

Sample Number : VTL/AA/06

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

Report No. : VTL/A/2406180006/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Pur Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°18'22" & 74°32'20"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 11:00 TO 11:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	72.14	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	39.89	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	23.06	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.97	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	13.59	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	6.07	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

End of Report



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RK Yadav
Lab Incharge
Authorized Signatory



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Vibrant Techno Lab Pvt. Ltd.

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TEST REPORT

VIBRANT

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Sample Number : VTL/AA/06

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

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

Report No. : VTL/A/2406180006/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Pur Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°18'22" & 74°32'20"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 11:00 TO 11:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.77	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	205.66	µg/m ³	—

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

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Sample Number : VTL/AA/05

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

Report No. : VTL/A/2406180005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Dariba Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°20'21" & 74°31'35"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2024 To 14/06/2024
Time of Monitoring : 11:30 TO 11:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	70.70	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.30	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.65	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.72	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	12.76	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	7.30	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

End of Report



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Lab Incharge
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TEST REPORT

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Sample Number : VTL/AA/05

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

Report No. : VTL/A/2406180005/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dariba Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°20'21" & 74°31'35"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2024 To 14/06/2024
Time of Monitoring : 11:30 TO 11:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.79	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	197.14	µg/m ³	--

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Sample Number : VTL/AA/07
Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.:- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2406180007/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Kanoli Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°16'13" & 74°36'10"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 11:40 TO 11:40 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	68.11	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.88	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.70	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.16	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	15.53	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	10.76	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m³	5
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

End of Report



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TEST REPORT

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Sample Number : VTL/AA/07

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

Report No. : VTL/A/2406180007/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Kanoli Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°16'13" & 74°36'10"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 11:40 TO 11:40 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.78	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	199.27	µg/m ³	--

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

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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/2406180009/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Gandhisagar Park
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°20'10" & 74°38'57"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2024 To 16/06/2024
Time of Monitoring : 12:00 TO 12:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	79.57	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	39.01	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	25.05	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	14.47	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	14.80	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	13.37	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

End of Report



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TEST REPORT

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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/2406180009/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Gandhisagar Park
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°20'10" & 74°38'57"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2024 To 16/06/2024
Time of Monitoring : 12:00 TO 12:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	1.06	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	286.71	µg/m ³	--

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End of Report

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Sample Number : VTL/AA/08

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

Report No. : VTL/A/2406180008/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Lake View Lawn
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°19'34" & 74°32'33"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 12:30 TO 12:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	73.23	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.38	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.09	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.95	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	17.32	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	14.69	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

End of Report



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Lab Incharge
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Vibrant Techno Lab Pvt. Ltd.

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TEST REPORT

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Sample Number : VTL/AA/08

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

Report No. : VTL/A/2406180008/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Lake View Lawn
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°19'34" & 74°32'33"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 12:30 TO 12:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.88	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	281.41	µg/m ³	—

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

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Vibrant Techno Lab Pvt. Ltd.

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Sample Number : VTL/AA/10
Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2406180010/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Temple Area
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°19'1" & 74°32'6"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2024 To 16/06/2024
Time of Monitoring : 13:00 TO 13:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	71.13	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.15	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.60	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.70	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	8.50	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	14.70	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

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Sample Number : VTL/AA/10

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

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

Report No. : VTL/A/2406180010/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Temple Area
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°19'1" & 74°32'6"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2024 To 16/06/2024
Time of Monitoring : 13:00 TO 13:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10):1999, RA. 2019 (NDIR)	0.77	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	206.13	µg/m ³	--

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

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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/2406180001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°19'28" & 74°32'4"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 39°C
Surrounding Activity : Human, Vehicular & Plant Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	88.05	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	45.98	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	22.62	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	12.83	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	12.39	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	7.85	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

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TEST REPORT

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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/2406180001/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°19'28" & 74°32'4"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 39°C
Surrounding Activity : Human, Vehicular & Plant Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P-10)-1999, RA. 2019 (NDIR)	0.98	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P-4):1999, RA.2014	289.80	µg/m ³	--

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

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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/2406180004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Samodi Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°21'3" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024 To 13/06/2024
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 39°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	74.80	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.30	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.71	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.92	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	12.79	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	9.22	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	BDL(<5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m³	1

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

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TEST REPORT

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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/2406180004/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Samodi Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°21'3" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024 To 13/06/2024
Time of Monitoring : 10:00 TO 10:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 39°C
Surrounding Activity : Human, Vehicular & Other Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.81	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	226.66	µg/m ³	—

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

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Sample Number : VTL/AA/02

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

Report No. : VTL/A/2406180002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Dhulkhera Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°23'32" & 74°34'25"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 10:30 TO 10:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 39°C
Surrounding Activity : Human, Vehicular & Plant Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	83.09	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	42.34	µg/m ³	60
3	Nitrogen Dioxide (as NO ₂)	IS:5182 (P- 6)-2006, RA.2018	19.12	µg/m ³	80
4	Sulphur Dioxide (as SO ₂)	IS:5182 (P- 2)-2001, RA. 2018	13.19	µg/m ³	80
5	Benzene (as C ₆ H ₆)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m ³	5
6	Ammonia (as NH ₃)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	10.52	µg/m ³	400
7	Ozone (as O ₃)	IS 5182 (P-9):1974, RA.2019	15.66	µg/m ³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m ³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m ³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL(<5.0)	ng/m ³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m ³	1

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

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Sample Number : VTL/AA/02

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

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

Report No. : VTL/A/2406180002/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dhulkhera Pit

Sample Collected By : VTL Team

Sampling Equipment used : RDS/FPS

Instrument Code : VTL/RDS/FPS/07

Coordinates : 25°23'32" & 74°34'25"

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 11/06/2024 To 12/06/2024

Time of Monitoring : 10:30 TO 10:30 Hrs.

Ambient Temperature (°C) : Min. 28°C Max. 39°C

Surrounding Activity : Human, Vehicular & Plant Act.

Scope of Monitoring : Regulatory Requirement

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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.93	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	264.89	µg/m ³	--

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

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Sample Number : VTL/AA/03
Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.- 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/A/2406180003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Suras Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°23'25" & 74°34'11"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 11:00 TO 11:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 39°C
Surrounding Activity : Human, Vehicular & Plant Act.
Scope of Monitoring : Regulatory Requirement
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. 2017	87.57	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	41.68	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	25.51	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	14.87	µg/m ³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	BDL(<1.0)	µg/m ³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	13.99	µg/m ³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	13.01	µg/m ³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	BDL(<0.02)	µg/m ³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	BDL(<0.15)	ng/m ³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL(<5.0)	ng/m ³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	BDL(<0.2)	ng/m ³	1

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

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TEST REPORT

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Sample Number : VTL/AA/03

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

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

Report No. : VTL/A/2406180003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Suras Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°23'25" & 74°34'11"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 11:00 TO 11:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 39°C
Surrounding Activity : Human, Vehicular & Plant Act.
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.92	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	259.15	µg/m ³	—

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

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Sample Number : VTL/AA/05

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

Report No. : VTL/A/2406290001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 03/07/2024
Period of Analysis : 29/06/2024-03/07/2024
Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°19'25" & 74°32'4"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 08:00 to 08:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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. 2017	83.69	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	42.63	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA. 2018	21.42	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.69	µg/m³	80

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Sample Number : VTL/AA/05

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

Report No. : VTL/A/2406290001/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 03/07/2024
Period of Analysis : 29/06/2024-03/07/2024
Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Tiranga Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°19'25" & 74°32'4"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 08:00 to 08:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.79	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	210.0	µg/m ³	—

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Sample Number : VTL/AA/06

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

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

Report No. : VTL/A/2406290002/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 03/07/2024

Period of Analysis : 29/06/2024-03/07/2024

Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dhulkhera Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°23'32" & 74°34'26"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 09:00 to 09:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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. 2017	80.11	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	40.26	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	20.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.69	µg/m³	80

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Sample Number : VTL/AA/06

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

Report No. : VTL/A/2406290002/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 03/07/2024
Period of Analysis : 29/06/2024-03/07/2024
Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Dhulkhera Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°23'32" & 74°34'26"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 09:00 to 09:00 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.76	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	225.0	µg/m ³	-

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Sample Number : VTL/AA/07

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

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

Report No. : VTL/A/2406290003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 03/07/2024
Period of Analysis : 29/06/2024-03/07/2024
Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Suras Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°23'24" & 74°34'11"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 09:30 to 09:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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. 2017	79.21	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	38.65	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.42	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.63	µg/m³	80

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Sample Number : VTL/AA/07

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

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

Report No. : VTL/A/2406290003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 03/07/2024

Period of Analysis : 29/06/2024-03/07/2024

Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Suras Pit
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/07
Coordinates : 25°23'24" & 74°34'11"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 09:30 to 09:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.77	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	236.0	µg/m ³	--

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Sample Number : VTL/AA/08

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

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

Report No. : VTL/A/2406290004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 03/07/2024

Period of Analysis : 29/06/2024-03/07/2024

Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Samodi Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°21'3" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 10:30 to 10:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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. 2017	68.45	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.84	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.59	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.69	µg/m³	80

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

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Sample Number : VTL/AA/08

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

Report No. : VTL/A/2406290004/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 03/07/2024
Period of Analysis : 29/06/2024-03/07/2024
Receipt Date : 29/06/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-
Sampling Location : Samodi Village
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°21'3" & 74°32'52"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 27/06/2024 To 28/06/2024
Time of Monitoring : 10:30 to 10:30 Hrs.
Ambient Temperature (°C) : Min. 27°C Max. 37°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
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	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.70	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	198.01	µg/m ³	--

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Sample Number : VTL/FD/01

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/2406180001/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

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 : 11/06/2024
Time of Monitoring : 10:00 TO 18:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 38°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)	Lab SOP no. VTL/STP/02:2022 . STP-01	559.20	µg/m3

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Sample Number : VTL/FD/02

TEST REPORT

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 : Pur, Tehsil & District- Bhilwara Rajasthan

Report No. : VTL/FD/2406180002/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024

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/01
Coordinates : 25°20'2" & 74°32'42"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024
Time of Monitoring : 06:00 TO 14:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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)	Lab SOP no. VTL/STP/02:2022 , STP-01	597.43	µg/m3
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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-

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

Report No. : VTL/FD/2406180003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

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

: 12/06/2024

Time of Monitoring

: 15:00 TO 23:00 Hrs.

