



Test Report

Sample Number : VEL/AP/05
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131049
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006563F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mandal Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/01 & VOCS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 09:45 AM To 09:45 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	48.62	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	86.15	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	274.44	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	18.00	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	14.25	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	23.60	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9) :1974 RA:2019	20.16	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

Reviewed By



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Test Report

Sample Number : VEL/AP/05

Report No. : VEL/AP/2506131049

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.67	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

Reviewed By

Kumar
23/06/25

Authorized Signatory

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Test Report

Sample Number : VEL/AP/06
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131050
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006564F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Banera Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/02 & VOCS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 10:35 AM To 10:35 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	46.04	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	91.13	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	251.86	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	21.23	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	17.10	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	26.00	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9):1974 RA:2019	23.65	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

Reviewed By



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Test Report

Page No. 2/2

Sample Number : VEL/AP/06

Report No. : VEL/AP/2506131050

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m ³	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m ³	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.75	mg/m ³	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

Reviewed By



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Test Report

Page No. 1/2

Sample Number : VEL/AP/07
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131051
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006565F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mahua Khurd
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/03 & VOCS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 11:20 AM To 11:20 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	54.33	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	94.94	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	273.75	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	21.04	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	16.11	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	27.80	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9):1974 RA:2019	24.24	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

Reviewed By



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Test Report

Sample Number : VEL/AP/07

Report No. : VEL/AP/2506131051

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m ³	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m ³	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.72	mg/m ³	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

Reviewed By

Devendra Kumar
23/06/25
Devendra Kumar
Dy. Technical Manager

Authorized Signatory
Prakash Singh

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Test Report

Sample Number : VEL/AP/08
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131052
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006566F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Chimanpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/04 & VOCS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 11:55 AM To 11:55 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	53.37	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	87.88	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	271.03	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006 RA:2022	17.19	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	14.96	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	22.80	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	19.42	µg/m3	180
8	Benzene as (C6H6)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m3	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m3	1

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Test Report

Sample Number : VEL/AP/08

Report No. : VEL/AP/2506131052

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.69	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification,LOQ-Limit of Quantification.

End of Report

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Test Report

Sample Number : VEL/AP/01
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131045
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006559F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/01 & VOCS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 09:10 AM To 09:10 AM
Ambient Temperature (°C) : Min.29°C, Max.45°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	55.70	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	90.44	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	250.22	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA,2022	17.94	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	12.32	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	24.80	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9) :1974 RA:2019	16.66	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA,2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

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Test Report

Sample Number : VEL/AP/01

Report No. : VEL/AP/2506131045

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m ³	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m ³	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.76	mg/m ³	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

Reviewed By

[Signature]
23/08/25
Devedra Kumar
Dr. Technical Manager

Authorized Signatory

[Signature]
Dr. Shiv Prakash Singh

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Test Report

Page No. 1/2

Sample Number : VEL/AP/02
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131046
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006560F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Davpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/02 & VOCS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 09:40 AM To 09:40 AM
Ambient Temperature (°C) : Min.29°C, Max.45°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	52.83	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	84.07	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	240.47	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	20.64	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	15.60	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	22.80	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9) :1974 RA:2019	21.27	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

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Test Report

Sample Number : VEL/AP/02

Report No. : VEL/AP/2506131046

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.-.01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.74	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

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Test Report

Sample Number : VEL/AP/03
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131047
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006561F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/03 & VOCS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 10:25 AM To 10:25 AM
Ambient Temperature (°C) : Min.29°C, Max.45°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	48.41	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	80.91	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	261.81	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	23.96	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	20.38	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	25.00	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9):1974 RA:2019	25.11	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No. - 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

Reviewed By

23/06/25
Devesh Kumar
Dy. Technical Manager
VARDAN ENVIROLAB LLP
GURUGRAM

Authorized Signatory

Anshu Singh
Authorized Signatory
VARDAN ENVIROLAB LLP
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Test Report

