: 7.8 F-01
Dhedwas Iron Ore Mines & Mineral Beneficiation Plat (ML No.:-631/05), Party Reference No.: NIL
Tiranga Hill, Village- Pur, Tehsil & District - Bhilwara, Rajasthan Report Date: 18/06/2025
Sample Collected By: VTL Team Receipt Date: 13/06/2025
Sample Description: Ground Water Level Monitoring Date of Monitoring: 11/06/2025

S.No.	Location	Depth (In meter)
1.	Piezometer Well No.-01 (Nr. Tailing Filter Press)	32.5
2.	Piezometer Well No.-02 (OB Dump Yard Nr. Gate No. 5)	9.8
3.	Piezometer Well No.-03 (Old Mines Office- Suras)	14.7
4.	Piezometer Well No.-04 (Nr. OB Dump Yard - Suras Mines)	12.2
5.	Piezometer Well No.-05 (Nr. Weigh Bridge - Dhulkheda-N)	7.9
6.	Piezometer Well No.-06 (Nr. OB Dump Yard Dhulkheda-N)	12.6
7.	Piezometer Well No.-07 (Nr. Mines Office - Dhulkheda -S)	7.2
8.	Piezometer Well No.-08 (Nr. OB Dump Yard - Dhulkheda - S)	5.9

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TEST REPORT

VIBRANT

Sample Number : VTL/W/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

TC-16019

ULR No. : TC1601925000000548F
Report No. : VTL/W/2506130023/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°21'2" & 74°32'50"

Sample Description : SURFACE WATER
Sampling Location : Tailing Filter Recycling 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	7.62	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1120	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	86.60	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	34.60	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.77	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	6.9	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	11.87	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	60.29	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	1.02	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	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
13	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
14	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
15	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
16	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
17	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
18	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
19	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL 0.05)	mg/L
20	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	13.32	mg/L
21	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L



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TEST REPORT

VIBRANT

Sample Number : VTL/W/23

TC-16019

ULR No. : TC1601925000000548F

Report No. : VTL/W/2506130023/A

*BDL Blow Detection limit **DL:-Detection Limit

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/W/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. : VTL/W/2506130023/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
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)	0.71	mg/L
3	Ammonical Nitrogen (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.3)	mg/L
4	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
5	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
6	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL 4.0)	mg/L
7	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	27.58	mg/L
8	Ammonical Nitrogen (NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	6.47	mg/L

*BDL Blow 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

TC-16019

ULR No. : TC1601925000000549F
Report No. : VTL/W/2506130024/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
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	7.91	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	880	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec. 1 : 2022 (Clause 5.0)	51.87	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	54.60	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.68	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	7.27	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	13.86	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	70.34	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.72	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	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
13	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
14	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
15	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
16	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
17	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
18	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
19	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL 0.05)	mg/L
20	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	29.19	mg/L
21	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L



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VIBRANT

Sample Number : VTLW/24

*BDL Blow Detection limit **DL:-Detection Limit



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TEST REPORT

ULR No. : TC1601925000000549F

Report No. : VTL/W/2506130024/A

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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/2506130024/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
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)	0.53	mg/L
3	Ammonical Nitrogen (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.3)	mg/L
4	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
5	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
6	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL 4.0)	mg/L
7	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	6.19	mg/L
8	Ammonical Nitrogen (NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	3.66	mg/L

*BDL Blow Detection limit **DL:-Detection Limit

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TEST REPORT

VIBRANT

TC-16019

Sample Number : VTL/W/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

ULR No. : TC1601925000000550F
Report No. : VTL/W/2506130025/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'34" & 74°32'38"

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	7.28	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1510	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	72.92	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	69.20	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.11	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	8.20	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	15.28	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	60.29	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.91	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	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
13	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
14	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
15	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
16	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
17	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
18	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
19	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL 0.05)	mg/L
20	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	26.01	mg/L
21	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L



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VIBRANT

Sample Number : VTLAW/25



TC-16019

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TEST REPORT

ULR No. : TC1601925000000550F

Report No. : VTLAW/2506130025/A

*BDL Blow 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

Report No. : VTLW/2506130025/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'34" & 74°32'38"

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	Colour	IS : 3025 (P-4) : 2021	*BDL(**DL-1)	Hazen
2	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	0.89	mg/L
3	Ammonical Nitrogen (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.3)	mg/L
4	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
5	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
6	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL 4.0)	mg/L
7	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	13.79	mg/L
8	Ammonical Nitrogen (NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	7.88	mg/L

*BDL Blow 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

ULR No. : TC1601925000000551F

Report No. : VTL/W/2506130026/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°18'58" & 74°32'24"

