



Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
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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/2509121027
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010146F

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/02 & VOCS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 10:10 AM To 10:10 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	44.95	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	75.77	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	221.60	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	24.20	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	17.23	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	21.66	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	18.42	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

Reviewed By

[Signature]
20/09/25
VARDAN ENVIROLAB LLP
Divyendra Kumar
Dy. Technical Manager

VARDAN ENVIROLAB
Dr. Shiv
Authorized Signatory
Sudhakar
Authorized Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/02

Report No. : VEL/AP/2509121027

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

Signature
20/09/2025
VARDAN ENVIROLAB LLP
Devendra Kumar
Dy. Technical Manager

VARDAN ENVIROLAB
Authorized Signatory
Signature
20/09/2025
Authorized Signatory

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TC-6299

Test Report

Page No. 1/2

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/2509121033
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010152F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : RDS/FPS & VOC Sampler
Instrument Code : VEL/INS/ENV/RDS/FPS/04 & FPS/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 12:10 PM To 12:10 PM
Ambient Temperature (°C) : Min.22°C, Max.32°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	43.12	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	80.98	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	210.61	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	20.65	µg/m ³	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	16.86	µg/m ³	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	23.52	µg/m ³	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	18.62	µg/m ³	180
8	Benzene as (C6H6)	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

20/09/2025
Devendra Kumar
Dy. Technical Manager

Authorized Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/08

Report No. : VEL/AP/2509121033

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

Reviewed By

[Signature]
20/09/23
Suvendra Kumar
Dr. Technical Manager
VARDAN ENVIROLAB LLP

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20/09/23
VARDAN ENVIROLAB
Authorized Signatory

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Test Report

Page No. 1/2

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/2509121031
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010150F

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/02 & VOCS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 10:45 AM To 10:45 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	44.20	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	88.33	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	217.40	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	22.03	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	12.27	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	22.82	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	16.36	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

Reviewed By

[Signature]
20/09/2025
Dr. Technical Manager
VARDAN ENVIROLAB LLP

[Signature]
Authorized Signatory
VARDAN ENVIROLAB LLP
Authorised Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/06

Report No. : VEL/AP/2509121031

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	0.67	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

[Handwritten Signature]
 20/09/2023
ENVIROLAB LLP
 Dr. Shiv Akast
 Dr. Technical Manager

VARDAN ENVIROLAB LLP
 Dr. Shiv Akast
 Authorized Signatory
[Handwritten Signature]
 20/09/2023
 Authorized Signatory

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Test Report

Page No. 1/2

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/2509121030
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010149F

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/01 & VOCS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 10:10 AM To 10:10 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	42.00	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	81.66	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	233.39	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	24.47	µg/m ³	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	16.32	µg/m ³	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	24.86	µg/m ³	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	18.02	µg/m ³	180
8	Benzene as (C6H6)	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

[Signature]
20/09/2025
VARDAN ENVIROLAB LLP
Devendra Kumar
Technical Manager

VARDAN ENVIROLAB
D. Shri
Authorized Signatory
20/09/2025
Authorised Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/05

Report No. : VEL/AP/2509121030

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	0.64	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

[Handwritten Signature]
 20/09/2023
 Dr. Pooja Kumer
 Dr. Technical Manager
 VARDAN ENVIROLAB LLP

Authorized Signatory
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 20/09/2023
 VARDAN ENVIROLAB
 Dr. Shiv Prakash Singh
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Test Report

Page No. 1/2

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/2509121028
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010147F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mahau 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 : 09/09/2025 To 10/09/2025
Time of Monitoring : 10:45 AM To 10:45 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	40.29	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	83.08	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	204.75	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	22.15	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	13.49	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	23.98	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	18.99	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

Reviewed By

[Signature]
20/09/25
VARDAN ENVIROLAB LLP
Divyendra Kumar
Dy. Technical Manager

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20/09/25
VARDAN ENVIROLAB LLP
Authorized Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/03

Report No. : VEL/AP/2509121026

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	0.68	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

[Signature]
20/09/2023
VARDAN ENVIROLAB LLP
Divyendra Kumar
Dy. Technical Manager

VARDAN ENVIROLAB LLP
Dr. Shiv
Authorised Signatory
20/09/2023
Authorised Signatory

