



## 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/2512101037  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013615F

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/01 & VOCS/01  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/12/2025 To 08/12/2025  
Time of Monitoring : 09:50 AM To 09:50 AM  
Ambient Temperature (°C) : Min.10°C, Max.21°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	54.70	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	86.94	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	231.00	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	17.26	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	12.23	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	23.02	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	19.34	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



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## Test Report

Sample Number : VEL/AP/01

Report No. : VEL/AP/2512101037

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

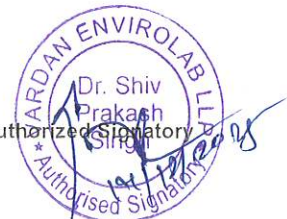
BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

\*\*\*End of Report\*\*\*

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Authorized Signatory



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## Test Report

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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/2512101038

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 19/12/2025

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

Receipt Date : 10/12/2025

ULR No. : TC629925200013616F

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 : 07/12/2025 To 08/12/2025  
 Time of Monitoring : 10:20 AM To 10:20 AM  
 Ambient Temperature (°C) : Min.10°C, Max.21°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
<b>Discipline : Chemical</b>					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	54.58	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	91.81	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	221.42	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	19.34	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	14.47	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	25.79	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	21.63	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]*  
 19/12/25  
 Dr. Tolunnes Murrari  
 Dr. Tolunnes Murrari

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*[Signature]*  
 Dr. Shiv  
 Dr. Shiv  
 Authorized Signatory  
 Authorized Signatory

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## Test Report

Sample Number : VEL/AP/02

Report No. : VEL/AP/2512101038

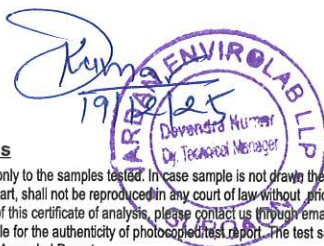
S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.61	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

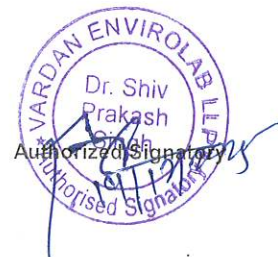
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## Test Report

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/2512101039  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013617F

Name of Sample : Ambient Air  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Mahura Khurd 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 : 07/12/2025 To 08/12/2025  
Time of Monitoring : 10:45 AM To 10:45 AM  
Ambient Temperature (°C) : Min. 10°C, Max. 21°C  
Surrounding Activity : Human & Vehicular Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines  
Sampling Duration : 24.0 Hours  
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	53.20	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	84.75	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	267.34	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	17.50	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	11.86	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	26.39	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	19.85	µg/m3	180
8	Benzene as (C6H6)	IS 5182 (P-11):2006 RA:2022	BLQ(LOQ-0.5)	µg/m3	5
9	Benzo(a)pyrene	VEL/EN/STP/157, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	ng/m3	1

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## Test Report

Sample Number : VEL/AP/03

Report No. : VEL/AP/2512101039

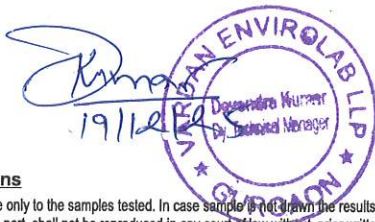
S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
10	Arsenic as (As)	VEL/EN/STP/110, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22):2004 RA:2019	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26):2020	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.62	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

\*\*\*End of Report\*\*\*

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# Vardan Envirolab LLP

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



## Test Report

Page No. 1/2

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/2512101040  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013618F

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 : 08/12/2025 To 09/12/2025  
Time of Monitoring : 10:45 AM To 10:45 AM  
Ambient Temperature (°C) : Min.10°C, Max.27°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
<b>Discipline : Chemical</b>					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	52.04	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	89.43	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	275.25	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	21.37	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	16.64	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	27.38	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	22.38	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]*  
19/12/2025  
Dr. Deependra Kumar  
Dr. - In-charge Manager

*[Signature]*  
Dr. Shiv  
Authorized Signatory  
19/12/2025  
Authorized Signatory

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## Test Report

Sample Number : VEL/AP/04

Report No. : VEL/AP/2512101040

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	0.66	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

\*\*\*End of Report\*\*\*

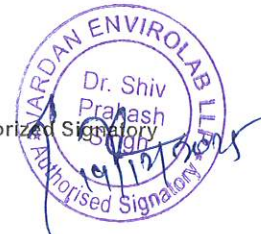
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## Test Report