Sample Number : VEL/AP/03

Report No. : VEL/AP/2506131047

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.77	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Page No. 1/2

Sample Number : VEL/AP/04
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131048
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-21/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006562F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/04 & VOCS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 11:00 AM To 11:00 AM
Ambient Temperature (°C) : Min.29°C, Max.45°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	55.68	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	87.02	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	263.60	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	14.90	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	11.82	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	22.60	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9) :1974 RA:2019	16.91	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No - 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m ³	1

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Test Report

Page No. 2/2

Sample Number : VEL/AP/04

Report No. : VEL/AP/2506131048

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m ³	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m ³	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.71	mg/m ³	4

#-indicates 1 hour monitoring of CO & Ozone

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/AP/01
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)
Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2506271072
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 02/07/2025
Period of Analysis : 27/06/2025-02/07/2025
Receipt Date : 27/06/2025
ULR No. : TC629925200006931F

General Information

Sampling Location : Village-Kamalpura
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/INS/ENV/RDS/01 & FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/06/2025 To 27/06/2025
Time of Monitoring : 09:30 AM To 09:30 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	45.40	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	89.79	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	247.74	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	24.95	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	17.51	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.65	mg/m3	4

Note - # indicates 1 hour monitoring of CO.

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/AP/02
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506271073
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 02/07/2025
Period of Analysis : 27/06/2025-02/07/2025
Receipt Date : 27/06/2025
ULR No. : TC629925200006932F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Village-Lampiya
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/INS/ENV/RDS/02 & FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/06/2025 To 27/06/2025
Time of Monitoring : 09:55 AM To 09:55 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	49.40	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	84.63	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	244.37	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	25.35	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	18.43	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.68	mg/m3	4

Note - # indicates 1 hour monitoring of CO.

End of Report

Reviewed By

22/07/25
DEVENDRA KUMAR
Dy. Technical Manager
VARDAN ENVIROLAB LLP

Authorized Signatory

02/07/25
DR. SHIV PRAKASH SINGH
VARDAN ENVIROLAB LLP
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Test Report

Page No. 1/1

Sample Number : VEL/AP/03
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)
Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2506271074
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 02/07/2025
Period of Analysis : 27/06/2025-02/07/2025
Receipt Date : 27/06/2025
ULR No. : TC629925200006933F

General Information

Sampling Location : Village-Jaliya
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/INS/ENV/RDS/03 & FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/06/2025 To 27/06/2025
Time of Monitoring : 10:40 AM To 10:40 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	46.24	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	85.42	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	242.87	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	24.90	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	17.85	µg/m ³	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.64	mg/m ³	4

Note - # indicates 1 hour monitoring of CO.

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Test Report

Page No. 1/1

Sample Number : VEL/AP/04

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506271075

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 02/07/2025

Period of Analysis : 27/06/2025-02/07/2025

Receipt Date : 27/06/2025

ULR No. : TC629925200006934F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Village-Devpura
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/INS/ENV/RDS/04 & FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 26/06/2025 To 27/06/2025
Time of Monitoring : 11:30 AM To 11:30 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours.
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	48.94	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	87.60	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	250.02	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006, RA:2022	22.70	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	15.75	µg/m ³	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.68	mg/m ³	4

Note - # indicates 1 hour monitoring of CO.

End of Report

Reviewed By

[Signature]
02/07/25
VARDAN ENVIROLAB LLP
Devesh Kumar
Dy. Technical Manager

Authorized Signatory
[Signature]
VARDAN ENVIROLAB LLP
Prakash Singh
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Test Report

Page No. 1/1

Sample Number : VEL/AP/19
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)
Name of Sample : Fugitive Dust monitoring
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2506131063
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006577F