Sample Description : SURFACE WATER
Sampling Location : Silt Arresting Tank
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	7.42	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	810	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	48.04	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	15.20	mg/L
5	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.90	mg/L
6	Dissolved oxygen (DO)	IS : 3025 (P -38) : 1989, RA 2019	7.33	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	10.67	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	40.19	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.74	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	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
13	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
14	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
15	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
16	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
17	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
18	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
19	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL 0.05)	mg/L
20	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	16.50	mg/L
21	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L



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Page No 1/2



VIBRANT

Sample Number : VTLW/26

*BDL Blow Detection limit **DL:-Detection Limit



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TEST REPORT

ULR No. : TC1601925000000551F

Report No. : VTLW/2506130026/A

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/2506130026/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

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)	0.71	mg/L
3	Ammonical Nitrogen (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.3)	mg/L
4	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
5	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
6	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL 4.0)	mg/L
7	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	27.30	mg/L
8	Ammonical Nitrogen (NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	1.97	mg/L

*BDL Blow Detection limit **DL:-Detection Limit

End of Report



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VIBRANT

Sample Number : VTLW/27

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

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ULR No. : TC1601925000000552F

Report No. : VTLW/2506130027/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'10" & 74°32'18"

Sample Description : SURFACE WATER
Sampling Location : BFN Recycling 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	7.12	--
2	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	950	mg/L
3	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	67.46	mg/L
4	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	61.20	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	5.33	mg/L
7	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	IS: 3025 (P-44) : 2023	16.29	mg/L
8	Chemical Oxygen Demand (COD)	IS : 3025 (P- 58) : 2023	70.34	mg/L
9	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.81	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	Manganese (as Mn)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.05)	mg/L
13	Lead (as Pb)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.005)	mg/L
14	Arsenic (as As)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
15	Chromium (as Cr)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.02)	mg/L
16	Cadmium (as Cd)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.002)	mg/L
17	Selenium (as Se)	APHA 24th Edition 3114 C, 2023	*BDL(**DL- 0.005)	mg/L
18	Mercury (as Hg)	APHA 24th Edition 3112B: 2023	*BDL(**DL- 0.001)	mg/L
19	Phenolic Compounds	APHA 24th Edition, 5530C: 2023	*BDL(**DL 0.05)	mg/L
20	Nitrate Nitrogen (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	27.60	mg/L
21	Nickel (as Ni)	APHA 24th Edition 3111 B, 2023	*BDL(**DL- 0.01)	mg/L



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VIBRANT

Sample Number : VTL/W/27

*BDL Blow Detection limit **DL:-Detection Limit



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TEST REPORT

ULR No. : TC1601925000000552F

Report No. : VTL/W/2506130027/A

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TEST REPORT

VIBRANT

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

Report No. : VTL/W/2506130027/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Litr.

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)	0.53	mg/L
3	Ammonical Nitrogen (as NH3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	*BDL(**DL- 0.3)	mg/L
4	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	*BDL(**DL- 0.2)	mg/L
5	Cyanide (as CN)	IS 3025 (P 27/Sec 1) :2021	*BDL(**DL- 0.02)	mg/L
6	Oil & Grease	IS : 3025 (P-39) 2021	*BDL(**DL 4.0)	mg/L
7	Total Kjeldhal Nitrogen (TKN)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 8.0)	10.41	mg/L
8	Ammonical Nitrogen (NH3-N)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 5.3)	5.91	mg/L

*BDL Blow 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/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

ULR No. : TC1601925000000545F

Report No. : VTL/W/2506130020/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°23'49" & 74°33'16"

Sample Description : SURFACE WATER
Sampling Location : Kothari River
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	7.52	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BLQ(**LOQ-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	600	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	162.45	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	52.1	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	261.30	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	298.70	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	97.01	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	13.77	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.58	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	26.33	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	6.34	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Present	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	0.49	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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Page No. 1/2



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TEST REPORT

VIBRANT

TC-16019

ULR No. : TC1601925000000545F

Report No. : VTL/W/2506130020/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

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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/2506130020/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL-0.01)	mg/L
5	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.12	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	242.04	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/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

ULR No. : TC1601925000000546F

Report No. : VTL/W/2506130021/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Lltr.