Ambient Temperature (°C)

: Min. 29°C Max. 40°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)	Lab SOP no. VTL/STP/02:2022 , STP-01	551.72	µg/m3
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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/2406180004/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

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 : 13/06/2024
Time of Monitoring : 05:00 TO 13:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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)	Lab SOP no. VTL/STP/02:2022., STP-01	533.17	µg/m3
End of Report				



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Lab Incharge
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Sample Number : VTL/FD/05

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/2406180005/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

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 : 13/06/2024

Time of Monitoring : 14:00 TO 22:00 Hrs.

Ambient Temperature (°C) : Min. 29°C Max. 40°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)	Lab SOP no. VTL/STP/02:2022 , STP-01	609.06	µg/m3

End of Report

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TEST REPORT



Sample Number : VTL/S/01

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

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

Report No. : VTL/S/2406180001/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : DG Set 1010 KVA
Sample Collected By : VTL Team
Date of Sampling : 14/06/2024
Sampling duration (Minutes) : 22 min. (10:00 to 10:22 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) : 40°C
Temperature of Stack Gases - Ts (°C) : 130°C
Velocity of Stack Gases (m/sec.) : 14.17
Flow rate of PM (LPM) : 45
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	58.44	mg/Nm3	75
2	Oxide of Nitrogen (NOX)	IS 11255 (P- 7) 2005; RA 2017	107.21	mg/Nm3	710
3	Total Hydrocarbon (HC)	USEPA 18: 1996	9.90	mg/Nm3	100
4	Sulphur Dioxide (SO2)	IS: 11255(P-2): 1985, RA 2019	15.10	mg/Nm3	-
5	Carbon Monoxide (CO)	USEPA 10: 1996	40.71	mg/Nm3	150

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

End of Report



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TEST REPORT



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Sample Number : VTL/S/05

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

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

Report No. : VTL/S/2406180006/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Induction Furnace
Sample Collected By : VTL Team
Date of Sampling : 15/06/2024
Sampling duration (Minutes) : 21 min. (12:00 to 12:21 hrs.)
Stack attached to : Byclone Bag Filter
Make of stack : MS
Diameter of stack(m) : 0.6 M
Height of stack(m) : 22.0 M
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 40°C
Temperature of Stack Gases - Ts (°C) : 135°C
Velocity of Stack Gases (m/sec.) : 9.78
Flow rate of PM (LPM) : 43
Flow rate of Gas (LPM) : --
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	27.23	mg/Nm ³	30

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TEST REPORT

TC-11227

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

ULR No. : TC112272400000428F

Report No. : VTLW/2406180003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	7.33	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	335.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	90.18	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	345.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	218.90	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	26.73	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	858.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	89.32	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.96	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	31.58	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.32	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.45	mg/l	5.0	15.0



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TEST REPORT



TC-11227

Sample Number : VTL/GW/03

ULR No. : TC112272400000428F

Report No. : VTL/W/2406180003/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	225.00	mg/l	--	--

*BDL-Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****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/2406180003/B**Format No :** 7.8 F-01**Party Reference No :** NIL**Report Date :** 25/06/2024**Period of Analysis :** 18/06/2024-25/06/2024**Receipt Date :** 18/06/2024**Sampling Date :** 15/06/2024**Sampling Type :** Grab**Sample Quantity :** 2 Litr.**Coordinates :** 25°23'16" & 74°33'40"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8) : 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL-Below Detection Limit

End of Report

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**VIBRANT**

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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

TEST REPORT

TC-11227

ULR No. : TC1122724000000432F

Report No. : VTL/W/2406180007/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	7.38	—	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	470.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	126.25	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	505.0	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	281.0	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	37.67	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1262.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	146.28	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.02	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	39.47	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.64	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.76	mg/l	5.0	15.0



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TEST REPORT

TC-11227

Sample Number : VTL/GW/07

ULR No. : TC1122724000000432F

Report No. : VTL/W/2406180007/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	314.99	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"*

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/2406180007/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	Colour	IS : 3025:(P-4)1983, :RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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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

TEST REPORT

TC-11227

ULR No. : TC1122724000000431F

Report No. : VTL/W/2406180006/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	7.46	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	550.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	150.30	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	550.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	358.93	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	42.52	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1386.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	187.70	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.03	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	38.82	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.30	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.42	mg/l	5.0	15.0



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**VIBRANT**

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Sample Number : VTL/GW/06

TEST REPORT

TC-11227

ULR No. : TC1122724000000431F

Report No. : VTL/W/2406180006/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	375.00	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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TEST REPORT

VIBRANT

"Experience the unimaginable"

Sample Number : VTL/GW/06

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

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

Sample Description : Water Sample

Sampling Location : Kanoli Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180006/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	Colour	IS : 3025:(P-4)1983, :RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	—	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	—	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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TEST REPORT

TC-11227

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

ULR No. : TC1122724000000430F

Report No. : VTL/W/2406180005/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°20'11" & 74°38'57"

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	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	570.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	156.31	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	575.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	405.00	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	43.74	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1666.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	187.70	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.08	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	40.79	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.26	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.39	mg/l	5.0	15.0



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TEST REPORT

TC-11227

Sample Number : VTL/GW/05

ULR No. : TC1122724000000430F

Report No. : VTL/W/2406180005/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	389.99	mg/l	--	--

*BDL- Below Detection Limit

End of Report



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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

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/2406180005/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°20'11" & 74°38'57"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4) 1983, RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"*

Sample Number : VTL/GW/04

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

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

Sample Description : Water Sample

Sampling Location : Samodi Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

TEST REPORT

ULR No. : TC1122724000000429F

Report No. : VTL/W/2406180004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.32	—	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	315.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	82.16	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	350.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	172.82	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	26.73	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	886.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	80.26	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.62	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	25.92	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C; 2017	*BOL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.36	mg/l	5.0	15.0



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**VIBRANT**

"Experience the unimaginable"

Sample Number : VTL/GW/04

TEST REPORT

TC-11227

ULR No. : TC1122724000000429F

Report No. : VTL/W/2406180004/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	204.99	mg/l	--	--

*BDL-Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/GW/04

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

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

Sample Description : Water Sample

Sampling Location : Samodi Village

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4) 1983, :RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8) : 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL-Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"*

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

TEST REPORT

TC-11227

ULR No. : TC1122724000000427F

Report No. : VTL/W/2406180002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	7.42	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	425.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	126.25	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	375.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	207.38	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	26.73	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	976.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	102.26	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.90	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	26.46	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.32	mg/l	5.0	15.0



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RK Yadav
Lab Incharge
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**VIBRANT**

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Sample Number : VTL/GW/02

TEST REPORT

TC-11227

ULR No. : TC1122724000000427F

Report No. : VTL/W/2406180002/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	314.99	mg/l	--	--

*BDL-Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

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. : VTL/W/2406180002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'16" & 74°33'40"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4) 1983, RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	—	Agreeable	Agreeable
3	Taste	IS :3025 (P-8) : 1984 RA 2017	Agreeable	—	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D.2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL-Below Detection Limit

End of Report


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**VIBRANT**

"Experience the unimaginable"

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

TEST REPORT

TC-11227

ULR No. : TC1122724000000423F

Report No. : VTL/W/2406180001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	7.29	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	475.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	130.26	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	490.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	306.46	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	36.46	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1126.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	98.36	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.85	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	39.47	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.26	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.34	mg/l	5.0	15.0



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Sample Number : VTL/GW/01

TEST REPORT

TC-11227

ULR No. : TC1122724000000423F

Report No. : VTL/W/2406180001/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	324.97	mg/l	--	--

*BDL-Below Detection Limit

End of Report

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TEST REPORT

VIBRANT

"Experience the unimaginable"

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. : VTL/W/2406180001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°24'7" & 74°35'42"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4) 1983, RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition, 5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL-Below Detection Limit

End of Report

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TEST REPORT



VIBRANT
"Experience the unimaginable"

Sample Number : VTL/GW/08

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

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

Sample Description : Water Sample

Sampling Location : BFN Plant - Ground Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000433F

Report No. : VTLW/2406180008/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'6" & 74°32'16"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.32	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	340.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	100.20	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	380.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	142.86	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	21.87	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	833.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	69.90	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.81	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	26.71	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.32	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.42	mg/l	5.0	15.0



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Sample Number : VTL/GW/08

ULR No. : TC1122724000000433F

Report No. : VTLW/2406180008/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Not Detected	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	250.00	mg/l	--	--