General Information

Sampling Location : One Storage Loading Point
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS
Instrument Code : VEL/INS/ENV/RDS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025
Time of Monitoring : 10:00 AM To 06:00 PM
Ambient Temperature (°C) : 39.0
Surrounding Activity : Human & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : Fugitive Emission
Sampling Duration : 8.0 Hour
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Unit	Limit as per CPCB
Discipline : Chemical					
1	Suspended Particulate Matter (as SPM)	VEL/EN/STP/164, Issue No.-01 dated on 01/11/2023	406.25	µg/m ³	600.0

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Test Report

Page No. 1/1

Sample Number : VEL/AP/20
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)
Name of Sample : Fugitive Dust monitoring
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2506131064
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006578F

General Information

Sampling Location : Haul Road
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS
Instrument Code : VEL/INS/ENV/RDS/07
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025
Time of Monitoring : 10:30 AM To 06:30 PM
Ambient Temperature (°C) : 38.0
Surrounding Activity : Human & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : Fugitive Emission
Sampling Duration : 8.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Unit	Limit as per CPCB
Discipline : Chemical					
1	Suspended Particulate Matter (as SPM)	VEL/EN/STP/164, Issue No.-01 dated on 01/11/2023	369.78	µg/m ³	600.0

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Test Report

Page No. 1/4

Sample Number : VEL/GW/01
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131004
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Jaliya Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006510F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.29	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	310.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	80.16	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	334.82	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	131.16	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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TC-6299

Test Report

Page No. 2/4

Sample Number : VEL/GW/01

Report No. : VEL/W/2506131004

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	26.63	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	750.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	100.84	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.37	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	4.62	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68.: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.181	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.063	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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Test Report

Sample Number : VEL/GW/01

Report No. : VEL/W/2506131004

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

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Sample Number : VEL/GW/01

Report No. : VEL/W/2506131004

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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VARUNA BISHWAS

Microbiologist

Varuna
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Test Report

Page No. 1/1

Sample Number : VEL/GW/01
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131004/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Jaliya Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	200.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Page No. 1/4

Sample Number : VEL/GW/02
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131005
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Devpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006511F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.35	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BL(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	300.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	72.14	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	306.45	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	160.02	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2506131005

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	29.07	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	684.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	85.85	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.33	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	15.46	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.149	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.087	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.087	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2506131005

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

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Sample Number : VEL/GW/02

Report No. : VEL/W/2506131005

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLO-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS
Microbiologist

Varuna
21/06/25
Reviewed By



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Test Report

Sample Number : VEL/GW/02
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131005/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Devpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	180.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Page No. 1/4

Sample Number : VEL/GW/03
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131006
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Kamalpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006512F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.21	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	320.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	88.17	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	414.27	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	191.50	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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Test Report

Sample Number : VEL/GW/03

Report No. : VEL/W/2506131006

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	24.19	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	780.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	73.74	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.36	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	7.25	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.191	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.063	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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Test Report

Sample Number : VEL/GW/03

Report No. : VEL/W/2506131006

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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21/06/23



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21/06/23
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Test Report

Page No. 4/4

Sample Number : VEL/GW/03

Report No. : VEL/W/2506131006

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS

Microbiologist

Varuna
21/06/25
Reviewed By



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Test Report

Page No. 1/1

Sample Number : VEL/GW/03
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131006/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Kamalpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	220.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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TC-6299

Test Report

Page No. 1/4

Sample Number : VEL/GW/04
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131007
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Village
Sample Collected by : VEL Representative (Mr. Kamiesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006513F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.29	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	290.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	64.12	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	295.10	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	199.37	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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Test Report

Sample Number : VEL/GW/04

Report No. : VEL/W/2506131007

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	31.51	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	688.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	67.60	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.35	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	10.91	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.191	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.065	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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21/06/2023



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Test Report

Page No. 3/4

Sample Number : VEL/GW/04

Report No. : VEL/W/2506131007

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbon(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

Sample Number : VEL/GW/04

Report No. : VEL/W/2506131007

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Qauntification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS
Microbiologist
Varuna
21/06/25
Reviewed By