Sample Number : VEL/AP/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/2512101041  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013619F

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 : 08/12/2025 To 09/12/2025  
Time of Monitoring : 11:30 AM To 11:30 AM  
Ambient Temperature (°C) : Min.10°C, Max.27°C  
Surrounding Activity : Human & Vehicular Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines  
Sampling Duration : 24.0 Hours  
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	54.33	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	85.26	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	259.90	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	16.42	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	11.86	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	24.80	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	19.91	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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*[Signature]*  
19/12/25  
Dr. Kamlesh Kumar  
Technical Manager

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*[Signature]*  
Dr. Shiv  
Authorized Signatory  
19/12/2025  
Authorized Signatory



## Test Report

Sample Number : VEL/AP/05

Report No. : VEL/AP/2512101041

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	0.72	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]*  
19/11/25  
Dharmendra Kumar  
Dr. Technical Manager



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Authorized Signatory

*[Signature]*  
Dr. Shiv Prakash  
Authorized Signatory





## Test Report

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

Report No. : VEL/AP/2512101042  
 Format No : 7.8 F-03  
 Party Reference No : By Mail  
 Reporting Date : 19/12/2025  
 Period of Analysis : 10/12/2025-17/12/2025  
 Receipt Date : 10/12/2025  
 ULR No. : TC629925200013620F

### 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/03 & VOCS/03  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 08/12/2025 To 09/12/2025  
 Time of Monitoring : 12:10 PM To 12:10 PM  
 Ambient Temperature (°C) : Min.10°C, Max.27°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	51.66	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	80.87	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	276.60	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	16.07	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	14.90	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	23.66	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	20.48	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

*Kamlesh*  
 19/12/25  
 Dr. Kamlesh  
 Technical Manager

VARDAN ENVIROLAB LLP  
 Dr. Shiv  
 Akas  
 Authorized Signatory  
 19/12/25  
 Authorised Signatory

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## Test Report

Page No. 2/2

Sample Number : VEL/AP/06

Report No. : VEL/AP/2512101042

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	0.61	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

\*\*\*End of Report\*\*\*

Reviewed By



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# 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/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/2512101043  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013621F

Name of Sample : Ambient Air  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Chimanpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : RDS/FPS & VOC Sampler  
Instrument Code : VEL/INS/ENV/RDS/FPS/04 & VOCS/04  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 12:40 PM To 12:40 PM  
Ambient Temperature (°C) : Min.10°C, Max.27°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	51.04	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	83.33	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	270.20	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	15.23	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	11.00	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	25.60	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9):1974 RA:2019	20.94	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]*  
19/12/2025  
Dr. Technical Manager

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*[Signature]*  
Dr. Shiv  
Authorized Signatory  
19/12/2025  
\*Authorized Signatory\*

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## Test Report

Sample Number : VEL/AP/07

Report No. : VEL/AP/2512101043

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

*Kamran*  
19/11/2023  
Dr. Anshu Khurana  
Dr. Teekesh Mehera

Dr. Shiv Prakash  
Authorized Signatory

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## 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/2512101044  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013622F

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/05 & VOCS/05  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 03:15 PM To 03:15 PM  
Ambient Temperature (°C) : Min.10°C, Max.27°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	84.18	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	253.89	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	22.44	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	16.13	µg/m3	80
6	Ammonia as (NH3)	IS:5182 (P-25):2018	25.79	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9) :1974 RA:2019	23.75	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

  
19/12/2025  
Dr. Shiv Kumar  
Dr. Technical Manager

Authorised Signatory

  
Dr. Shiv Kumar  
Authorised Signatory

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## Test Report

Sample Number : VEL/AP/08

Report No. : VEL/AP/2512101044

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	0.70	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]*  
19/11/2023  
Dr. Vandana Kumar  
Technical Manager

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Authorized Signatory  
Dr. Shiv Prakash  
19/11/2023  
Authorised Signatory



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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/2512101045  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013598F

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

**General Information**  
Sampling Location : Village Banera  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/01  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/12/2025 To 08/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	52.42	38.76	dB (A)

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

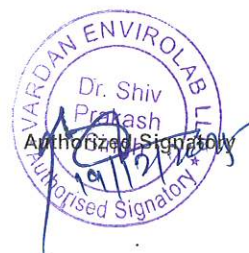
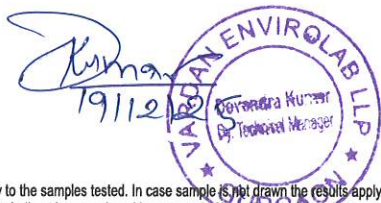
Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day Time: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