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ISO 9001 | ISO 14001 | ISO 45001



Test Report

Page No. 1/2

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/2509121026
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010145F

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 : 09/09/2025 To 10/09/2025
Time of Monitoring : 09:30 AM To 09:30 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	42.08	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	81.41	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	216.64	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	20.31	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	14.18	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	21.47	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	16.41	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

Reviewed By

[Signature]
20/09/2025
VARDAN ENVIROLAB LLP
Devendra Kumar
Dr. Technical Manager

VARDAN ENVIROLAB
Dr. Shiv
Prakash
Authorized Signatory
[Signature]
Authorised Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/01

Report No. : VEL/AP/2509121026

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	0.65	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

[Signature]
20/09/23
Benedra Kumar
Dy. Technical Manager

Authorized Signatory

[Signature]
20/09/23
Dr. Shiv Singh
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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/2509121029
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010148F

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/04
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 11:30 AM To 11:30 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	43.41	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	82.02	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	215.36	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	23.87	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	16.97	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	21.47	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	16.58	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

Page No. 2/2

Sample Number : VEL/AP/04

Report No. : VEL/AP/2509121029

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	0.71	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/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/2509121032
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010151F

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/03 & VOCS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 11:30 AM To 11:30 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	43.41	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	87.24	µg/m ³	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	207.20	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6) : 2006,RA:2022	23.87	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2) : RA:2023	15.99	µg/m ³	80
6	Ammonia as (NH ₃)	IS:5182 (P-25):2018	22.05	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9) :1974 RA:2019	18.45	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

[Signature]
20/09/2025
Deviendra Kumar
Di. Technical Manager
VARDAN ENVIROLAB LLP

Authorized Signatory
[Signature]
Authorized Signatory
VARDAN ENVIROLAB LLP

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TC-6299

Test Report

Page No. 2/2

Sample Number : VEL/AP/07

Report No. : VEL/AP/2509121032

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	0.63	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

[Signature]
20/09/2025
Dyendra Kumar
Dr. Technical Manager

Authorized Signatory
[Signature]
20/09/2025

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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)

Report No. : VEL/AP/2509241003
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 01/10/2025
Period of Analysis : 24/10/2025-30/09/2025
Receipt Date : 24/09/2025
ULR No. : TC629925200010514F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Village-Jaliya
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 : 23/09/2025 To 24/09/2025
Time of Monitoring : 09:30 AM To 09:30 AM
Ambient Temperature (°C) : Min.23°C, Max.34°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	54.16	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	88.43	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	229.07	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	17.56	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	13.43	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.65	mg/m3	4

#-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/2509241004
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 01/10/2025
Period of Analysis : 24/10/2025-30/09/2025
Receipt Date : 24/09/2025
ULR No. : TC629925200010515F

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 : 23/09/2025 To 24/09/2025
Time of Monitoring : 09:50 AM To 09:50 AM
Ambient Temperature (°C) : Min.23°C, Max.34°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	52.58	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	83.27	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	261.36	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	14.43	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	11.77	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.69	mg/m3	4

#-Indicates 1 hour monitoring of CO.

End of Report

Reviewed By



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Test Report

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/2509241006
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 01/10/2025
Period of Analysis : 24/09/2025-30/09/2025
Receipt Date : 24/09/2025
ULR No. : TC629925200010517F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Village-Kamalpura
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 : 23/09/2025 To 24/09/2025
Time of Monitoring : 11:10 AM To 11:10 AM
Ambient Temperature (°C) : Min.23°C, Max.34°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	56.70	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	81.82	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	235.93	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	19.40	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	14.22	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.69	mg/m3	4

#-Indicates 1 hour monitoring of CO.