VARDAN ENVIROLAB LLP
Authorized Signatory
21/06/25

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Test Report

Page No. 1/1

Sample Number : VEL/GW/04
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131007/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	160.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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TC-6299

Test Report

Page No. 1/4

Sample Number : VEL/GW/05
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131008
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Mine
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006514F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.36	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	280.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	68.13	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	289.42	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	188.87	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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Test Report

Sample Number : VEL/GW/05

Report No. : VEL/W/2506131008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	26.65	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	702.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	67.51	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.41	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	12.67	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.185	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.063	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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Test Report

Sample Number : VEL/GW/05

Report No. : VEL/W/2506131008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.001)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

Page No. 4/4

Sample Number : VEL/GW/05

Report No. : VEL/W/2506131008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS

Microbiologist

Varuna
21/06/25
Reviewed By



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Test Report

Sample Number : VEL/GW/05
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131008/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 11/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Mine
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	180.00	mg/L	--	--

BLQ-Below Limit of Quantification,LOQ-Limit of Quantification.

End of Report

Reviewed By

[Handwritten Signature]
21/06/25



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Test Report

Sample Number : VEL/GW/06
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131009
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Chamanpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006515F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.56	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	240.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	64.12	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	232.67	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	125.91	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

Reviewed By 21/06/25



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Test Report

Sample Number : VEL/GW/06

Report No. : VEL/W/2506131009

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	19.36	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	500.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	51.25	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.28	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	11.47	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	0.186	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	0.064	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

Reviewed By  21/06/2023


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Test Report

Sample Number : VEL/GW/06

Report No. : VEL/W/2506131009

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01,Issue date 01/11/2023	BLQ(LOQ-0.001)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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21/06/25




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Test Report

Page No. 4/4

Sample Number : VEL/GW/06

Report No. : VEL/W/2506131009

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	-	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS
Microbiologist
Varuna
21/06/25
Reviewed By

Varuna
21/06/25
Authorized Signatory

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Test Report

Page No. 1/1

Sample Number : VEL/GW/06
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131009/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Chamanpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	160.00	mg/L	--	--

BLQ-Below Limit of Qauntification, LOQ-Limit of Quantification.

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Test Report

Page No. 1/4

Sample Number : VEL/GW/07
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131010
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Banera Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006516F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.32	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	430.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	96.19	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	334.82	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	123.29	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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TC-6299

Test Report

Page No. 2/4

Sample Number : VEL/GW/07

Report No. : VEL/W/2506131010

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	46.05	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	664.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	71.87	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.28	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	10.29	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.189	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.062	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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TC-6299

Test Report

Page No. 3/4

Sample Number : VEL/GW/07

Report No. : VEL/W/2506131010

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

Sample Number : VEL/GW/07

Report No. : VEL/W/2506131010

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Qauntification, LOQ-Limit of Quantification.

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VARUNA BISHWAS

Microbiologist

Varuna
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Test Report

Sample Number : VEL/GW/07
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131010/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Banera Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025-P-40:1991(EDTA Titrimetric Method)	240.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Page No. 1/4

Sample Number : VEL/GW/08
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131011
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Mahua Khurd
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006517F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.31	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	280.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	72.14	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	323.47	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	115.42	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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Test Report

Sample Number : VEL/GW/08

Report No. : VEL/W/2506131011

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	24.21	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	604.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	72.07	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.33	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	10.85	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.190	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.062	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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Test Report

Sample Number : VEL/GW/08

Report No. : VEL/W/2506131011

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.001)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

Page No. 4/4

Sample Number : VEL/GW/08

Report No. : VEL/W/2506131011

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS

Microbiologist
Varuna
21/06/25

Reviewed By



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Test Report

Page No. 1/1

Sample Number : VEL/GW/08
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131011/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Mahua Khurd
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	180.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Page No. 1/4

Sample Number : VEL/GW/09
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131012
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Mandal Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006518F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.27	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:2023	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	250.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	76.15	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	232.67	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	115.42	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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Test Report