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ISO 9001 | ISO 14001 | ISO 45001



## 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/2512101046  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013599F

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

**General Information**  
Sampling Location : Village Lampiya  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/02  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/12/2025 To 08/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	53.10	40.45	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: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Signature]*  
19/12/2025  
Dr. Shweta Kumar  
By. Executive Manager  
VARDAN ENVIROLAB LLP

Authorized Signatory

*[Signature]*  
Dr. Shiv  
Prakash  
19/12/2025  
VARDAN ENVIROLAB LLP  
Authorized Signatory

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## Test Report

Sample Number : VEL/AP/11

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

Report No. : VEL/AP/2512101047

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 19/12/2025

Period of Analysis : 10/12/2025-17/12/2025

Receipt Date : 10/12/2025

ULR No. : TC629925200013600F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Village Mahura Khurd  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/03  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/12/2025 To 08/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	52.70	40.81	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: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

Reviewed By

19/12/25  
Dr. Indira Murser  
Dr. Indira Murser

Dr. Shiv Prasad Singh  
Authorized Signatory  
Authorized 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/2512101048  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013601F

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Village Kamalpura  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/04  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	50.70	41.45	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: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

Reviewed By



Authorized Signatory



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## Test Report

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/2512101049  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013602F

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Village Jaliya  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/05  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	53.10	39.70	dB (A)

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

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

Day Time: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

Reviewed By

*Kumar*  
19/12/2025  
VARDAN ENVIROLAB LLP  
Dr. Tejaswini Meher  
Dr. Tejaswini Meher

VARDAN ENVIROLAB LLP  
Dr. Shiv  
Prakash Singh  
Authorized Signatory  
19/12/2025  
Authorized Signatory

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## 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/2512101050  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013603F

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Village Chimanpura  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/06  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	49.47	38.25	dB (A)

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

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

Day Time: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

Reviewed By

19/12/25  
Dr. Shivakash  
Deputy Manager  
Dr. Technical Manager

Dr. Shivakash  
Authorized Signatory

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## 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/2512101051  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013604F

Name of Sample : AMBIENT NOISE  
Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Village Devpura  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/07  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.28°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	48.71	38.10	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: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Signature]*  
19/12/25  
Dr. Shiv Prakash  
Technical Manager  
VARDAN ENVIROLAB LLP

Authorized Signatory

Dr. Shiv Prakash  
Authorized Signatory  
VARDAN ENVIROLAB LLP

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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/2512101052

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 19/12/2025

Period of Analysis : 10/12/2025-17/12/2025

Receipt Date : 10/12/2025

ULR No. : TC629925200013605F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

### General Information

Sampling Location : Village Mandal  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : Sound Level Meter  
Instrument Code : VEL/INS/ENV/SLM/01  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.27°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	51.66	40.27	dB (A)

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

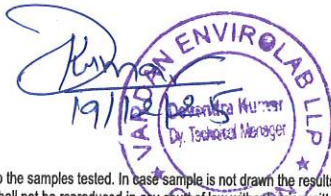
Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day Time: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting 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/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/2512101053  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013606F

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/02  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.27°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	57.62	44.20	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

Day Time: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

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Reviewed By

*[Signature]*  
19/12/25  
Dardendra Murthy  
Technical Manager

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VARDAN ENVIROLAB LLP  
Dr. Shiv  
Prakash  
Authorized Signatory  
*[Signature]*  
19/12/25

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## Test Report

Page No. 1/1

Sample Number : VEL/AP/18

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

Report No. : VEL/AP/2512101054  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013607F

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/03  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025 To 09/12/2025  
Time of Monitoring : 06:00 AM To 06:00 AM  
Ambient Temperature (°C) : Min.10°C, Max.27°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	61.72	46.47	dB (A)

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

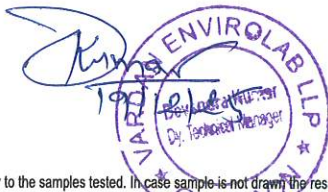
Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day Time: 6:00 AM to 10:00 PM, Night Time: 10:00 PM to 6:00 AM. Silence Zone: Area within 100 meters of hospitals, educational institutions, courts, religious places, or others as notified by authorities. Mixed Areas: May be classified into above four categories by competent authority. dB(A) Leq: Time-weighted average sound level in decibels (A-scale), reflecting human hearing.