*BDL-Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

"Experience the unimaginable"

Sample Number : VTL/GW/08

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

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

Sample Description : Water Sample

Sampling Location : BFN Plant - Ground Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180008/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'6" & 74°32'16"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL-Below Detection Limit

End of Report

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TEST REPORT



VIBRANT

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Sample Number : VTL/GW/09

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

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

Sample Description : Water Sample

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000434F

Report No. : VTL/W/2406180009/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'5" & 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	7.26	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	540.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	170.34	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	555.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	414.76	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	27.94	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1460.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	176.05	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.08	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	41.31	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.69	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.74	mg/l	5.0	15.0



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TEST REPORT



TC-11227

Sample Number : VTL/GW/09

ULR No. : TC1122724000000434F

Report No. : VTL/W/2406180009/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	425.00	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/GW/09

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

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

Sample Description : Water Sample

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2406180009/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'5" & 74°32'15"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4) 1983, RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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TEST REPORT



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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. : TC1122724000000435F

Report No. : VTLW/2406180010/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'13" & 74°33'12"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	8.09	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	580.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	154.31	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	555.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	377.90	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	45.56	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1373.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	169.58	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.12	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	42.10	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.85	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.91	mg/l	5.0	15.0



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**VIBRANT**

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Sample Number : VTL/GW/10

TEST REPORT

TC-11227

ULR No. : TC1122724000000435F

Report No. : VTLW/2406180010/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	385.00	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

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/2406180010/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	Colour	IS : 3025;(P-4)1983; :RA 2017	*BDL (5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 6141A, 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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VIBRANT

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TEST REPORT



TC-11227

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. : TC112272400000437F

Report No. : VTLW/2406180011/A

Format No : 7.6 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°20'12" & 74°33'11"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.21	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	520.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	126.25	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	515.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	262.68	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	49.81	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1235.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	156.65	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition, 4500FD, 2017	1.12	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	38.75	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition, 3111B, 2017	0.39	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B, 2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition, 3030D, 3113 B, 2017	0.51	mg/l	5.0	15.0



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**VIBRANT**

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Sample Number : VTL/GW/11

TEST REPORT

TC-11227

ULR No. : TC1122724000000437F

Report No. : VTLW/2406180011/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	314.99	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"*

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/2406180011/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
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	Colour	IS : 3025 (P-4) 1983, :RA 2017	*BDL(<5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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TEST REPORT



TC-11227

VIBRANT
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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.-4(Nr. OB Dump Yard -Suras Mines)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000438F

Report No. : VTLW/2406180012/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'18" & 74°34'18"

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	7.08	—	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	410.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	128.27	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	415.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	230.41	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	21.87	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1058.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	126.86	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.09	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	34.21	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.39	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.51	mg/l	5.0	15.0



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TEST REPORT

TC-11227

ULR No. : TC1122724000000438F

Report No. : VTL/W/2406180012/A

Sample Number : VTL/GW/12

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	320.01	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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TEST REPORT

VIBRANT

"Experience the unimaginable"

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 : Plezowell No.-4(Nr. OB Dump Yard -Suras Mines)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2406180012/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'18" & 74°34'18"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025-(P-4)1983, -RA 2017	*BDL(<5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/8630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-8630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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**VIBRANT**

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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

TEST REPORT

ULR No. : TC1122724000000439F

Report No. : VTL/W/2406180013/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	7.62	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	510.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	138.28	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	555.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	294.94	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	40.09	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1262.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	154.04	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.09	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	39.34	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.59	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.65	mg/l	5.0	15.0



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TEST REPORT



Sample Number : VTL/GW/13

ULR No. : TC112272400000439F

Report No. : VTL/W/2406180013/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	345.01	mg/l	--	--

*BDL- Below Detection Limit

End of Report



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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/GW/13

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

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

Sample Description : Water Sample

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180013/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	Colour	IS : 3025:(P-4)1983, :RA 2017	*BDL(<5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	—	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	—	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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TEST REPORT



VIBRANT

"Experience the unimaginable"

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 -Dhulkheda-N)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000440F

Report No. : VTL/W/2406180014/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°24'40" & 74°35'7"

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	7.09	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO3)	IS: 3025 (P-21): 2009, RA 2019	390.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	118.24	mg/l	75	200
5	Total Alkalinity (as CaCO3)	IS: 3025 (P-23): 1986, RA 2019	465.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	237.74	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	23.08	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1085.00	mg/l	500	2000
9	Sulphate (as SO4)	IS: 3025 (P-24): 1986, RA 2022	111.36	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.06	mg/l	1.0	1.5
11	Nitrate (as NO3)	IS: 3025 (P-34): 1988	34.08	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.51	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C6H5OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.71	mg/l	5.0	15.0



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TEST REPORT



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Sample Number : VTL/GW/14

ULR No. : TC112272400000440F

Report No. : VTL/W/2406180014/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	295.01	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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TEST REPORT

VIBRANT

"Experience the unimaginable"

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 -Dhulkheda-N)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180014/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°24'40" & 74°35'7"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, RA 2017	*BDL(<5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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Vibrant Techno Lab Pvt. Ltd.

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000441F

Report No. : VTL/W/2406180015/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'32" & 74°34'25"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.12	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	405.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	134.27	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	440.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	248.89	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	17.01	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1066.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	117.80	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.12	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	35.52	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.49	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.64	mg/l	5.0	15.0



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TEST REPORT

TC-11227

ULR No. : TC1122724000000441F

Report No. : VTLW/2406180015/A

Sample Number : VTL/GW/13

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	335.00	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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TEST REPORT

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

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180015/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	Colour	IS : 3025 (P-4) 1983, :RA 2017	*BDL(<5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition .4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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**VIBRANT**

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TEST REPORT

TC-11227

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.-08(Nr. OB Dump Yard- Dhulkheda-S)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000442F

Report No. : VTL/W/2406180016/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'53" & 74°34'38"

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.31	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025 (P-10):1984, RA 2017	*BDL(<1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	530.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	128.26	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	585.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	359.46	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	50.84	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	1366.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	166.99	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	1.18	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	38.29	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.32	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BDL(<0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BDL(<0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
16	Phenolic Compounds (C ₆ H ₅ OH)	APHA 23rd Edition 5530C: 2017	*BDL(<0.001)	mg/l	0.001	0.002
17	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.45	mg/l	5.0	15.0



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TEST REPORT

TC-11227

Sample Number : VTL/GW/14

ULR No. : TC112272400000442F

Report No. : VTL/W/2406180016/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Copper (as Cu)	APHA 23rd Edition 3111B, 2017	*BDL(<0.02)	mg/l	0.05	1.5
19	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BDL(<0.05)	mg/l	0.1	0.3
20	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.002)	mg/l	0.003	No Relaxation
21	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
22	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	No Relaxation
23	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l	0.01	0.05
24	Mercury (as Hg)	APHA 23rd edition, 3114C, 2017	*BDL(<0.001)	mg/l	0.001	No Relaxation
25	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
26	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BDL(<0.2)	mg/l	0.2	1.0
28	Calcium Hardness	IS: 3025 (P-40): 1991 RA 2019	320.76	mg/l	--	--

*BDL- Below Detection Limit

End of Report

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TEST REPORT

VIBRANT

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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.-08(Nr. OB Dump Yard- Dhulkheda-S)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2406180016/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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	Colour	IS : 3025:(P-4)1983, :RA 2017	*BDL(<5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Cyanide (as CN)	APHA 23rd Edition ,4500D,2017	*BDL(<0.02)	mg/l	0.05	No Relaxation
5	Mineral Oil	IS 3025 (P-39) 1989	*BDL(<0.05)	mg/l	0.5	No Relaxation
6	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BDL(<0.05)	mg/l	0.2	1.0
7	Polynuclear-aromatic Hydrocarbon (PAH)	APHA 23rd Edition,5175/6630 2017	*BDL(<0.01)	mg/l	0.0001	No relaxation
8	Total Pesticides	APHA 23rd Edition-6630, 8141A 2017	*BDL(<0.01)	µg/L	-	-

*BDL- Below Detection Limit

End of Report

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TEST REPORT

VIBRANT

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Sample Number:

Name & Address of the Party:

VTL/WL/01-08

M/s Jindal Saw Ltd.