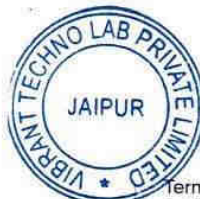
Coordinates : 25°24'18" & 74°33'3"

Sample Description : SURFACE WATER
Sampling Location : Meja Dam
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	7.34	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BLQ(**LOQ-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	591	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	94.97	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24) : Sec.1 : 2022 (Clause 5.0)	35.41	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	216.08	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	195.70	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	57.80	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	12.51	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.41	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	19.99	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	6.07	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Present	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	0.57	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. : TC1601925000000546F

Report No. : VTL/W/2506130021/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/2506130021/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL-0.01)	mg/L
5	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.12	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	144.21	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. : TC1601925000000547F

Report No. : VTL/W/2506130022/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

Sampling Type : Grab

Sample Quantity : 2 Liter

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	7.51	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BLQ(**LOQ-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	701	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	164.95	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24) : Sec.1 : 2022 (Clause 5.0)	44.50	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	296.48	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	293.55	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	80.50	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	22.53	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.01	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	10.15	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	18.45	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Present	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	0.45	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. : TC160192500000547F

Report No. : VTL/W/2506130022/A

Sample Number : VTL/SW/22

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. : VTL/W/2506130022/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL-0.01)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.03	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	200.85	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/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

ULR No. : TC1601925000000542F
Report No. : VTL/W/2506130017/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Litr
Coordinates : 25°19'10" & 74°31'47"

Sample Description : SURFACE WATER
Sampling Location : Tiranga 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	7.19	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BLQ(**LOQ-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1451	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	462.36	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	142.58	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	532.65	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	520.15	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	146.55	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	37.55	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	1.17	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	21.89	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	15.80	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Present	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.46	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.67	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/17

TC-16019

ULR No. : TC160192500000542F

Report No. : VTL/W/2506130017/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/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/2506130017/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
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	Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL-0.01)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.40	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	365.64	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

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

TC-16019

ULR No. : TC1601925000000543F
Report No. : VTL/W/2506130018/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr
Coordinates : 25°23'47" & 74°34'41"

Sample Description : SURFACE WATER
Sampling Location : Dhulkhera 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	7.51	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BLQ(**LOQ-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1681	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	399.88	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24); Sec.1 : 2022 (Clause 5.0)	171.29	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	502.50	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	504.70	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	138.30	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	38.79	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.96	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	40.93	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	12.90	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Present	cfu/100ml
15	Iron (as Fe)	APHA 24th Edition 3111 B, 2023	0.53	mg/L
16	Zinc (as Zn)	APHA 24th Edition 3111 B, 2023	0.64	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/18

TC-16019

ULR No. : TC1601925000000543F

Report No. : VTL/W/2506130018/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/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/2506130018/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
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	Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL-0.01)	mg/L
5	Phosphate (as PO ₄)	IS:3025 (P- 31) Sec 1 : 2022 (Clause 5.0)	1.12	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	345.06	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. : TC1601925000000544F

Report No. : VTL/W/2506130019/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	7.28	--
2	Turbidity	IS : 3025 (P- 10) : 2023	*BLQ(**LOQ-1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 2023	1181	mg/L
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	312.40	mg/L
5	Sulphate as (SO4)	IS: 3025 (P- 24): Sec.1 : 2022 (Clause 5.0)	94.74	mg/L
6	Total Alkalinity (as CaCO3)	IS: 3025 (P- 23) : 2023	407.03	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	432.60	mg/L
9	Calcium (as Ca)	IS : 3025 (P-40) : 2024	117.65	mg/L
10	Magnesium (as Mg)	IS : 3025 (P- 46) : 2023	33.79	mg/L
11	Fluoride (as F)	APHA 24th Edition, 4500F-D: 2023	0.80	mg/L
12	Nitrate (as NO3)	IS 3025 : P 34 : Sec 1 : 2023 (Clause 6.4)	18.72	mg/L
13	Potassium (as K)	APHA 24th Edition, 3500-K: 2023	9.96	mg/L
14	Total Coliform	IS 15185: 2016 RA 2021	Present	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	0.43	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. : TC1601925000000544F

Report No. : VTL/W/2506130019/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/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- Bhillwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Suras Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2506130019/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 11/06/2025

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	Agreeable	--
4	Residual Free Chlorine (RFC)	IS 3025 (P- 26): 2021 (Clause 7.0)	*BDL(**DL-0.01)	mg/L
5	Phosphate (as PO4)	IS:3025 (P- 31) Sec 1 :2022 (Clause 5.0)	1.12	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	293.54	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/WW/01

TC-16019

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. : TC160192500000573F
Report No. : VTL/WW/2506130001/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 18/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
Sampling Date : 10/06/2025
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°19'6" & 74°32'16"

Name & Address of the Party :