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

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Reviewed By



Authorized Signatory



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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/2512101055

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 19/12/2025

Period of Analysis : 10/12/2025-17/12/2025

Receipt Date : 10/12/2025

ULR No. : TC629925200013608F

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/06  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025  
Time of Monitoring : 10:10 AM To 06:10 PM  
Ambient Temperature (°C) : 26.0  
Surrounding Activity : Human & Others Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : Fugitive Emission  
Sampling Duration : 8.0 Hour  
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Unit	Limit as per CPCB
Discipline : Chemical					
1	Suspended Particulate Matter (as SPM)	VEL/EN/STP/164, Issue No.-01 dated on 01/11/2023	1654.76	µg/m <sup>3</sup>	5000

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Reviewed By

  
19/12/25  
Devi Prasad Kumar  
City, Technical Manager  
VARDAN ENVIROLAB LLP

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Dr. Shiv  
Authorized Signatory  
VARDAN ENVIROLAB LLP  
Authorised Signatory

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# Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)  
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## Test Report

Page No. 1/1

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

Report No. : VEL/AP/2512101056  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 19/12/2025  
Period of Analysis : 10/12/2025-17/12/2025  
Receipt Date : 10/12/2025  
ULR No. : TC629925200013609F

### General Information

Sampling Location : Haul Road  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Sampling Equipment used : RDS  
Instrument Code : VEL/INS/ENV/RDS/08  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 08/12/2025  
Time of Monitoring : 10:30 AM To 06:30 PM  
Ambient Temperature (°C) : 26.0  
Surrounding Activity : Human & Others Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : Fugitive Emission  
Sampling Duration : 8.0 Hour  
Parameter Required : As per work order

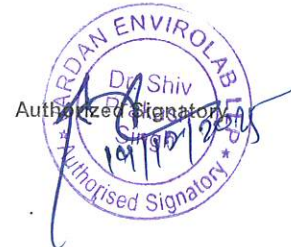
S.No.	Test Parameters	Test Method	Results	Unit	Limit as per CPCB
Discipline : Chemical					
1	Suspended Particulate Matter (as SPM)	VEL/EN/STP/164, Issue No.-01 dated on 01/11/2023	1810.59	µg/m <sup>3</sup>	5000

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## Test Report

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

Report No. : VEL/AP/2512231055  
 Format No : 7.8 F-03  
 Party Reference No : By Mail  
 Reporting Date : 31/12/2025  
 Period of Analysis : 23/12/2025-27/12/2025  
 Receipt Date : 23/12/2025  
 ULR No. : TC629925200014313F

### General Information

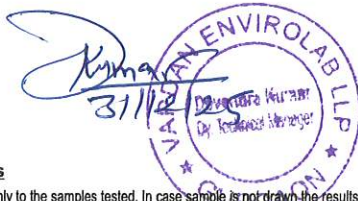
Sampling Location : Village- Jaliya  
 Sample Collected By : VEL Representative (Mr. Krish Kant)  
 Sampling Equipment used : RDS/FPS  
 Instrument Code : VEL/INS/ENV/RDS/07 & FPS/04  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 22/12/2025 To 23/12/2025  
 Time of Monitoring : 12:55 PM To 12:55 PM  
 Ambient Temperature (°C) : Min.10°C, Max.26°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	50.37	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	80.05	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	258.62	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	20.47	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	15.18	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.64	mg/m3	4

#-Indicates 1 hour monitoring of CO

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## Test Report

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)  
 Name of Sample : Ambient Air  
 Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2512231056  
 Format No : 7.8 F-03  
 Party Reference No : By Mail  
 Reporting Date : 31/12/2025  
 Period of Analysis : 23/12/2025-27/12/2025  
 Receipt Date : 23/12/2025  
 ULR No. : TC629925200014314F

### General Information

Sampling Location : Village- Devpura  
 Sample Collected By : VEL Representative (Mr. Krish Kant)  
 Sampling Equipment used : RDS/FPS  
 Instrument Code : VEL/INS/ENV/RDS/16 & FPS/16  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 22/12/2025 To 23/12/2025  
 Time of Monitoring : 12:20 PM To 12:20 PM  
 Ambient Temperature (°C) : Min.10°C, Max.26°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	49.62	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	88.67	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	254.24	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	20.04	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	13.54	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.63	mg/m3	4