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

VTL Team

Ground Water Level Monitoring

Report No.:

VTL/WL/ 2406180001-08/B

Format No.:

7.8 F-01

Party Reference No.:

NIL

Report Date:

25/06/2024

Sample Collected By

Sample Description:

Receipt Date:

18/06/2024

Date of Monitoring

15-17/06/2024

S.No.	Location	Depth (In meter)
1.	Piezometer Well No.-01 (Nr. Tailing Filter Press)	39.46
2.	Piezometer Well No.-02 (OB Dump Yard Nr. Gate No. 5)	15.12
3.	Piezometer Well No.-03 (Old Mines Office- Suras)	14.32
4.	Piezometer Well No.-04 (Nr. OB Dump Yard - Suras Mines)	10.62
5.	Piezometer Well No.-05 (Nr. Weigh Bridge - Dhulkheda-N)	9.45
6.	Piezometer Well No.-06 (Nr. OB Dump Yard Dhulkheda-N)	13.96
7.	Piezometer Well No.-07 (Nr. Mines Office - Dhulkheda -S)	11.85
8.	Piezometer Well No.-08 (Nr. OB Dump Yard - Dhulkheda - S)	9.63


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Sample Number : VTL/WQP/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 : SURFACE WATER

Sampling Location : Tailing Filter Recycling Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000449F

Report No. : VTL/W/2406180023/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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: I3025: (P-4) :2021	*BDL(<5.0)	Hazen
2	pH	IS: 3025 (P-11): 2022	7.13	-
3	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	24.60	mg/l
4	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1201.0	mg/l
5	Oil & Grease	IS:3025 (P-39): 2021	*BDL(<4.0)	mg/l
6	Residual Chlorine	IS: 3025 (P-26): 2021	0.51	mg/l
7	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	3.36	mg/l
8	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	18.48	mg/l
9	Nitrate Nitrogen (as NO ₃)	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	15.66	mg/l
10	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	9.60	mg/l
11	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	45.36	mg/l
12	Lead (as Pb)	APHA 23rd Edition-3030 D, 3113 B, 2017	*BDL(<0.1)	mg/l
13	Copper (as Cu)	APHA 23rd Edition -3111B, 2017	*BDL(<0.1)	mg/l
14	Zinc (as Zn)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.2)	mg/l
15	Nickel (as Ni)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
16	Fluoride (as F)	APHA 23rd Edition, 4500FD, 2017	0.81	mg/l
17	Arsenic (as As)	APHA 23rd Edition-3114C, 2017	*BDL(<0.05)	mg/l
18	Mercury (as Hg)	APHA 23rd Edition-3114 C, 2017	*BDL(<0.05)	mg/l
19	Cadmium (as Cd)	APHA 23rd edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
20	Selenium (as Se)	APHA 23rd Edition- 3114 C , 2017	*BDL(<0.05)	mg/l



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TEST REPORT



TC-11227

VIBRANT

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Sample Number : VTL/WQP/01

ULR No. : TC1122724000000449F

Report No. : VTL/W/2406180023/A

S.No.	Test Parameters	Test Method	Results	Unit
21	Phenolic Compounds (as C ₆ H ₅ OH)	APHA 23rd Edition 5530C, 2017	*BDL(<0.1)	mg/l
22	Iron (as Fe)	APHA 23RD Edition 3111 B, 2017	0.75	mg/l
23	Manganese (as Mn)	APHA 23rd Edition 3030D, 3111 B, 2017	*BDL(<0.1)	mg/l
24	Dissolved Oxygen	IS : 3025 (P-38) : 1989, RA 2019	6.67	mg/l
25	Chromium (as Cr)	APHA 23rd Edition 3113 B, 2017	*BDL(<0.1)	mg/l

*BDL-Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

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Sample Number : VTL/WQP/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 : 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/2406180023/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Unit
1	Free Ammonia (as NH ₃)	IS: 3025 (P-34) : 1988, Titrimetric Method, RA:2019	1.68	mg/l
2	Phosphate (as PO ₄)	IS:3025 (P-31):1988, (stannous Chloride Method) Sec.3 RA: 2022	0.81	mg/l
3	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA. 2019 Turbidity Method	74.43	mg/l
4	Cyanide (as CN)	APHA 23rd Edition- 4500 CN-E, 2017	*BDL(<0.02)	mg/l

*BDL-Below Detection Limit

End of Report

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Sample Number : VTL/WQP/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 : SURFACE WATER

Sampling Location : Tailing Pond

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000450F

Report No. : VTL/W/2406180024/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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: 13025 (P-4) :2021	*BDL(<5.0)	Hazen
2	pH	IS: 3025 (P-11): 2022	7.81	-
3	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	25.30	mg/l
4	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	963.00	mg/l
5	Oil & Grease	IS:3025 (P-39): 2021	*BDL(<4.0)	mg/l
6	Residual Chlorine	IS: 3025 (P-26): 2021	0.25	mg/l
7	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	0.56	mg/l
8	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	8.68	mg/l
9	Nitrate Nitrogen (as NO ₃)	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	26.32	mg/l
10	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	14.40	mg/l
11	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	64.80	mg/l
12	Lead (as Pb)	APHA 23rd Edition-3030 D, 3113 B, 2017	*BDL(<0.1)	mg/l
13	Copper (as Cu)	APHA 23rd Edition -3111B, 2017	*BDL(<0.1)	mg/l
14	Zinc (as Zn)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.2)	mg/l
15	Nickel (as Ni)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
16	Fluoride (as F)	APHA 23rd Edition, 4500FD, 2017	0.89	mg/l
17	Arsenic (as As)	APHA 23rd Edition-3114C, 2017	*BDL(<0.05)	mg/l
18	Mercury (as Hg)	APHA 23rd Edition-3114 C, 2017	*BDL(<0.05)	mg/l
19	Cadmium (as Cd)	APHA 23rd edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
20	Selenium (as Se)	APHA 23rd Edition- 3114 C , 2017	*BDL(<0.05)	mg/l



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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

TC-11227

Sample Number : VTL/WQP/02

ULR No. : TC1122724000000450F

Report No. : VTL/W/2406180024/A

S.No.	Test Parameters	Test Method	Results	Unit
21	Phenolic Compounds (as C ₆ H ₅ OH)	APHA 23rd Edition 5530C, 2017	*BDL(<0.1)	mg/l
22	Iron (as Fe)	APHA 23RD Edition 3111 B, 2017	0.70	mg/l
23	Manganese (as Mn)	APHA 23rd Edition 3030D, 3111 B, 2017	*BDL(<0.1)	mg/l
24	Dissolved Oxygen	IS : 3025 (P-38) : 1989, RA 2019	5.60	mg/l
25	Chromium (as Cr)	APHA 23rd Edition 3113 B, 2017	*BDL(<0.1)	mg/l

*BDL-Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

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

Report No. : VTL/W/2406180024/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'20" & 74°32'18"

S.No.	Test Parameters	Test Method	Results	Unit
1	Free Ammonia (as NH ₃)	IS: 3025 (P-34) : 1988, Titrimetric Method, RA:2019	0.84	mg/l
2	Phosphate (as PO ₄)	IS:3025 (P-31):1988, (stannous Chloride Method) Sec.3 RA: 2022	0.84	mg/l
3	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA. 2019 Turbidity Method	66.18	mg/l
4	Cyanide (as CN)	APHA 23rd Edition- 4500 CN-E, 2017	*BDL(<5.0)	mg/l

*BDL-Below Detection Limit

End of Report

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Sample Number : VTL/WQP/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 : SURFACE WATER

Sampling Location : STP Incoming / Reservoir Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000451F

Report No. : VTL/W/2406180025/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'34" & 74°32'38"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS: 13025 (P-4) :2021	6.40	Hazen
2	pH	IS: 3025 (P-11): 2022	7.45	-
3	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	43.50	mg/l
4	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1164.00	mg/l
5	Oil & Grease	IS:3025 (P-39): 2021	*BDL(<4.0)	mg/l
6	Residual Chlorine	IS: 3025 (P-26): 2021	0.54	mg/l
7	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	4.76	mg/l
8	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	9.04	mg/l
9	Nitrate Nitrogen (as NO ₃)	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	18.42	mg/l
10	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	12.00	mg/l
11	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	51.84	mg/l
12	Lead (as Pb)	APHA 23rd Edition-3030 D, 3113 B, 2017	*BDL(<0.1)	mg/l
13	Copper (as Cu)	APHA 23rd Edition -3111B, 2017	*BDL(<0.1)	mg/l
14	Zinc (as Zn)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.2)	mg/l
15	Nickel (as Ni)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
16	Fluoride (as F)	APHA 23rd Edition, 4500FD, 2017	0.85	mg/l
17	Arsenic (as As)	APHA 23rd Edition-3114C, 2017	*BDL(<0.05)	mg/l
18	Mercury (as Hg)	APHA 23rd Edition-3114 C, 2017	*BDL(<0.05)	mg/l
19	Cadmium (as Cd)	APHA 23rd edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
20	Selenium (as Se)	APHA 23rd Edition- 3114 C , 2017	*BDL(<0.05)	mg/l



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TEST REPORT



VIBRANT

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Sample Number : VTL/WQP/03

ULR No. : TC1122724000000451F

Report No. : VTL/W/2406180025/A

S.No.	Test Parameters	Test Method	Results	Unit
21	Phenolic Compounds (as C ₆ H ₅ OH)	APHA 23rd Edition 5530C, 2017	*BDL(<0.1)	mg/l
22	Iron (as Fe)	APHA 23RD Edition 3111 B, 2017	0.75	mg/l
23	Manganese (as Mn)	APHA 23rd Edition 3030D, 3111 B, 2017	*BDL(<0.1)	mg/l
24	Dissolved Oxygen	IS : 3025 (P-38) : 1989, RA 2019	6.40	mg/l
25	Chromium (as Cr)	APHA 23rd Edition 3113 B, 2017	*BDL(<0.1)	mg/l

*BDL-Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

"Experience the unimaginable"

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

Report No. : VTLW/2406180025/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°19'34" & 74°32'38"

S.No.	Test Parameters	Test Method	Results	Unit
1	Free Ammonia (as NH ₃)	IS: 3025 (P-34) : 1988, Titrimetric Method, RA:2019	2.80	mg/l
2	Phosphate (as PO ₄)	IS:3025 (P-31):1988, (stannous Chloride Method) Sec.3 RA: 2022	0.83	mg/l
3	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA. 2019 Turbidity Method	50.65	mg/l
4	Cyanide (as CN)	APHA 23rd Edition- 4500 CN-E, 2017	*BDL(<5.0)	mg/l