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TC-6299

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/2509121002
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629925200010088F

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 : IS, APHA & STP

Protocol

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					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 CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	307.20	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	78.49	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	321.30	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	126.73	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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20/09/25



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Test Report

Page No. 2/4

Sample Number : VEL/GW/02

Report No. : VEL/W/2509121002

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)	26.96	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	646.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	98.11	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)	4.89	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	0.009	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.359	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



Authorized Signatory



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Test Report

Page No. 3/4

Sample Number : VEL/GW/02

Report No. : VEL/W/2509121002

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-0.005)	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-0.001)	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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Signature
20/09/25



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Test Report

Page No. 4/4

Sample Number : VEL/GW/02 Report No. : VELAW/2509121002

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
34	Goliform	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

NITIN KUMAR
Sr. Microbiologist

Nitin
20/09/25

Reviewed By

VARDAN ENVIROLAB LLP
Dhanendra Kumar
Dhanendra Kumar
20/09/25
Authorized Signatory
Technical Manager

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Test Report

Page No. 1/1

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/2509121002/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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 : IS, APHA & STP

Protocol

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)	195.84	mg/L	--	--

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

End of Report

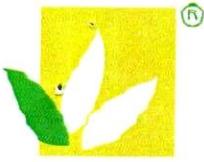
Reviewed By

Kamlesh
20/09/25



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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/2509121003
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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 : IS. APHA & STP
Protocol

ULR No. : TC629925200010089F

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)	7.33	-	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)	307.20	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	81.57	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	331.50	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	167.28	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

[Signature]
20/09/25
Bibhuti Nayak
Dy. Technical Manager
VARDAN ENVIROLAB LLP
GURGAON

Authorized Signatory
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Test Report

Page No. 2/4

Sample Number : VEL/GW/08

Report No. : VEL/W/2509121003

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)	25.09	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	712.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	70.08	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.34	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	16.43	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	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.292	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

[Handwritten Signature]
20/09/25

VARDAN ENVIROLAB LLP
Bibhaari Nayak
Dy. Technical Manager
GURGAON

Authorized Signatory

[Handwritten Signature]
Prakash Singh

VARDAN ENVIROLAB LLP
Authorized Signatory

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Test Report

Page No. 3/4

Sample Number : VEL/GW/08

Report No. : VEL/W/2509121003

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-0.005)	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

Page No. 4/4

Sample Number : VEL/GW/08

Report No. : VEL/W/2509121003

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

NITIN KUMAR
Sr. Microbiologist

(NHN)
20/09/25

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/2509121003/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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)	203.52	mg/L

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

End of Report

Reviewed By

[Signature]
20/09/25

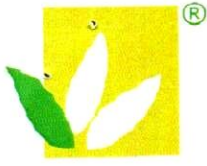


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Test Report

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/2509121004
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629925200010090F

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

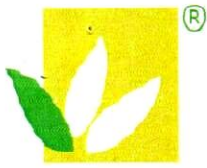
S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.29	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	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)	311.04	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	83.10	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	418.20	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	177.42	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

Reviewed By *Kamlesh*
20/09/25



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Test Report

Page No. 2/4

Sample Number : VEL/GW/05

Report No. ; VEL/W/2509121004

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)	25.09	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	800.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	79.70	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.34	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	5.65	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	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.391	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

Signature
20/09/25



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Test Report

Page No. 3/4

Sample Number : VEL/GW/05

Report No. : VEL/W/2509121004

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-0.005)	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

Page No. 4/4

Sample Number : VEL/GW/05

Report No. ; VEL/W/2509121004

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

NITIN KUMAR
Sr. Microbiologist

Nitin
20/09/25

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Test Report

Page No. 1/1

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/2509121004/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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)	207.36	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/06
Name & Address of the Party : M/o Jindal Saw Limited (Lampiya Mine)
Araji No-9097/0711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2509121005
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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

ULR No. : TC629925200010091F

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)	7.25	-	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)	295.68	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	69.25	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	285.60	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	202.77	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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20/09/25

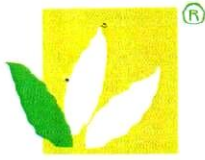


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Test Report

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Sample Number : VEL/GW/06

Report No. : VEL/W/2509121005

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)	29.78	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	93.10	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)	9.97	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	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.373	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

Page No. 3/4

Sample Number : VEL/GW/06

Report No. : VEL/W/2509121005

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-0.001)	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

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Sample Number : VEL/GW/06

Report No. : VEL/W/2509121005

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

NITIN KUMAR
Sr. Microbiologist

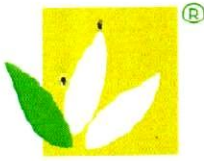
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Test Report

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/2509121005/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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 : 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)	172.80	mg/L	--	--