#-Indicates 1 hour monitoring of CO

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## Test Report

Page No. 1/1

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

Report No. : VEL/AP/2512231057  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 31/12/2025  
Period of Analysis : 23/12/2025-27/12/2025  
Receipt Date : 23/12/2025  
ULR No. : TC629925200014315F

### General Information

Sampling Location : Village- Kamalpura  
Sample Collected By : VEL Representative (Mr. Krish Kant)  
Sampling Equipment used : RDS/FPS  
Instrument Code : VEL/INS/ENV/RDS/23 & FPS/23  
Instrument Calibration Status : Calibrated  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 22/12/2025 To 23/12/2025  
Time of Monitoring : 11:20 AM To 11:20 AM  
Ambient Temperature (°C) : Min.10°C, Max.26°C  
Surrounding Activity : Human & Vehicular Activities  
Scope of Monitoring : Regulatory Requirement  
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines  
Sampling Duration : 24.0 Hours.  
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24):2019	55.41	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	85.74	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	250.05	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	18.58	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	16.14	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.67	mg/m3	4

#-Indicates 1 hour monitoring of CO

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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)  
 Name of Sample : Ambient Air  
 Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2512231058  
 Format No : 7.8 F-03  
 Party Reference No : By Mail  
 Reporting Date : 31/12/2025  
 Period of Analysis : 23/12/2025-27/12/2025  
 Receipt Date : 23/12/2025  
 ULR No. : TC629925200014316F

### General Information

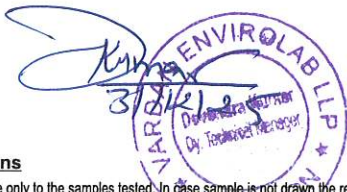
Sampling Location : Village- Lampiya  
 Sample Collected By : VEL Representative (Mr. Krish Kant)  
 Sampling Equipment used : RDS/FPS  
 Instrument Code : VEL/INS/ENV/RDS/03 & FPS/07  
 Instrument Calibration Status : Calibrated  
 Meteorological condition during monitoring : Clear Sky  
 Date of Monitoring : 22/12/2025 To 23/12/2025  
 Time of Monitoring : 11:40 AM To 11:40 AM  
 Ambient Temperature (°C) : Min.10°C, Max.26°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	54.79	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23):2006 RA:2017	84.44	µg/m3	100
3	Suspended Particulate Matter	IS 5182 (P-4): 1999 RA:2019	276.36	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6) : 2006,RA:2022	18.08	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2) : RA:2023	13.25	µg/m3	80
6	#Carbon Monoxide as CO (by NDIR)	IS 5182 (P-10):1999	0.64	mg/m3	4

#-Indicates 1 hour monitoring of CO

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## Test Report

Page No. 1/4

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

Report No. : VEL/W/2512101018  
 Format No : 7.8 F 03  
 Party Reference No : By Mail  
 Reporting Date : 18/12/2025  
 Period of Analysis : 10/12/2025-16/12/2025  
 Receipt Date : 10/12/2025  
 Sampling Date : 07/12/2025  
 Sampling Quantity : 10 Ltrs+250 ml  
 Sampling Type : Grab  
 ULR No. : TC629925200013516F

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)	7.28	-	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 <sub>3</sub> ),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	257.28	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	56.94	mg/L	75	200
8	Total Alkalinity (as CaCO <sub>3</sub> ),Max	IS:3025:Part 23:2023(Indicator Method)	276.67	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	151.01	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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## Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2512101018

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)	37.64	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	637.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	57.14	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)	8.76	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	BLQ(LOQ-0.01)	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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## Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2512101018

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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TC-6299

## Test Report

Page No. 4/4

Sample Number : VEL/GW/02

Report No. : VEL/W/2512101018

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  
18/12/25

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**VARDAN ENVIROLAB LLP**  
Nitin Kumar  
18/12/25  
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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/2512101018/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

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

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	145.92	mg/L	--	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*Kamlesh*  
18/12/25

Dr. Shiv Prakash  
Authorized Signatory

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## Test Report

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

Report No. : VEL/W/2512101019  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
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. : TC629925200013517F

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)	7.34	-	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 <sub>3</sub> ),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	403.20	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	87.72	mg/L	75	200
8	Total Alkalinity (as CaCO <sub>3</sub> ),Max	IS:3025:Part 23:2023(Indicator Method)	282.10	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	120.81	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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*[Signature]*  
18/12/25



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## Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2512101019