*BDL-Below Detection Limit

End of Report

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TEST REPORT



TC-11227

VIBRANT

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Sample Number : VTL/WQP/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 : SURFACE WATER

Sampling Location : Silt Arresting Tank

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000452F

Report No. : VTL/W/2406180026/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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(<5.0)	Hazen
2	pH	IS: 3025 (P-11) : 2022	7.82	-
3	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	16.00	mg/l
4	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	981.00	mg/l
5	Oil & Grease	IS:3025 (P-39): 2021	*BDL(<4.0)	mg/l
6	Residual Chlorine	IS: 3025 (P-26) : 2021	0.29	mg/l
7	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	1.12	mg/l
8	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	18.48	mg/l
9	Nitrate Nitrogen (as NO ₃)	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	18.42	mg/l
10	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	9.60	mg/l
11	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	38.88	mg/l
12	Lead (as Pb)	APHA 23rd Edition-3030 D, 3113 B, 2017	*BDL(<0.1)	mg/l
13	Copper (as Cu)	APHA 23rd Edition -3111B, 2017	*BDL(<0.1)	mg/l
14	Zinc (as Zn)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.2)	mg/l
15	Nickel (as Ni)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
16	Fluoride (as F)	APHA 23rd Edition, 4500FD, 2017	0.62	mg/l
17	Arsenic (as As)	APHA 23rd Edition-3114C, 2017	*BDL(<0.05)	mg/l
18	Mercury (as Hg)	APHA 23rd Edition-3114 C, 2017	*BDL(<0.05)	mg/l
19	Cadmium (as Cd)	APHA 23rd edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
20	Selenium (as Se)	APHA 23rd Edition- 3114 C, 2017	*BDL(<0.05)	mg/l



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TEST REPORT



TC-11227

VIBRANT

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Sample Number : VTL/WQP/04

ULR No. : TC1122724000000452F

Report No. : VTL/W/2406180026/A

S.No.	Test Parameters	Test Method	Results	Unit
21	Phenolic Compounds (as C ₆ H ₅ OH)	APHA 23rd Edition 5530C, 2017	*BDL(<0.1)	mg/l
22	Iron (as Fe)	APHA 23RD Edition 3111 B, 2017	0.50	mg/l
23	Manganese (as Mn)	APHA 23rd Edition 3030D, 3111 B, 2017	*BDL(<0.1)	mg/l
24	Dissolved Oxygen	IS : 3025 (P-38) : 1989, RA 2019	5.07	mg/l
25	Chromium (as Cr)	APHA 23rd Edition 3113 B, 2017	*BDL(<0.1)	mg/l

*BDL-Below Detection Limit

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TEST REPORT

VIBRANT

"Experience the unimaginable"

Sample Number : VTL/WQP/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 : SURFACE WATER
Sampling Location : Silt Arresting Tank
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/W/2406180026/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°18'58" & 74°32'24"

S.No.	Test Parameters	Test Method	Results	Unit
1	Free Ammonia (as NH ₃)	IS: 3025 (P-34) : 1988, Titrimetric Method, RA:2019	*BDL(<0.3)	mg/l
2	Phosphate (as PO ₄)	IS:3025 (P-31):1988, (stannous Chloride Method) Sec.3 RA: 2022	0.67	mg/l
3	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA. 2019 Turbidity Method	62.91	mg/l
4	Cyanide (as CN)	APHA 23rd Edition- 4500 CN-E, 2017	*BDL(<5.0)	mg/l

*BDL-Below Detection Limit

End of Report

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TEST REPORT



VIBRANT

"Experience the unimaginable"

Sample Number : VTL/WQP/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 : SURFACE WATER

Sampling Location : BFN Recycling Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000453F

Report No. : VTL/W/2406180027/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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: 13025 (P-4) :2021	8.00	Hazen
2	pH	IS: 3025 (P-11): 2022	7.40	-
3	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	43.60	mg/l
4	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1060.00	mg/l
5	Oil & Grease	IS:3025 (P-39): 2021	*BDL(<4.0)	mg/l
6	Residual Chlorine	IS: 3025 (P-26): 2021	0.59	mg/l
7	Ammonical Nitrogen (as NH3-N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	3.08	mg/l
8	Total Kjeldahl Nitrogen (as NH3)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	8.40	mg/l
9	Nitrate Nitrogen (as NO3)	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	18.42	mg/l
10	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	13.20	mg/l
11	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	58.32	mg/l
12	Lead (as Pb)	APHA 23rd Edition-3030 D, 3113 B, 2017	*BDL(<0.1)	mg/l
13	Copper (as Cu)	APHA 23rd Edition -3111B, 2017	*BDL(<0.1)	mg/l
14	Zinc (as Zn)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.2)	mg/l
15	Nickel (as Ni)	APHA 23rd Edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
16	Fluoride (as F)	APHA 23rd Edition, 4500FD, 2017	0.68	mg/l
17	Arsenic (as As)	APHA 23rd Edition-3114C, 2017	*BDL(<0.05)	mg/l
18	Mercury (as Hg)	APHA 23rd Edition-3114 C, 2017	*BDL(<0.05)	mg/l
19	Cadmium (as Cd)	APHA 23rd edition-3030D, 3113 B, 2017	*BDL(<0.1)	mg/l
20	Selenium (as Se)	APHA 23rd Edition- 3114 C , 2017	*BDL(<0.05)	mg/l



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TEST REPORT



VIBRANT

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Sample Number : VTL/WQP/05

ULR No. : TC112272400000453F

Report No. : VTL/W/2406180027/A

S.No.	Test Parameters	Test Method	Results	Unit
21	Phenolic Compounds (as C ₆ H ₅ OH)	APHA 23rd Edition 5530C, 2017	*BDL(<0.1)	mg/l
22	Iron (as Fe)	APHA 23RD Edition 3111 B, 2017	0.55	mg/l
23	Manganese (as Mn)	APHA 23rd Edition 3030D, 3111 B, 2017	*BDL(<0.1)	mg/l
24	Dissolved Oxygen	IS : 3025 (P-38) : 1989, RA 2019	5.27	mg/l
25	Chromium (as Cr)	APHA 23rd Edition 3113 B, 2017	*BDL(<0.1)	mg/l

*BDL-Below Detection Limit

End of Report



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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/WQP/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 : SURFACE WATER

Sampling Location : BFN Recycling Water

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180027/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'10" & 74°32'18"

S.No.	Test Parameters	Test Method	Results	Unit
1	Free Ammonia (as NH ₃)	IS: 3025 (P-34) : 1988, Titrimetric Method, RA:2019	0.56	mg/l
2	Phosphate (as PO ₄)	IS:3025 (P-31):1988, (stannous Chloride Method) Sec.3 RA: 2022	0.66	mg/l
3	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA. 2019 Turbidity Method	47.38	mg/l
4	Cyanide (as CN)	APHA 23rd Edition- 4500 CN-E, 2017	*BDL(<5.0)	mg/l

*BDL-Below Detection Limit

End of Report

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Sample Number : VTL/SW/19

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

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

ULR No. : TC1122724000000447F
Report No. : VTLW/2406180021/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°24'18" & 74°33'3"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.61	--
2	Turbidity	IS : 3025 (P- 10) : 1984, RA 2017	3.6	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 1984, RA 2017	515.00	mg/l
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	87.56	mg/l
5	Sulphate as (SO ₄)	IS: 3025 (P- 24) : 1986, Sec. RA 2022	70.99	mg/l
6	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	5.50	mg/l
7	Total Hardness (CaCO ₃)	IS: 3025 (P- 21) : 2009, RA 2019	140.00	mg/l
8	Calcium (as Ca)	IS : 3025 (P-40) : 1991 RA 2019	36.07	mg/l
9	Magnesium (as Mg)	IS : 3025 (P- 46) : 1994, RA 2019	12.15	mg/l
10	Fluoride (as F)	APHA 23rd Edition, 4500D, 2017	0.75	mg/l
11	Nitrate (as NO ₃)	IS: 3025 (P- 34) : 1988 RA 2022	18.68	mg/l
12	Total Coliform	IS 15185: 2016	Present	MPN
13	Total Alkalinity (CaCO ₃)	IS: 3025 (P-23) :1986, RA 2019	175.00	mg/l
14	Iron (as Fe)	APHA 23rd Edition, 3111B, 2017	0.41	mg/l
15	Zinc (as Zn)	APHA 23rd Edition, 3030D, 3113B, 2017	0.45	mg/l
16	Copper (as Cu)	APHA 23rd edition, 3111B, 2017	*BDL(<0.02)	mg/l
17	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.05)	mg/l
18	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.005)	mg/l
19	Arsenic (as As)	APHA 23rd Edition, 3030D, 3114C, 2017	*BDL(<0.005)	mg/l
20	E Coli	IS :15185 : 2016	Present	P-A/100 ML
21	Boron (as B)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.2)	mg/l
22	Chromium (as Cr)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.02)	mg/l



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Sample Number : VTL/SW/19

ULR No. : TC1122724000000447F

Report No. : VTLW/2406180021/A

S.No.	Test Parameters	Test Method	Results	Unit
23	Cadmium (as Cd)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.002)	mg/l
24	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l
25	Mercury (as Hg)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.001)	mg/l
26	Phenolic Compounds	APHA 23rd Edition, 5530C, 2017	*BDL(<0.05)	mg/l
27	Nickel (as Ni)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.01)	mg/l