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

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Reviewed By

Kamlesh
20/09/25



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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. : YEL/W/2509121006
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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 Borewell
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis protocol : IS, APHA & STP

ULR No. : TC629925200010092F

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)	272.64	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	64.64	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	290.70	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	182.49	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

Page No. 2/4

Sample Number : VEL/GW/09

Report No. : VEL/W/2509121006

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)	26.98	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	658.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	63.49	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)	11.97	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	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.295	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

Page No. 3/4

Sample Number : VEL/GW/09

Report No. : VEL/W/2509121006

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

Page No. 4/4

Sample Number : VEL/GW/09

Report No. : VEL/W/2509121006

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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NITIN KUMAR
Sr. Microbiologist

Nitin
20/09/25

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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/2509121006/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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 Borewell
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)	161.28	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/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/2509121007
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629925200010093F

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Chimanpura 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	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.49	-	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)	234.24	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	55.40	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	234.60	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	136.87	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

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Sample Number : VEL/GW/07

Report No. : VEL/W/2509121007

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)	23.26	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	516.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	48.56	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.30	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	8.87	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	BLQ(LOQ-0.005)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.393	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

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Sample Number : VEL/GW/07

Report No. : VEL/W/2509121007

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

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Sample Number : VEL/GW/07

Report No. : VEL/W/2509121007

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

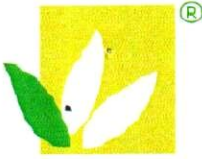
NITIN KUMAR
Dr. Microbiologist
@NHN
20/09/25

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Neha
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Test Report

Page No. 1/1

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/2509121007/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Chimanpura Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis : 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)	138.24	mg/L	--	--

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

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Akash Singh



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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/2509121008
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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. : TC629925200010094F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.38	-	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)	441.60	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	92.34	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	321.30	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	131.80	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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Kamlesh
20/09/25



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Test Report

Page No. 2/4

Sample Number : VEL/GW/04

Report No. : VEL/W/2509121008

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)	51.21	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	638.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	68.15	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)	8.41	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	BLQ(LOQ-0.005)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.377	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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TC-6299

Test Report

Page No. 3/4

Sample Number : VEL/GW/04

Report No. : VEL/W/2509121008

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

Reviewed By

Signature
20/09/23



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Signature
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Test Report

Page No. 4/4

Sample Number : VEL/GW/04

Report No. : VEL/W/2509121008

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

NITIN KUMAR
Sr. Microbiologist

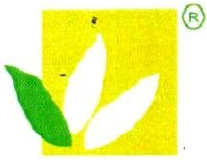
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Test Report

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/2509121008/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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 : IS, APHA & STP
protocol

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)	230.40	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/2509121009
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

ULR No. : TC629925200010095F

Name of Sample : Ground Water
Sample Group : Water/Residues and contaminants in Water
Location : Mahua Khurd 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	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.37	-	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)	264.96	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	70.79	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	311.10	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	116.59	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

Kamlesh
20/09/25

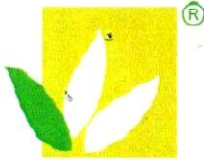


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Test Report

Page No. 2/4

Sample Number : VEL/GW/03

Report No. : VEL/W/2509121009

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)	21.38	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	574.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	70.43	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)	8.64	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	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.305	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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20/09/25

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Test Report

Page No. 3/4

Sample Number : VEL/GW/03

Report No. : VEL/W/2509121009

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-0.005)	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

Page No. 4/4

Sample Number : VEL/GW/03

Report No. : VEL/W/2509121009

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammandment	
					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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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/2509121009/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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 Village
Sample Collected by : VEL Representative (Mr. Kamlesh)
Environmental Condition : 25±2°C
Sampling and Analysis : 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)	176.64	mg/L	--	--

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

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TC-0299

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/2509121010
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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 : IS, APHA & STP

ULR No. : TC629925200010096F

Protocol

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammdement	
					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 CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	234.24	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	72.33	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	265.20	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	106.45	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. : VELW/2509121010

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)	12.97	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	530.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	56.60	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)	7.66	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	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.393	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

Page No. 3/4

Sample Number : VEL/GW/01

Report No. : VEL/W/2509121010

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-0.005)	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