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)	44.68	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	619.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	61.75	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)	7.63	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	BLQ(LOQ-0.01)	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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*Signature*  
18/12/23



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## Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2512101019

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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*[Signature]*  
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*[Signature]*  
Dr. Shiv Singh

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## Test Report

Sample Number : VEL/GW/02

Report No. : VEL/W/2512101019

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  
Admin  
18/12/25

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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/2512101020/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
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 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)	147.84	mg/L	--	--

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

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## Test Report

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/2512101020  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
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 Protocol : IS, APHA & STP

ULR No. : TC629925200013518F

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 CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	224.64	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	63.10	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	276.67	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	110.74	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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*[Signature]*  
Dr. Shiv Prakash  
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TC-6299

## Test Report

Page No. 2/4

Sample Number : VEL/GW/03

Report No. : VEL/W/2512101020

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)	16.25	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	553.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	65.93	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.32	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	8.14	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	BLQ(LOQ-0.01)	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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18/11/23



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## Test Report

Sample Number : VEL/GW/03

Report No. : VEL/W/2512101020

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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## Test Report

Sample Number : VEL/GW/03

Report No. : VEL/W/2512101020

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. Mic. Biologist

Nitin  
18/12/25

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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/2512101020/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
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 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)	147.84	mg/L	--	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*Shivak*  
18/12/25



Authorized Signatory

*Dr. Shiv Prakash Singh*  
*Shiv Prakash Singh*

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TC-6299

## Test Report

Page No. 1/4

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

Report No. : VEL/W/2512101021  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

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

ULR No. : TC629925200013519F

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)	7.35	-	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)	276.48	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	63.10	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	287.52	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	108.22	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]*  
18/12/25



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*[Signature]*  
Dr. Shiv Singh  
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## Test Report

Page No. 2/4

Sample Number : VEL/GW/04

Report No. : VEL/W/2512101021

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)	28.85	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	630.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	93.77	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.31	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	5.08	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	BLQ(LOQ-0.01)	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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*[Signature]*  
18/11/23



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## Test Report

Sample Number : VEL/GW/04

Report No. : VEL/W/2512101021

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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18/12/23



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## Test Report

Sample Number : VEL/GW/04

Report No. : VEL/W/2512101021

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\*\*\*

**MITIN KUMAR**  
Sr. Microbiologist  
18/12/25

Reviewed By

**VARDAN ENVIROLAB LLP**  
Mitin Kumar  
18/12/25  
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## Test Report

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/2512101021/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

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

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	168.96	mg/L	--	--

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

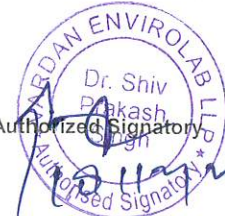
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## Test Report

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

Report No. : VEL/W/2512101022  
 Format No : 7.8 F 03  
 Party Reference No : By Mail  
 Reporting Date : 18/12/2025  
 Period of Analysis : 10/12/2025-16/12/2025  
 Receipt Date : 10/12/2025  
 Sampling Date : 08/12/2025  
 Sampling Quantity : 10 Ltrs+250 ml  
 Sampling Type : Grab  
 ULR No. : TC629925200013520F

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)	7.28	-	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)	288.00	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	67.71	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	282.10	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	145.98	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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18/12/25



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*Signature*  
Dr. Shiv Prakash  
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## Test Report

Sample Number : VEL/GW/05

Report No. : VEL/W/2512101022

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammdment	
					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)	28.85	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	686.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	74.02	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)	15.00	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	BLQ(LOQ-0.01)	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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*Signature*  
18/12/25



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*Signature*  
Dr. Shiv Prakash Singh  
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TC-6299

## Test Report

Page No. 3/4

Sample Number : VEL/GW/05

Report No. : VEL/W/2512101022

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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18/12/23



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19/12/23

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## Test Report

Sample Number : VEL/GW/05

Report No. : VEL/W/2512101022

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

Nitin  
18/12/25

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## Test Report

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

Report No. : VEL/W/2512101022/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
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)	174.72	mg/L	--	--

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

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# Vardan Envirolab LLP

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TC-6299

## Test Report

Page No. 1/4

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/2512101023  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

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

ULR No. : TC629925200013521F

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)	7.34	-	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)	326.40	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	93.88	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	434.00	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	181.22	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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## Test Report