*BDL- Below Detection Limit

End of Report



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TEST REPORT

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"Experience the unimaginable"

Sample Number : VTL/SW/19

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

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

Sample Description : SURFACE WATER

Sampling Location : Meja Dam

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180021/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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(<5.0)	CU
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--
4	Phosphorus (P)	IS : 3025 (P-31) :1988, RA 2022	0.96	mg/l
5	Potassium (as K)	APHA 23rd Edition, 3030D,3113B, 2017	15.75	mg/l
6	Residual Free Chlorine (RFC)	IS : 3025 (P-26) :2021	0.35	mg/l
7	Cyanide (as CN)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.02)	mg/l
8	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(<0.03)	mg/l
9	Total Pesticides	APHA 23rd Edition ,3111B, 2017	*BDL(<0.01)	mg/l
10	Calcium Hardness (as CaCO ₃)	IS: 3025 (P-40) : 1991 RA 2019	89.99	mg/l
11	Anionic Detergents (MBAS)	APHA 23rd ed., 2017, 5530C	*BDL(<0.02)	mg/l
12	Mineral Oil	IS : 3025 (P-39) 1989	*BDL(<0.05)	mg/l

*BDL- Below Detection Limit

End of Report

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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 : Samodi Pond

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000448F

Report No. : VTLW/2406180022/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°21'2" & 74°32'50"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.86	--
2	Turbidity	IS : 3025 (P- 10) : 1984, RA 2017	4.9	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 1984, RA 2017	707.00	mg/l
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	152.08	mg/l
5	Sulphate as (SO4)	IS: 3025 (P- 24) : 1986, Sec.RA 2022	58.64	mg/l
6	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(<5.0)	mg/l
7	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	260.00	mg/l
8	Calcium (as Ca)	IS : 3025 (P-40) : 1991 RA 2019	70.14	mg/l
9	Magnesium (as Mg)	IS : 3025 (P- 46) : 1994, RA 2019	20.66	mg/l
10	Fluoride (as F)	APHA 23rd Edition, 4500D, 2017	0.85	mg/l
11	Nitrate (as NO3)	IS: 3025 (P- 34) : 1988 RA 2022	18.94	mg/l
12	Total Coliform	IS 15185: 2016	Present	MPN
13	Total Alkalinity (CaCO3)	IS: 3025 (P-23) :1986,RA 2019	285.00	mg/l
14	Iron (as Fe)	APHA 23rd Edition,3111B, 2017	0.51	mg/l
15	Zinc (as Zn)	APHA 23rd Edition, 3030D,3113B, 2017	0.71	mg/l
16	Copper (as Cu)	APHA 23rd edition, 3111B, 2017	*BDL(<0.02)	mg/l
17	Manganese (as Mn)	APHA 23rd Edition, 3030D,3113B, 2017	*BDL(<0.05)	mg/l
18	Lead (as Pb)	APHA 23rd Edition, 3030D,3113B, 2017	*BDL(<0.005)	mg/l
19	Arsenic (as As)	APHA 23rd Edition, 3030D,3114C, 2017	*BDL(<0.005)	mg/l
20	E Coli	IS :15185 : 2016	Present	P-A/100 ML
21	Boron (as B)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.2)	mg/l
22	Chromium (as Cr)	APHA 23rd Edition,3113B, 2017	*BDL(<0.02)	mg/l



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TEST REPORT



VIBRANT

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Sample Number : VTL/SW/20

ULR No. : TC1122724000000448F

Report No. : VTL/W/2406180022/A

S.No.	Test Parameters	Test Method	Results	Unit
23	Cadmium (as Cd)	APHA 23rd Edition,3113B, 2017	*BDL(<0.002)	mg/l
24	Selenium (as Se)	APHA 23rd Edition,3114C, 2017	*BDL(<0.005)	mg/l
25	Mercury (as Hg)	APHA 23rd Edition,3114C, 2017	*BDL(<0.001)	mg/l
26	Phenolic Compounds	APHA 23rd Edition,5530C, 2017	*BDL(<0.05)	mg/l
27	Nickel (as Ni)	APHA 23rd Edition,3030D, 3113B, 2017	*BDL(<0.01)	mg/l

*BDL- Below Detection Limit

End of Report



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TEST REPORT

VIBRANT
"Experience the unimaginable"

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 : Samodi Pond

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTLW/2406180022/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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(<5.0)	CU
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--
4	Phosphorus (P)	IS : 3025 (P-31) :1988, RA 2022	1.10	mg/l
5	Potassium (as K)	APHA 23rd Edition, 3030D,3113B, 2017	14.50	mg/l
6	Residual Free Chlorine (RFC)	IS : 3025 (P-26) :2021	*BDL(<0.2)	mg/l
7	Cyanide (as CN)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.02)	mg/l
8	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(<0.03)	mg/l
9	Total Pesticides	APHA 23rd Edition ,3111B, 2017	*BDL(<0.01)	mg/l
10	Calcium Hardness (as CaCO ₃)	IS: 3025 (P-40) : 1991 RA 2019	175.00	mg/l
11	Anionic Detergents (MBAS)	APHA 23rd ed., 2017, 5530C	*BDL(<0.02)	mg/l
12	Mineral Oil	IS : 3025 (P-39) 1989	*BDL(<0.05)	mg/l

*BDL- Below Detection Limit

End of Report

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TEST REPORT



TC-11227

VIBRANT

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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 : Kothari River

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000446F

Report No. : VTL/W/2406180020/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'49" & 74°33'16"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	8.06	--
2	Turbidity	IS : 3025 (P- 10) : 1984, RA 2017	5.1	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 1984, RA 2017	611.00	mg/l
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	133.65	mg/l
5	Sulphate as (SO4)	IS: 3025 (P- 24) : 1986, Sec. RA 2022	66.36	mg/l
6	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(<5.0)	mg/l
7	Total Hardness (CaCO3)	IS: 3025 (P- 21) : 2009, RA 2019	290.00	mg/l
8	Calcium (as Ca)	IS : 3025 (P-40) : 1991 RA 2019	66.13	mg/l
9	Magnesium (as Mg)	IS : 3025 (P- 46) : 1994, RA 2019	30.37	mg/l
10	Fluoride (as F)	APHA 23rd Edition, 4500D, 2017	0.80	mg/l
11	Nitrate (as NO3)	IS: 3025 (P- 34) : 1988 RA 2022	31.31	mg/l
12	Total Coliform	IS 15185; 2016	Present	MPN
13	Total Alkalinity (CaCO3)	IS: 3025 (P-23) :1986, RA 2019	225.00	mg/l
14	Iron (as Fe)	APHA 23rd Edition, 3111B, 2017	0.50	mg/l
15	Zinc (as Zn)	APHA 23rd Edition, 3030D, 3113B, 2017	0.66	mg/l
16	Copper (as Cu)	APHA 23rd edition, 3111B, 2017	*BDL(<0.02)	mg/l
17	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.05)	mg/l
18	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.005)	mg/l
19	Arsenic (as As)	APHA 23rd Edition, 3030D, 3114C, 2017	*BDL(<0.005)	mg/l
20	E Coli	IS :15185 : 2016	Present	P-A/100 ML
21	Boron (as B)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.2)	mg/l
22	Chromium (as Cr)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.02)	mg/l



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TEST REPORT



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Sample Number : VTL/SW/18

ULR No. : TC112272400000446F

Report No. : VTL/W/2406180020/A

S.No.	Test Parameters	Test Method	Results	Unit
23	Cadmium (as Cd)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.002)	mg/l
24	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l
25	Mercury (as Hg)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.001)	mg/l
26	Phenolic Compounds	APHA 23rd Edition, 5530C, 2017	*BDL(<0.05)	mg/l
27	Nickel (as Ni)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.01)	mg/l

*BDL- Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

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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 : Kothari River

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180020/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

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(<5.0)	CU
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--
4	Phosphorus (P)	IS : 3025 (P-31) :1988, RA 2022	0.85	mg/l
5	Potassium (as K)	APHA 23rd Edition, 3030D,3113B, 2017	17.75	mg/l
6	Residual Free Chlorine (RFC)	IS : 3025 (P-26) :2021	*BDL(<0.2)	mg/l
7	Cyanide (as CN)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.02)	mg/l
8	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(<0.03)	mg/l
9	Total Pesticides	APHA 23rd Edition ,3111B, 2017	*BDL(<0.01)	mg/l
10	Calcium Hardness (as CaCO ₃)	IS: 3025 (P-40) : 1991 RA 2019	164.99	mg/l
11	Anionic Detergents (MBAS)	APHA 23rd ed., 2017, 5530C	*BDL(<0.02)	mg/l
12	Mineral Oil	IS : 3025 (P-39) 1989	*BDL(<0.05)	mg/l

*BDL- Below Detection Limit

End of Report

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**VIBRANT**

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TEST REPORT

TC-11227

Sample Number : VTL/SW/15

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

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

Sample Description : SURFACE WATER

Sampling Location : Tiranga Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122724000000443F