Page No. 4/4

Sample Number : VEL/GW/01

Report No. : VEL/W/2509121010

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

NITIN KUMAR
Sr. Microbiologist

Nitin
20/09/25

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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/2509121010/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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)	180.48	mg/L	--	--

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

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Test Report

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

Report No.: VEL/WL/2509120001
Format No.: 7.8 F-01
Party Reference No.: By Mail
Reporting Date: 20/09/2025
Receipt Date: 12/09/2025
Sampling Date: 10/09/2025

Sample Description: Ground Water Level Monitoring
Sample Collected by: VEL Representative (Mr. Kamlesh)

RESULTS

S. No.	Location	Latitude & Longitude	Depth (In meter)
1.	Lampiya Village	--	3.02
2.	Devpura Village	--	1.58
3.	Jaliya Village	--	2.04
4.	Kamalpura Village	--	1.41
5.	Mahua Khurd Village	--	1.24
6.	Baneda Village	--	4.17
7.	Chimanpura Village	--	1.86
8.	Mandal Village	--	0.60
9.	Lampiya Mine (Borewell)	--	3.50

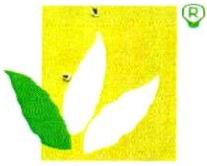
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Page 1 of 1



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Test Report

Page No. 1/3

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/2509121013
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629925200010099F

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 : IS, APHA & STP
Protocol

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	BLQ(LOQ-0.005)	mg/L

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Test Report

Page No. 2/3

Sample Number : VEL/SW/01

Report No. : VEL/W/2509121013

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	0.404	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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TC-6299

Test Report

Page No. 3/3

Sample Number : VEL/SW/01

Report No. ; VEL/W/2509121013

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

NITIN KUMAR
Sr. Microbiologist

NHN
20/09/25

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Test Report

Page No. 1/2

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/2509121013/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
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

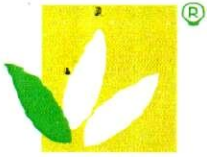
S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.26	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	197.76	mg/L
7	Calcium Hardness as CaCO3	By Calculation	155.52	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	96.31	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)	404.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	39.61	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.25	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	2.21	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/2509121013/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)	62.33	mg/L
17	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	204.00	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	10.19	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.

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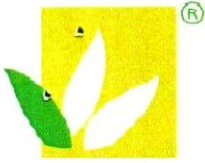


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Test Report

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/2509121014
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 09/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

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

ULR No. : TC629925200010100F

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	BLQ(LOQ-0.005)	mg/L

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Test Report

Page No. 2/3

Sample Number : VEL/SW/02

Report No. : VEL/W/2509121014

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	0.381	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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20/09/23



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TC-6299

Test Report

Page No. 3/3

Sample Number : VEL/SW/02

Report No. : VEL/W/2509121014

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.

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Test Report

Page No. 1/2

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/2509121014/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 20/09/2025

Period of Analysis : 12/09/2025-18/09/2025

Receipt Date : 12/09/2025

Sampling Date : 09/09/2025

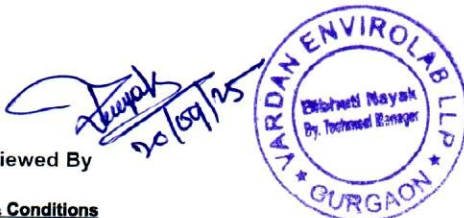
Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Jaliya Canal
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)	7.19	--
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)	138.24	mg/L
7	Calcium Hardness as CaCO3	By Calculation	80.64	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	47.14	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)	235.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	20.74	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.25	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	2.62	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/2509121014/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)	32.32	mg/L
17	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	122.40	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	13.95	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.

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Test Report

Page No. 1/3

Sample Number : VEL/SW/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/2509121015
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629925200010108F

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

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	BLQ(LOQ-0.005)	mg/L

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Test Report

Page No. 2/3

Sample Number : VEL/SW/05

Report No. : VEL/W/2509121015

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	0.310	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

Page No. 3/3

Sample Number : VEL/SW/05

Report No. : VEL/W/2509121015

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.