Sample Number : VEL/GW/06

Report No. : VEL/W/2512101023

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)	22.28	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	791.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	70.65	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.27	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	6.85	mg/L	45	No Relaxation
17	Phenolic Compounds (as C6H5OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	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	BLQ(LOQ-0.01)	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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## Test Report

Sample Number : VEL/GW/06

Report No. : VEL/W/2512101023

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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*[Signature]*  
18/12/23



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D. Shiv  
Singh  
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## Test Report

Page No. 4/4

Sample Number : VEL/GW/06

Report No. : VEL/W/2512101023

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  
Date: 18/12/25

Reviewed By

**VARDAN ENVIROLAB LLP**  
Dharmendra Kumar  
Date: 18/12/25  
Authorized Signatory  
Technical Manager

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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/2512101023/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
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)	218.88	mg/L	--	--

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

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## Test Report

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

Report No. : VEL/W/2512101024  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab  
ULR No. : TC629925200013522F

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, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.42	-	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 <sub>3</sub> ),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	257.28	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	63.10	mg/L	75	200
8	Total Alkalinity (as CaCO <sub>3</sub> ),Max	IS:3025:Part 23:2023(Indicator Method)	254.97	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	143.46	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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## Test Report

Sample Number : VEL/GW/07

Report No. : VEL/W/2512101024

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Amendment	
					Acceptable Limit	Permissible Limits
11	Cyanide (as CN),Max	IS:3025 (P-27/Sec-1):2021(Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	24.18	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	529.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	45.23	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)	9.94	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	BLQ(LOQ-0.01)	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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## Test Report

Sample Number : VEL/GW/07

Report No. : VEL/W/2512101024

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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Sample Number : VEL/GW/07

Report No. : VEL/W/2512101024

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*  
18/12/25

Reviewed By



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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/2512101024/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
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 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)	155.52	mg/L	--	--

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

\*\*\*End of Report\*\*\*

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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/2512101025  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

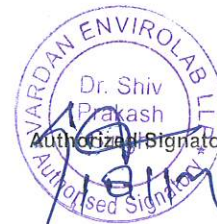
Name of Sample : Ground Water  
Sample Group : Water/Residues and contaminants in Water  
Location : Mandal Village  
Sample Collected by : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Sampling and Analysis Protocol : IS, APHA & STP

ULR No. : TC629925200013523F

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)	7.37	-	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 CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	207.36	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	58.48	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	227.85	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	85.57	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1)	mg/L	0.2	1

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## Test Report

Sample Number : VEL/GW/08

Report No. : VEL/W/2512101025

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)	14.86	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	512.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	53.45	mg/L	200	400
15	Fluoride (as F),Max	APHA 24th Edition 2023: 4500 F. D(SPADNS Method)	0.32	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	IS :3025(P-34/Sec1)2023:(Screening Method)	8.06	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	BLQ(LOQ-0.01)	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.01)	mg/L	0.1	0.3

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## Test Report

Sample Number : VEL/GW/08

Report No. : VEL/W/2512101025

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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## Test Report

Page No. 4/4

Sample Number : VEL/GW/08

Report No. : VEL/W/2512101025

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. Mic. Jurologist

*Nitin*  
18/12/25

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## Test Report

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/2512101025/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
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

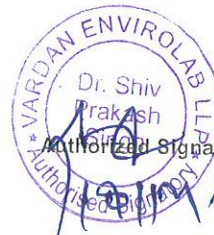
S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-40:1991(EDTA Titrimetric Method)	155.52	mg/L	--	--

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

\*\*\*End of Report\*\*\*

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*Shivprakash*  
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## Test Report

Page No. 1/4

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

Report No. : VEL/W/2512101026  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

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

ULR No. : TC629925200013524F

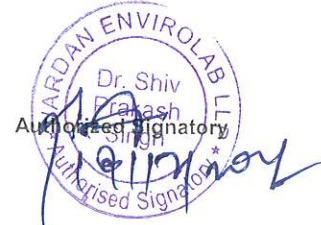
S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012, Ammendment	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Using Electrode)	7.16	-	6.5-8.5	No Relaxation
2	Colour,Max	IS:3025 (Part-4) :2021(Visual Comparison Method)	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	Agreeale	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	253.44	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	89.26	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23:2023(Indicator Method)	249.55	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	128.36	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/09