Report No. : VTL/W/2406180017/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'10" & 74°31'47"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.36	--
2	Turbidity	IS : 3025 (P- 10) : 1984, RA 2017	*BDL(<1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 1984, RA 2017	1327.00	mg/l
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	442.15	mg/l
5	Sulphate as (SO ₄)	IS: 3025 (P- 24) : 1986, Sec.RA 2022	148.15	mg/l
6	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(<5.0)	mg/l
7	Total Hardness (CaCO ₃)	IS: 3025 (P- 21) : 2009, RA 2019	465.00	mg/l
8	Calcium (as Ca)	IS : 3025 (P-40) : 1991 RA 2019	120.24	mg/l
9	Magnesium (as Mg)	IS : 3025 (P- 46) : 1994, RA 2019	40.10	mg/l
10	Fluoride (as F)	APHA 23rd Edition, 4500D, 2017	0.96	mg/l
11	Nitrate (as NO ₃)	IS: 3025 (P- 34) : 1988 RA 2022	26.58	mg/l
12	Total Coliform	IS 15185; 2016	Present	MPN
13	Total Alkalinity (CaCO ₃)	IS: 3025 (P-23) :1986, RA 2019	500.0	mg/l
14	Iron (as Fe)	APHA 23rd Edition, 3111B, 2017	0.61	mg/l
15	Zinc (as Zn)	APHA 23rd Edition, 3030D, 3113B, 2017	0.81	mg/l
16	Copper (as Cu)	APHA 23rd edition, 3111B, 2017	*BDL(<0.02)	mg/l
17	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.05)	mg/l
18	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.005)	mg/l
19	Arsenic (as As)	APHA 23rd Edition, 3030D, 3114C, 2017	*BDL(<0.005)	mg/l
20	E Coli	IS :15185 : 2016	Present	P-A/100 ML
21	Boron (as B)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.2)	mg/l
22	Chromium (as Cr)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.02)	mg/l



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Sample Number : VTL/SW/15

TEST REPORT

TC-11227

ULR No. : TC1122724000000443F

Report No. : VTL/W/2406180017/A

S.No.	Test Parameters	Test Method	Results	Unit
23	Cadmium (as Cd)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.002)	mg/l
24	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l
25	Mercury (as Hg)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.001)	mg/l
26	Phenolic Compounds	APHA 23rd Edition, 5530C, 2017	*BDL(<0.05)	mg/l
27	Nickel (as Ni)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.01)	mg/l

*BDL- Below Detection Limit

End of Report

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/SW/15

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

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

Sample Description : SURFACE WATER

Sampling Location : Tiranga Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180017/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 25°19'10" & 74°31'47"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(<5.0)	CU
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--
4	Phosphorus (P)	IS : 3025 (P-31) : 1988, RA 2022	1.63	mg/l
5	Potassium (as K)	APHA 23rd Edition, 3030D, 3113B, 2017	16.87	mg/l
6	Residual Free Chlorine (RFC)	IS : 3025 (P-26) : 2021	*BDL(<0.2)	mg/l
7	Cyanide (as CN)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.02)	mg/l
8	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(<0.03)	mg/l
9	Total Pesticides	APHA 23rd Edition, 3111B, 2017	*BDL(<0.01)	mg/l
10	Calcium Hardness (as CaCO ₃)	IS : 3025 (P-40) : 1991 RA 2019	300.00	mg/l
11	Anionic Detergents (MBAS)	APHA 23rd ed., 2017, 5530C	*BDL(<0.02)	mg/l
12	Mineral Oil	IS : 3025 (P-39) 1989	*BDL(<0.05)	mg/l

*BDL- Below Detection Limit

End of Report

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Sample Number : VTL/SW/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- Bhitwara Rajasthan

Sample Description : SURFACE WATER

Sampling Location : Dhulkhera Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000444F

Report No. : VTL/W/2406180018/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'47" & 74°34'41"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.81	--
2	Turbidity	IS : 3025 (P- 10) : 1984, RA 2017	*BDL(<1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 1984, RA 2017	1300.00	mg/l
4	Chloride (as Cl)	IS : 3025 (P-32) : 1988, RA 2019	391.72	mg/l
5	Sulphate as (SO4)	IS : 3025 (P- 24) : 1986, Sec. RA 2022	140.43	mg/l
6	Total Suspended Solids (TSS)	IS : 3025 (P-17) : 2022	*BDL(<5.0)	mg/l
7	Total Hardness (CaCO3)	IS : 3025 (P- 21) : 2009, RA 2019	475.00	mg/l
8	Calcium (as Ca)	IS : 3025 (P-40) : 1991 RA 2019	118.24	mg/l
9	Magnesium (as Mg)	IS : 3025 (P- 46) : 1994, RA 2019	43.74	mg/l
10	Fluoride (as F)	APHA 23rd Edition, 4500D, 2017	0.91	mg/l
11	Nitrate (as NO3)	IS : 3025 (P- 34) : 1988 RA 2022	31.71	mg/l
12	Total Coliform	IS 15185: 2016	Present	MPN
13	Total Alkalinity (CaCO3)	IS : 3025 (P-23) : 1986, RA 2019	495.00	mg/l
14	Iron (as Fe)	APHA 23rd Edition, 3111B, 2017	0.80	mg/l
15	Zinc (as Zn)	APHA 23rd Edition, 3030D, 3113B, 2017	0.92	mg/l
16	Copper (as Cu)	APHA 23rd edition, 3111B, 2017	*BDL(<0.02)	mg/l
17	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.05)	mg/l
18	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.005)	mg/l
19	Arsenic (as As)	APHA 23rd Edition, 3030D, 3114C, 2017	*BDL(<0.005)	mg/l
20	E Coli	IS : 15185 : 2016	Present	P-A/100 ML
21	Boron (as B)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.2)	mg/l
22	Chromium (as Cr)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.02)	mg/l



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TEST REPORT



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Sample Number : VTL/SW/16

ULR No. : TC112272400000444F

Report No. : VTL/W/2406180018/A

S.No.	Test Parameters	Test Method	Results	Unit
23	Cadmium (as Cd)	APHA 23rd Edition,3113B ,2017	*BDL(<0.002)	mg/l
24	Selenium (as Se)	APHA 23rd Edition,3114C, 2017	*BDL(<0.005)	mg/l
25	Mercury (as Hg)	APHA 23rd Edition,3114C, 2017	*BDL(<0.001)	mg/l
26	Phenolic Compounds	APHA 23rd Edition,5530C, 2017	*BDL(<0.05)	mg/l
27	Nickel (as Ni)	APHA 23rd Edition ,3030D, 3113B, 2017	*BDL(<0.01)	mg/l

*BDL- Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

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

Report No. : VTL/W/2406180018/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 25°23'47" & 74°34'41"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(<5.0)	CU
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--
4	Phosphorus (P)	IS : 3025 (P-31) : 1988, RA 2022	1.59	mg/l
5	Potassium (as K)	APHA 23rd Edition, 3030D, 3113B, 2017	14.50	mg/l
6	Residual Free Chlorine (RFC)	IS : 3025 (P-26) : 2021	*BDL(<0.2)	mg/l
7	Cyanide (as CN)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.02)	mg/l
8	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(<0.03)	mg/l
9	Total Pesticides	APHA 23rd Edition, 3111B, 2017	*BDL(<0.01)	mg/l
10	Calcium Hardness (as CaCO ₃)	IS : 3025 (P-40) : 1991 RA 2019	295.01	mg/l
11	Anionic Detergents (MBAS)	APHA 23rd ed., 2017, 5530C	*BDL(<0.02)	mg/l
12	Mineral Oil	IS : 3025 (P-39) 1989	*BDL(<0.05)	mg/l

*BDL- Below Detection Limit

End of Report

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TEST REPORT



TC-11227

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 : Suras Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272400000445F

Report No. : VTL/W/2406180019/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'30" & 74°34'7"

S.No.	Test Parameters	Test Method	Results	Unit
1	pH value	IS : 3025 (P-11) : 2022	7.64	--
2	Turbidity	IS : 3025 (P- 10) : 1984, RA 2017	*BDL(<1.0)	NTU
3	Total Dissolved Solids (TDS)	IS : 3025 (P-16) : 1984, RA 2017	988.00	mg/l
4	Chloride (as Cl)	IS: 3025 (P-32) : 1988, RA 2019	244.25	mg/l
5	Sulphate as (SO ₄)	IS: 3025 (P- 24) : 1986, Sec. RA 2022	94.14	mg/l
6	Total Suspended Solids (TSS)	IS: 3025 (P-17) : 2022	*BDL(<5.0)	mg/l
7	Total Hardness (CaCO ₃)	IS: 3025 (P- 21) : 2009, RA 2019	390.00	mg/l
8	Calcium (as Ca)	IS : 3025 (P-40) : 1991 RA 2019	98.20	mg/l
9	Magnesium (as Mg)	IS : 3025 (P- 46) : 1994, RA 2019	35.23	mg/l
10	Fluoride (as F)	APHA 23rd Edition, 4500D, 2017	0.87	mg/l
11	Nitrate (as NO ₃)	IS: 3025 (P- 34) : 1988 RA 2022	28.95	mg/l
12	Total Coliform	IS 15185; 2016	Present	MPN
13	Total Alkalinity (CaCO ₃)	IS: 3025 (P-23):1986, RA 2019	375.00	mg/l
14	Iron (as Fe)	APHA 23rd Edition, 3111B, 2017	0.62	mg/l
15	Zinc (as Zn)	APHA 23rd Edition, 3030D, 3113B, 2017	0.76	mg/l
16	Copper (as Cu)	APHA 23rd edition, 3111B, 2017	*BDL(<0.02)	mg/l
17	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.05)	mg/l
18	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.005)	mg/l
19	Arsenic (as As)	APHA 23rd Edition, 3030D, 3114C, 2017	*BDL(<0.005)	mg/l
20	E Coli	IS :15185 : 2016	Present	P-A/100 ML
21	Boron (as B)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.2)	mg/l
22	Chromium (as Cr)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.02)	mg/l