Sample Number : VEL/GW/09

Report No. : VEL/W/2506131012

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	60.75	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	572.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	51.04	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.38	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	10.91	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.206	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.059	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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Test Report

Page No. 3/4

Sample Number : VEL/GW/09

Report No. : VEL/W/2506131012

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
26	Cadmium,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L	0.01	No Relaxation
29	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L	--	--
33	Polynuclear Aromatic Hydrocarbin(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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Test Report

Sample Number : VEL/GW/09

Report No. : VEL/W/2506131012

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/10 0ml	--	--
35	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/10 0ml	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS
Microbiologist
Varuna
Reviewed By

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Test Report

Page No. 1/1

Sample Number : VEL/GW/09
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131012/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Mandal Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	190.00	mg/L	--	--

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

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Test Report

Sample Number : VEL/SW/01
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131013
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629925200006519F

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Residual Free Chlorine	IS:3025;P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L
2	Lead	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
3	Selenium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L
4	Iron	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
5	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
6	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue 01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
7	Zinc	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
8	Copper	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
9	Cadmium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
10	Aluminium	VEL /W/STP/01, Issue No-01, Issue	0.196	mg/L

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21/06/25



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Test Report

Sample Number : VEL/SW/01

Report No. : VEL/W/2506131013

S.No.	Test Parameters	Test Method	Results	Units
10		date-01/11/2023:2023		
11	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	0.062	mg/L
12	Mineral Oil	IS 3025 (Part 39), Infrared Spectroscopic Method	BLQ(LOQ-0.5)	mg/L
13	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
14	Total Pesticides residues	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L
15	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.00005)	mg/L
16	Mercury (as Hg)	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L

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Test Report

Sample Number : VEL/SW/01

Report No. : VEL/W/2506131013

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
17	Total Coliform	IS 1622 (3.3): 1981	<2	MPN/100ml
18	Escherichia coli	IS 1622 (3.3): 1981	<2	MPN/100ml

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

VARUNA BISHWAS
Microbiologist

Varuna
21/06/25
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Test Report

Sample Number : VEL/SW/01
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131013/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 21/06/2025
Period of Analysis : 13/06/2025-20/06/2025
Receipt Date : 13/06/2025
Sampling Date : 12/06/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.11	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparision Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	220.00	mg/L
7	Calcium Hardness	By Calculation	170.00	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	107.55	mg/L
9	Cyanide as CN	IS 3025 (P-27/Sec1) : 2021 (Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
10	Total Dissolved Solids at 180° C	IS:3025 :P-16:1984(Gravimetric Method)	442.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	38.65	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.27	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	2.74	mg/L
14	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With	BLQ(LOQ-0.001)	mg/L

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Test Report

Page No. 2/2

Sample Number : VEL/SW/01

Report No. : VEL/W/2506131013/N

S.No.	Test Parameters	Test Method	Results	Units
14		Chloroform Extraction Method)		
15	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
16	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	68.13	mg/L
17	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	221.32	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	12.07	mg/L
19	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L

BLQ-Below Limit of Quantification, LOQ-Limit of Quantification.

End of Report

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Test Report

Page No. 1/3

Sample Number : VEL/SW/02

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131014

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 21/06/2025

Period of Analysis : 13/06/2025-20/06/2025

Receipt Date : 13/06/2025

Sampling Date : 12/06/2025

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water

Sample Group : Water/Residues and contaminants in Water

Location : Chimanpura Pond

Sample Collected By : VEL Representative (Mr. Kamlesh)

Environmental Condition : 25±2°C

ULR No. : TC629925200006520F

Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Residual Free Chlorine	IS:3025;P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L
2	Lead	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
3	Selenium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L
4	Iron	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
5	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
6	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
7	Zinc	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
8	Copper	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
9	Cadmium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
10	Aluminium	VEL /W/STP/01, Issue No-01, Issue	0181	mg/L