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VARDAN ENVIROLAB LLP

 Dr. Armentra Kumar

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Test Report

Page No. 1/2

Sample Number : VEL/SW/05

Report No. : VEL/W/2509121015/N

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

Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

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

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.31	--
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 CaCO ₃	IS:3025:P-21:2009(EDTA Titrimetric Method)	130.56	mg/L
7	Calcium Hardness as CaCO ₃	By Calculation	76.80	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	43.59	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)	230.00	mg/L
11	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	17.20	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.28	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	1.91	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

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Sample Number : VEL/SW/05

Report No. : VEL/W/2509121015/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)	30.78	mg/L
17	Total Alkalinity as CaCO3	IS:3025:P-23:1986(Indicator Method)	132.60	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	13.02	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.

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Test Report

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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/2509121011
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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

ULR No. : TC629925200010097F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L
2	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	1.03	mg/L
3	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
4	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
5	Boron as B,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	0.383	mg/L
6	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
7	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
8	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
9	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L
10	Cadmium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L

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Test Report

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Sample Number : VEL/SW/03

Report No. : VEL/W/2509121011

S.No.	Test Parameters	Test Method	Results	Units
11	Lead,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
12	Selenium as Se,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.001)	mg/L
13	Arsenic as As,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.005)	mg/L
14	Mercury as Hg,Max	VEL/W/STP/03, Issue No. -01, Issue Date-01/11/2023:2023	BLQ(LOQ-0.0005)	mg/L
15	Mineral Oil,Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.5)	mg/L
16	Total Pesticides	VEL/W/STP/01, Issue No-01, Issue date 01/11/2023	BLQ(LOQ-0.01)	µg/L
17	Polynuclear Aromatic Hydrocarbon(as PAH),Max	VEL /W/STP/01, Issue No-01, Issue date 01/11/2023:2023	BLQ(LOQ-0.00005)	mg/L

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Test Report

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Sample Number : VEL/SW/03

Report No. : VEL/W/2509121011

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
18	Coliform	APHA, 24th Edition, 9221B: 2023	<1.8	MPN/100ml
19	Escherichia coli	APHA, 24th Edition, 9221F: 2023	<1.8	MPN/100ml

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

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NITIN KUMAR
Sr. Microbiologist

Nitin
20/09/25

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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)

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

Report No. : VEL/W/2509121011/N

Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.25	-
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit
3	Turbidity,Max	IS: 3025:P-10:2023(Nephelometric Method)	<1.0	NTU
4	Odour	IS:3025 Part-5: 2018	Agreeable	-
5	Taste	IS: 3025:P-8:2023	Not Performed	-
6	Total Hardness (as CaCO ₃),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	336.00	mg/L
7	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	192.00	mg/L
8	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	76.95	mg/L
9	Total Alkalinity (as CaCO ₃),Max	IS:3025:Part 23:2023(Indicator Method)	290.70	mg/L
10	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	114.06	mg/L
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	34.90	mg/L
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	281.00	mg/L
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	54.39	mg/L
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS)	0.28	mg/L

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Test Report

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Sample Number : VEL/SW/03

Report No. : VEL/W/2509121011/N

S.No.	Test Parameters	Test Method	Results	Units
15		Method)		
16	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
17	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L

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

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20/09/24



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Test Report

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Sample Number : VEL/SW/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/2509121012

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 20/09/2025

Period of Analysis : 12/09/2025-18/09/2025

Receipt Date : 12/09/2025

Sampling Date : 10/09/2025

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

ULR No. : TC629925200010098F

Sampling and Analysis Protocol : IS, APHA & STP

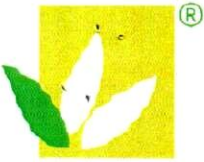
S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Residual Free Chlorine	IS:3025;P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L
2	Lead	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L
3	Selenium	VEL/W/STP/03, Issue No. -01, Issue date-01/11/2023:2023	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	BLQ(LOQ-0.005)	mg/L

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[Signature]
20/09/25



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Test Report

Page No. 2/3

Sample Number : VEL/SW/04

Report No. : VEL/W/2509121012

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	0.304	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