Sample Description : Waste Water
Sampling Location : 10 KLD STP Outlet - BFN Plant -A
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.37	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	24.40	mg/l	100
3	Oil & Grease	IS:3025 (P-39): 2021	*BDL(**DL-4.0)	mg/l	10
4	Residual Chlorine	IS: 3025 (P-26): 2021 (Clause 5.0)	0.54	mg/l	1
5	Ammonical Nitrogen (as NH3-N)	IS : 3025 (P-34) Sec 1 2023 (Clause 5.3)	14.35	mg/l	50
6	Total Kjeldahl Nitrogen	IS : 3025 (P-34) Sec 1 2023 (Clause 8.0)	21.67	mg/l	100
7	Nitrate Nitrogen (as NO3)	IS : 3025 (P-34) Sec 1 2023 (Clause 6.4)	8.15	mg/l	--
8	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	15.0	mg/l	30
9	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	60.29	mg/l	250
10	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA. 2019	159.95	mg/l	--
11	Sulphide (as S)	IS: 3025 (P-29) : 2022 (Clause 6.0)	0.80	mg/l	2
12	Fecal Coliform	APHA 24th Edition 9221 C ,2023	43	MPN/100 ml	---

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

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/WW/02

TC-16019

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

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : 10 KLD STP Outlet - BFN Plant -B

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1601925000000574F

Report No. : VTL/WW/2506130002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/06/2025

Period of Analysis : 13/06/2025-18/06/2025

Receipt Date : 13/06/2025

Sampling Date : 10/06/2025

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'10" & 74°32'17"

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.29	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	22.90	mg/l	100
3	Oil & Grease	IS:3025 (P-39): 2021	*BDL(**DL-4.0)	mg/l	10
4	Residual Chlorine	IS: 3025 (P-26): 2021 (Clause 5.0)	0.36	mg/l	1
5	Ammonical Nitrogen (as NH3-N)	IS : 3025 (P-34) Sec 1 2023 (Clause 5.3)	12.66	mg/l	50
6	Total Kjeldahl Nitrogen	IS : 3025 (P-34) Sec 1 2023 (Clause 8.0)	20.82	mg/l	100
7	Nitrate Nitrogen (as NO3)	IS : 3025 (P-34) Sec 1 2023 (Clause 6.4)	13.77	mg/l	--
8	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	13.50	mg/l	30
9	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	90.43	mg/l	250
10	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA. 2019	139.96	mg/l	--
11	Sulphide (as S)	IS: 3025 (P-29) : 2022 (Clause 6.0)	0.40	mg/l	2
12	Fecal Coliform	APHA 24th Edition 9221 C ,2023	38	MPN/100 ml	---

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

End of Report



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TEST REPORT

VIBRANT

Sample Number : VTL/AN/01

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/2506130001/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 : Pur Village
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2025 To 07/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 44°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	52.7	43.1

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



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VIBRANT

Sample Number : VTL/AN/02



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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

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

Report No. : VTL/N/2506130002/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 : 06/06/2025 To 07/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 44°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	53.7	43.9

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

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VIBRANT

Sample Number : VTL/AN/03



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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/N/2506130003/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 : Suras Village
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2025 To 07/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 44°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	54.1	44.8

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.

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

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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



TC-16019

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TEST REPORT

Report No. : VTL/N/2506130004/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 18/06/2025

Receipt Date : 13/06/2025

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 : 06/06/2025 To 07/06/2025

Time of Monitoring : 06:00 TO 06:00 Hrs.

Ambient Temperature (°C) : Min. 27°C Max. 44°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	53.9	41.7

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

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VIBRANT

Sample Number : VTL/AN/05



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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

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

Report No. : VTL/N/2506130005/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Kanoli Village
Instrument Code : VTL/SLM/05
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2025 To 07/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 44°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°16'11" & 74°36'10"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	51.6	40.2

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

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/2506130006/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Dhulkhera Village
Instrument Code : VTL/SLM/06
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2025 To 07/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 44°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	51.2	40.8

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

- 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



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RK Yadav
Lab Incharge
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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

Sample Description : Ambient Noise Level Monitoring

Scope of Monitoring : Regulatory Requirement

Protocol Used : IS 9989

Instrument Used : SLM



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TEST REPORT

Report No. : VTL/N/2506130007/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 18/06/2025

Receipt Date : 13/06/2025

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

General Information:-

Sampling Location : Dariba Village
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 45°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	54.2	42.6

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

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TEST REPORT

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/2506130008/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Raw Material Storage Yard
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 45°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : s 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	52.9	41.3

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.

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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

Report No. : VTL/N/2506130009/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 Point Suras Pit
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 45°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	56.4	46.3

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.