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Test Report

Sample Number : VEL/SW/02

Report No. : VEL/W/2506131014

S.No.	Test Parameters	Test Method	Results	Units
10		date-01/11/2023:2023		
11	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	0.063	mg/L
12	Mineral Oil	IS 3025 (Part 39), Infrared Spectroscopic Method	BLQ(LOQ-0.5)	mg/L
13	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
14	Total Pesticides residues	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L
15	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.00005)	mg/L
16	Mercury (as Hg)	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.00005)	mg/L

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Test Report

Page No. 3/3

Sample Number : VEL/SW/02

Report No. : VEL/W/2506131014

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
17	Total Coliform	IS 1622 (3.3): 1981	<2	MPN/100ml
18	Escherichia coli	IS 1622 (3.3): 1981	<2	MPN/100ml

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

End of Report

VARUNA BISHWAS
Microbiologist
Varuna
21/06/25
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Test Report

Sample Number : VEL/SW/02

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131014/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 21/06/2025

Period of Analysis : 13/06/2025-20/06/2025

Receipt Date : 13/06/2025

Sampling Date : 12/06/2025

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Chimanpura Pond
Sample Collected By : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.18	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	220.00	mg/L
7	Calcium Hardness	By Calculation	190.00	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	102.30	mg/L
9	Cyanide as CN	IS 3025 (P-27/Sec1) : 2021 (Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
10	Total Dissolved Solids at 180° C	IS:3025 :P-16:1984(Gravimetric Method)	450.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	40.69	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.35	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	1.75	mg/L
14	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With	BLQ(LOQ-0.001)	mg/L

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Test Report

Page No. 2/2

Sample Number : VEL/SW/02

Report No. : VEL/W/2506131014/N

S.No.	Test Parameters	Test Method	Results	Units
14		Chloroform Extraction Method)		
15	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
16	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	76.15	mg/L
17	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	215.65	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	7.19	mg/L
19	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L

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

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TC-6299

Test Report

Page No. 1/3

Sample Number : VEL/SW/03

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131015

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 21/06/2025

Period of Analysis : 13/06/2025-20/06/2025

Receipt Date : 13/06/2025

Sampling Date : 12/06/2025

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Mining Pit
Sample Collected By : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200006521F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Residual Free Chlorine	IS:3025;P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L
2	Lead	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
3	Selenium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L
4	Iron	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
5	Arsenic as As	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
6	Total Chromium	VEL/W/STP/03, Issue No. -01, Issue 01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
7	Zinc	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
8	Copper	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
9	Cadmium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
10	Aluminium	VEL /W/STP/01, Issue No-01, Issue	0.177	mg/L

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Test Report

Sample Number : VEL/SW/03

Report No. : VEL/W/2506131015

S.No.	Test Parameters	Test Method	Results	Units
10		date-01/11/2023:2023		
11	Boron as B	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	0.064	mg/L
12	Mineral Oil	IS 3025 (Part 39), Infrared Spectroscopic Method	BLQ(LOQ-0.5)	mg/L
13	Manganese as Mn	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
14	Total Pesticides residues	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L
15	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.00005)	mg/L
16	Mercury (as Hg)	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.00005)	mg/L

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Test Report

Page No. 3/3

Sample Number : VEL/SW/03

Report No. : VEL/W/2506131015

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
17	Total Coliform	IS 1622 (3.3): 1981	<2	MPN/100ml
18	Escherichia coli	IS 1622 (3.3): 1981	<2	MPN/100ml

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

End of Report

VARUNA BISHWAS

Microbiologist

Varuna
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Test Report

Page No. 1/2

Sample Number : VEL/SW/03

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2506131015/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 21/06/2025