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TEST REPORT



TC-11227

VIBRANT

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Sample Number : VTL/SW/17

ULR No. : TC1122724000000445F

Report No. : VTL/W/2406180019/A

S.No.	Test Parameters	Test Method	Results	Unit
23	Cadmium (as Cd)	APHA 23rd Edition, 3113B, 2017	*BDL(<0.002)	mg/l
24	Selenium (as Se)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.005)	mg/l
25	Mercury (as Hg)	APHA 23rd Edition, 3114C, 2017	*BDL(<0.001)	mg/l
26	Phenolic Compounds	APHA 23rd Edition, 5530C, 2017	*BDL(<0.05)	mg/l
27	Nickel (as Ni)	APHA 23rd Edition, 3030D, 3113B, 2017	*BDL(<0.01)	mg/l

*BDL- Below Detection Limit

End of Report



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TEST REPORT

VIBRANT

"Experience the unimaginable"

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 : Suras Pit

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2406180019/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°23'30" & 74°34'7"

S.No.	Test Parameters	Test Method	Results	Unit
1	Colour	IS : 3025 (P-4) : 2021	*BDL(<5.0)	CU
2	Odour	IS : 3025 (P-5) : 2018	Agreeable	--
3	Taste	IS : 3025 (P-8) : 1984 RA 2017	Agreeable	--
4	Phosphorus (P)	IS : 3025 (P-31) : 1988, RA 2022	1.30	mg/l
5	Potassium (as K)	APHA 23rd Edition, 3030D, 3113B, 2017	19.75	mg/l
6	Residual Free Chlorine (RFC)	IS : 3025 (P-26) : 2021	*BDL(<0.2)	mg/l
7	Cyanide (as CN)	APHA 23rd Edition, 4500D, 2017	*BDL(<0.02)	mg/l
8	Aluminium (as Al)	IS : 3025 : (P-55) 2003, RA 2019	*BDL(<0.03)	mg/l
9	Total Pesticides	APHA 23rd Edition, 3111B, 2017	*BDL(<0.01)	mg/l
10	Calcium Hardness (as CaCO ₃)	IS : 3025 (P-40) : 1991 RA 2019	245.01	mg/l
11	Anionic Detergents (MBAS)	APHA 23rd ed., 2017, 5530C	*BDL(<0.02)	mg/l
12	Mineral Oil	IS : 3025 (P-39) 1989	*BDL(<0.05)	mg/l

*BDL- Below Detection Limit

End of Report

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

ULR No. : TC1122724000000419F
Report No. : VTL/WW/2406180001/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'6" & 74°32'16"

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.42	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	13.40	mg/l	100
3	Oil & Grease	IS:3025 (P-39): 2021	BDL(<4.0)	mg/l	10
4	Residual Chlorine	IS: 3025 (P-26): 2021	0.35	mg/l	1
5	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	5.04	mg/l	50
6	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	10.08	mg/l	100
7	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	12.60	mg/l	30
8	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	59.28	mg/l	250
9	Sulphide (as S)	IS: 3025 (P-29) : 2022	0.48	mg/l	2
10	Nitrate (as NO ₃)	IS: 3025 (P-34) Chromotropic Method, RA 2019	8.69	mg/l	--

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TEST REPORT

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Sample Number : VTL/WW/01

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 -A
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTL/WW/2406180001/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 25/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 15/06/2024
Sampling Type : Grab
Sample Quantity : 2 Litr.
Coordinates : 25°19'6" & 74°32'16"

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA. 2019	154.20	mg/l	--
2	Fecal Coliform	APHA 24th Edition 9221 C	39.0	MPN/100 ml	---

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Sample Number : VTL/WW/02

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. : TC112272400000420F

Report No. : VTL/WW/2406180002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'10" & 74°32'17"

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.38	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	11.40	mg/l	100
3	Oil & Grease	IS:3025 (P-39): 2021	BDL(<4.0)	mg/l	10
4	Residual Chlorine	IS: 3025 (P-26): 2021	0.29	mg/l	1
5	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	5.32	mg/l	50
6	Total Kjeldahl Nitrogen (as NH ₃)	IS: 3025 (P-34): 1988, RA 2022 (Macro Kjeldahl Method)	12.04	mg/l	100
7	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 2023	10.80	mg/l	30
8	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2023	49.40	mg/l	250
9	Sulphide (as S)	IS: 3025 (P-29) : 2022	0.48	mg/l	2
10	Nitrate (as NO ₃)	IS: 3025 (Pt-34) Chromotropic Method, RA 2019	7.32	mg/l	--

End of Report

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Sample Number : VTL/WW/02

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

Report No. : VTL/WW/2406180002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 25/06/2024

Period of Analysis : 18/06/2024-25/06/2024

Receipt Date : 18/06/2024

Sampling Date : 15/06/2024

Sampling Type : Grab

Sample Quantity : 2 Litr.

Coordinates : 25°19'10" & 74°32'17"

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA: 2019	138.79	mg/l	--
2	Fecal Coliform	APHA 24th Edition 9221 C	33.00	MPN/100 ml	---

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Sample Number : VTL/AN/01

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

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

Report No. : VTL/N/2406180001/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Pur Village
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	52.4	43.7

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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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

Report No. : VTL/N/2406180007/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Dariba Village
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024 To 13/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	52.7	42.1

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 5.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 5.00 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/05
Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan
Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2406180005/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Kanoli Village
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024 To 13/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 24°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	52.9	41.6

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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Sample Number : VTL/AN/04

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

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

Report No. : VTL/N/2406180004/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
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 : 11/06/2024 To 12/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	53.9	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

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Sample Number : VTL/AN/02

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

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

Report No. : VTL/N/2406180002/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
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 : 11/06/2024 To 12/06/2024
Time of Monitoring : 05:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	53.1	41.9

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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Sample Number : VTL/AN/03

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

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

Report No. : VTL/N/2406180003/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Suras Village
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	53.9	43.6

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

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

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

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

TC-11227

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/2406180006/A

Format No : 7.8 F-04

Party Reference No : NIL

Report Date : 25/06/2024

Receipt Date : 18/06/2024

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

General Information:-

Sampling Location : Dhulkhera Village

Instrument Code : VTL/SLM/02

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 12/06/2024 To 13/06/2024

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

Ambient Temperature (°C) : Min. 24°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	53.1	42.3

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

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

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

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**VIBRANT***"Experience the unimaginable"*

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/2406180008/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Raw Material Storage Yard
Instrument Code : VTL/SLM/04
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024 To 13/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	53.8	42.5

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

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

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

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

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

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

End of Report



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TEST REPORT

**VIBRANT**

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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- Bhiwara Rajasthan

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

Report No. : VTL/N/2406180009/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : 10 Mtr. Distance from Loading Point Suras Pit
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2024 To 14/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 24°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	56.1	45.3

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

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

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

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

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

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

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TEST REPORT



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Sample Number : VTL/AN/10

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

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

Report No. : VTL/N/2406180010/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : 10 Mtr. Distance from Loading Dhulkheda Pit
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2024 To 14/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 41°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	Leq	IS 9989 - 1981 RA:2020	58.3	46.8

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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**VIBRANT**

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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

Report No. : VTL/N/2406180011/A
 Format No : 7.8 F-04
 Party Reference No : NIL
 Report Date : 25/06/2024
 Receipt Date : 18/06/2024
 Sampling Duration : 24 Hrs.
 Sample Collected : VTL Team
 Instrument : Calibrated
 Calibration Status :

General Information:-

Sampling Location : 10 Mtr. Distance from Loading Tiranga Pit
 Instrument Code : VTL/SLM/03
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 13/06/2024 To 14/06/2024
 Time of Monitoring : 06:00 TO 06:00 Hrs.
 Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	57.3	44.6

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.

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TEST REPORT



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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

Report No. : VTL/N/2406180012/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Nr. Central Store/ Tata Blue Shed
Instrument Code : VTL/SLM/04
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/06/2024 To 14/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	54.1	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.

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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- Bhitwara Rajasthan

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

Report No. : VTL/N/2406180013/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
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 : 14/06/2024 To 15/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	59.1	45.8

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/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/2406180014/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
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 : 14/06/2024 To 15/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	54.9	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**

"Experience the unimaginable"

Sample Number : VTL/AN/15

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

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

Report No. : VTL/N/2406180015/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status :

General Information:-

Sampling Location : Nr. BFN CCR Building
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2024 To 15/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	57.3	42.9

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

End of Report



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Rohi



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**VIBRANT***"Experience the unimaginable"*

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/2406180016/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
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 : 14/06/2024 To 15/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	53.8	43.5

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/17
Name & Address of the Party : M/S Jindal Saw Ltd.
Dhedwas Iron Ore Mines & Mineral Beneficiation
Plant (ML No.: 631/05), Near Tiranga Hill, Village-
Pur, Tehsil & District- Bhilwara Rajasthan
Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

Report No. : VTL/N/2406180017/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 25/06/2024
Receipt Date : 18/06/2024
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 : 14/06/2024 To 15/06/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 29°C Max. 40°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	Leq	IS 9989 - 1981 RA:2020	54.1	42.8

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

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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