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Sample Number : VTL/AN/10



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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

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

Report No. : VTL/N/2506130010/A
 Format No : 7.8 F-04
 Party Reference No : NIL
 Report Date : 18/06/2025
 Receipt Date : 13/06/2025
 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/04
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 07/06/2025 To 08/09/2025
 Time of Monitoring : 06:00 TO 06:00 Hrs.
 Ambient Temperature (°C) : Min. 29°C Max. 45°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	58.1	46.1

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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Sample Number : VTL/AN/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 : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM



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TEST REPORT

Report No. : VTL/N/2506130011/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status :

General Information:-

Sampling Location : 10 Mtr. Distance from Loading Tirnga Pit
Instrument Code : VTL/SLM/05
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 07/06/2025 To 08/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 45°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	59.5	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.

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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



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TEST REPORT

Report No. : VTL/N/2506130012/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 18/06/2025

Receipt Date : 13/06/2025

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/06

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 07/06/2025 To 08/06/2025

Time of Monitoring : 06:00 TO 06:00 Hrs.

Ambient Temperature (°C) : Min. 29°C Max. 45°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	54.2	42.2

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

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/2506130013/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 : 08/06/2025 To 09/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 32°C Max. 45°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	60.3	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.

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

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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

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

Report No. : VTL/N/2506130014/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status :

General Information:-

Sampling Location : Filter Fresh Building
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2025 To 09/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 32°C Max. 45°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	55.6	43.1

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

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

Report No. : VTL/N/2506130015/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 : Nr. BFN CCR Building
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2025 To 09/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 32°C Max. 45°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	61.3	44.7

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

- 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

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

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TEST REPORT

TC-16019

VIBRANT

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/2506130016/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
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 : 08/06/2025 To 09/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 32°C Max. 45°C
Surrounding Activity : Human, Vehicular & Other Act.
Parameter Required : As per work Order
Coordinates : 25°19'34" & 74°32'33"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Noise Level (Leq)	IS 9989 - 1981 RA:2020	55.3	42.7

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



Checked by



RK Yadav

Lab Incharge

Authorized Signatory



Corporate & Registered Office:

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VIBRANT

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



TC-16019

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TEST REPORT

Report No. : VTL/N/2506130017/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 18/06/2025
Receipt Date : 13/06/2025
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Temple Area
Instrument Code : VTL/SLM/05
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2025 To 09/06/2025
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 32°C Max. 45°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	53.8	44.1

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



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VIBRANT

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



IC-16019

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TEST REPORT

Report No. : VTL/A/2507010001/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 07/07/2025

Period of Analysis : 01/07/2025-07/07/2025

Receipt Date : 01/07/2025

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 : 27/06/2025 To 28/06/2025
 Time of Monitoring : 09:30 TO 09:30 Hrs.
 Ambient Temperature (°C) : Min. 27°C Max. 32°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	73.0	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.17	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	19.06	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	11.04	µg/m ³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.81	mg/m ³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	416.82	µg/m ³	--

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

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Corporate & Registered Office:

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VIBRANT

Sample Number : VTL/AA/03



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/A/2507010002/A
Format NO : 7.9 F-02
Party Reference No : NIL
Report Date : 07/07/2025
Period of Analysis : 01/07/2025-07/07/2025
Receipt Date : 01/07/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dhulkheda 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 : 28/06/2025 To 29/06/2025
Time of Monitoring : 11:00 TO 11:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 33°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	69.51	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.91	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	17.89	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 (NDIR)	0.72	mg/m³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	304.69	µg/m³	--

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

End of Report



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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



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TEST REPORT

Report No. : VTL/A/2507010003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 07/07/2025
Period of Analysis : 01/07/2025-07/07/2025
Receipt Date : 01/07/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Samodi Village
Sample Collected By : VTL Team
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°21'2" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/06/2025 To 30/06/2025
Time of Monitoring : 11:30 TO 11:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 34°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	57.18	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.38	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	14.78	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	8.20	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.74	mg/m³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	251.28	µg/m³	--

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

End of Report



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VIBRANT

Sample Number : VTL/AA/08

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



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TEST REPORT

Report No. : VTL/A/2507010004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 07/07/2025
Period of Analysis : 01/07/2025-07/07/2025
Receipt Date : 01/07/2025

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Tiranga Pit
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 : 27/06/2025 To 28/06/2025
Time of Monitoring : 11:30 TO 11:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 32°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	76.54	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.17	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006 RA 2022	17.31	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS 5182 (P- 2) : Sec 1 : 2023	8.52	µg/m³	80
5	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.66	mg/m³	4
6	Suspended Particulate Matter (as SPM)	IS 5182 : (P-4) : 1999 RA 2019	305.06	µg/m³	--

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