Page No. 3/3

Sample Number : VEL/SW/04

Report No. : VEL/W/2509121012

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

NITIN KUMAR
Sr. Microbiologist
@iKh 20/09/25

Reviewed By

VARDAN ENVIROLAB LLP
Dharmendra Kumar
20/09/25
Authorized Signatory

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Test Report

Page No. 1/2

Sample Number : VEL/SW/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/2509121012/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-18/09/2025
Receipt Date : 12/09/2025
Sampling Date : 10/09/2025
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)	7.12	--
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 CaCO ₃	IS:3025:P-21:2009(EDTA Titrimetric Method)	132.48	mg/L
7	Calcium Hardness as CaCO ₃	By Calculation	76.80	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	45.62	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)	234.00	mg/L
11	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	21.87	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)	1.05	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 : YEL/SW/04

Report No. : VEL/W/2509121012/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)	30.78	mg/L
17	Total Alkalinity as CaCO3	IS:3025:P-23:1986(Indicator Method)	117.30	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	13.49	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.

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Handwritten signature and date: 20/09/25



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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)

Report No. : VEL/AP/2509121044
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010163F

Name of Sample : Fugitive Dust monitoring
Sample Group : Atmospheric Pollution

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/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025
Time of Monitoring : 09:15 AM To 05:15 PM
Ambient Temperature (°C) : Min.22°C, Max.32°C
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	559.95	µg/m ³	5000

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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)

Report No. : VEL/AP/2509121045
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010164F

Name of Sample : Fugitive Dust monitoring
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Haul Road
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 : 09/09/2025
Time of Monitoring : 09:30 AM To 05:30 PM
Ambient Temperature (°C) : Min.22°C, Max.32°C
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	531.85	µg/m ³	5000

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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/2509121035
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010154F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/12
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	53.11	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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TC-6299

Test Report

Page No. 1/1

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/2509121039
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010158F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/12
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	52.00	41.27	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

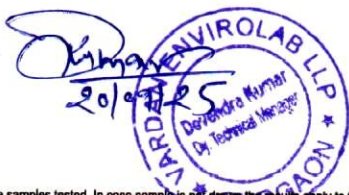
Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, 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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TC-6299

Test Report

Page No. 1/1

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/2509121038
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010157F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/11
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	49.75	39.80	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

Page No. 1/1

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/2509121041
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010160F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/14
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	50.80	41.27	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

Devendra Kumar
20/09/25
VARDAN ENVIROLAB LLP
Devendra Kumar
Dr. Technical Manager

VARDAN ENVIROLAB
Dr. Shiv
Authorized Signatory
20/09/2025
Authorized Signatory

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TC-6299

Test Report

Page No. 1/1

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/2509121040
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010159F

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/13
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	53.30	42.85	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.

End of Report

Reviewed By

[Signature]
20/09/2025
Divesh Kumar
Dy. Technical Manager
VARDAN ENVIROLAB LLP

Authorized Signatory
[Signature]
VARDAN ENVIROLAB LLP
Authorised Signatory

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Test Report

Page No. 1/1

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/2509121037
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010156F

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/14
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	51.54	40.27	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

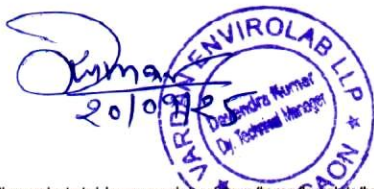
Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, 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/11
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9097/0711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2509121036
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010155F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mahau Khurd Village
Sample Collected By : VEL Representative (Mr. Kamlesh)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/INS/ENV/SLM/13
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	50.81	41.70	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

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/2509121034
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010153F

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/011
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	51.41	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

20/09/2025
VARDAN ENVIROLAB LLP
Dr. Technical Manager

Authorized Signatory
20/09/2025
Singh
Authorized Signatory

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Test Report

Page No. 1/1

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/2509121042
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010161F

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/15
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/09/2025 To 10/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	58.41	44.27	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

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

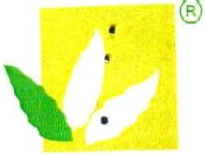
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TC-6299

Test Report

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Sample Number : VEL/AP/18
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/2509121043
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 20/09/2025
Period of Analysis : 12/09/2025-17/09/2025
Receipt Date : 12/09/2025
ULR No. : TC629925200010162F

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/15
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/09/2025 To 11/09/2025
Time of Monitoring : 06:00 AM To 06:00 AM
Ambient Temperature (°C) : Min.22°C, Max.32°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	71.41	47.20	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

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

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