Period of Analysis : 13/06/2025-20/06/2025

Receipt Date : 13/06/2025

Sampling Date : 12/06/2025

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Mining Pit
Sample Collected By : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.05	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	120.00	mg/L
7	Calcium Hardness	By Calculation	80.00	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	47.21	mg/L
9	Cyanide as CN	IS 3025 (P-27/Sec1) : 2021 (Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
10	Total Dissolved Solids at 180° C	IS:3025 :P-16:1984(Gravimetric Method)	242.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	20.21	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.20	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	1.64	mg/L
14	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With	BLQ(LOQ-0.001)	mg/L

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Test Report

Sample Number : VEL/SW/03

Report No. : VEL/W/2506131015/N

S.No.	Test Parameters	Test Method	Results	Units
14		Chloroform Extraction Method)		
15	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
16	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	32.06	mg/L
17	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	107.82	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	9.68	mg/L
19	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L

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

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Test Report

Page No. 1/1

Sample Number : VEL/AP/09

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131053

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 23/06/2025

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

Receipt Date : 13/06/2025

ULR No. : TC629925200006567F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Village- Jaliya
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.29°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	51.61	42.25	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

Note-*A "decibel" is a unit in which noise is measured.

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Test Report

Page No. 1/1

Sample Number : VEL/AP/10
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131054
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006568F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Village-Devpura
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.29°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	53.70	40.41	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Note: *A "decibel" is a unit in which noise is measured.

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Test Report

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Sample Number : VEL/AP/11
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131055
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006569F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Village-Kamalpura
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.29°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	50.91	39.85	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

Note-*A "decibel" is a unit in which noise is measured.

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Test Report

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Sample Number : VEL/AP/12
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131056
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006570F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Village-Lampiya
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.29°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	52.27	41.00	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Note-*A "decibel" is a unit in which noise is measured.

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23/06/25
Dimple Kumari
Dy. Technical Manager
VARDAN ENVIROLAB LLP

Authorized Signatory
Dr. Shiv
Srivastava
VARDAN ENVIROLAB LLP

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Test Report

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Sample Number : VEL/AP/13
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131057
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006571F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Ore Storage Loading Point
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2025 To 11/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.29°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	54.91	42.82	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Note-"A "decibel" is a unit in which noise is measured.

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Test Report

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Sample Number : VEL/AP/14
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131058
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006572F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Chimanpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	53.00	40.70	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

Note-"A "decibel" is a unit in which noise is measured.

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Test Report

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Sample Number : VEL/AP/15
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131059
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006573F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Banera Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.30°C, Max.45°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	51.25	39.70	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

Note- *A "decibel" is a unit in which noise is measured.

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Test Report

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Sample Number : VEL/AP/16
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131060
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006574F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mahua Khurd Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	51.27	41.80	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Note- *A "decibel" is a unit in which noise is measured.

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Test Report

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Sample Number : VEL/AP/17
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131061
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 23/06/2025
Period of Analysis : 13/06/2025-18/06/2025
Receipt Date : 13/06/2025
ULR No. : TC629925200006575F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mandal village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2025 To 12/06/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.30°C, Max.44°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS :9989, RA:2020
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	53.37	42.75	dB (A)

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

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing.

Note- *A "decibel" is a unit in which noise is measured.

End of Report

Reviewed By



Authorized Signatory



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Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Page No. 1/1

Sample Number : VEL/AP/18

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)

Araji No-9697/6711, Near Tiranga Hillis, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2506131062

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 23/06/2025

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

Receipt Date : 13/06/2025

ULR No. : TC629925200006576F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Haul Road
 Sample Collected By : VEL Representative (Mr. Kamlesh)
 Sampling Equipment used : Sound Level Meter
 Instrument Code : VEL/INS/ENV/SLM/05
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 11/06/2025 To 12/06/2025
 Time of Monitoring : 06:00 AM To 06:00 AM
 Ambient Temperature (°C) : Min.30°C, Max.44°C
 Surrounding Activity : Human & Vehicular Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : IS :9989, RA:2020
 Sampling Duration : 24.0 Hours
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Test Results		Units
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
Discipline : Chemical					
1	Leq	IS:9989 RA:2020	54.00	43.40	dB (A)

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

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
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