Report No. : VEL/W/2512101026

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-0.0 2)	mg/L	0.05	No Relaxation
12	Magnesium (as Mg),Max	IS:3025:P-46:2023(Volumetric method using EDTA)	7.36	mg/L	30	100
13	Total Dissolved Solids at 180° C,Max	IS: 3025:P-16:2023(Gravimetric Method)	484.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	42.64	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)	8.28	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-0.0 01)	mg/L	0.001	0.002
18	Anionic Detergents (as MBAS),Max	IS:3025 :P-68:: 2019(Methylene Blue Method)	BLQ(LOQ-0.0 5)	mg/L	0.2	1.0
19	Iron,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.0 1)	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-0.0 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	BLQ(LOQ-0.0 1)	mg/L	0.5	2.4
22	Zinc,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.0 1)	mg/L	5	15
23	Total Chromium,Max	VEL/W/STP/03, Issue No. -01,Issue Date-01/11/2023:2023	BLQ(LOQ-0.0 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-0.0 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-0.0 1)	mg/L	0.1	0.3

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## Test Report

Sample Number : VEL/GW/09

Report No. : VEL/W/2512101026

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

Reviewed By

*Shiv*  
18/12/23



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TC-6299

## Test Report

Page No. 4/4

Sample Number : VEL/GW/09

Report No. : VEL/W/2512101026

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. Mic. Biologist  
*(Nitin)*  
18/12/25

Reviewed By



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## Test Report

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/2512101026/N  
Format No : 7.8 F 03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

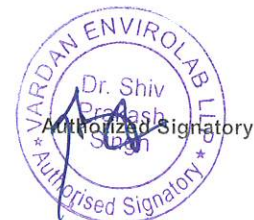
Name of Sample : Ground Water  
Sample Group : Water/Residues and contaminants in Water  
Location : Borewell Water  
Sample Collected by : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Sampling and Analysis Protocol : IS, APHA & STP

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)	218.88	mg/L	--	--

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

\*\*\*End of Report\*\*\*

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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/2512100001  
**Format No.:** 7.8 F-01

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

**Party Reference No.:** By Mail  
**Reporting Date:** 18/12/2025  
**Receipt Date:** 10/12/2025  
**Sampling Date:** 07/12/2025

## RESULTS

S. No.	Location	Latitude & Longitude	Depth (In meter)
1.	Lampiya Village	--	4.89
2.	Devpura Village	--	2.00
3.	Jaliya Village	--	2.80
4.	Kamalpura Village	--	1.90
5.	Mahua Khurd Village	--	2.30
6.	Baneda Village	--	5.10
7.	Chimanpura Village	--	2.20
8.	Mandal Village	--	1.60
9.	Lampiya Mine (Borewell)	--	4.10

\*\*\*End of Report\*\*\*

Page 1 of 1



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## Test Report

Page No. 1/3

Sample Number : VEL/SW/01

Report No. : VEL/W/2512101027

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 : 18/12/2025

Period of Analysis : 10/12/2025-16/12/2025

Receipt Date : 10/12/2025

Sampling Date : 08/12/2025

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

ULR No. : TC629925200013525F

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

Reviewed By  18/12/25



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## Test Report

Sample Number : VEL/SW/01

Report No. : VEL/W/2512101027

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	BLQ(LOQ-0.01)	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

Reviewed By

*[Handwritten Signature]*  
18/12/23



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## Test Report

Sample Number : VEL/SW/01

Report No. : VEL/W/2512101027

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  
Nitin  
18/12/25

Reviewed By



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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/2512101027/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/12/2025

Period of Analysis : 10/12/2025-16/12/2025

Receipt Date : 10/12/2025

Sampling Date : 08/12/2025

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)	7.29	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparision Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	215.04	mg/L
7	Calcium Hardness as CaCO3	By Calculation	167.04	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	103.19	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)	380.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	36.01	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)	3.22	mg/L
14	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With	BLQ(LOQ-0.001)	mg/L

Reviewed By

*[Signature]*  
18/12/25



Authorized Signatory

*[Signature]*  
Dr. Shiv Prakash  
Authorized Signatory

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## Test Report

Sample Number : VEL/SW/01

Report No. : VEL/W/2512101027/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)	66.94	mg/L
17	Total Alkalinity as CaCO3	IS:3025:P-23:1986(Indicator Method)	211.57	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	11.58	mg/L
19	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Signature]*  
18/12/25



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# Vardan Envirolab LLP

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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/2512101028

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/12/2025

Period of Analysis : 10/12/2025-16/12/2025

Receipt Date : 10/12/2025

Sampling Date : 08/12/2025

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

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

ULR No. : TC629925200013526F

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

Reviewed By

*(Signature)*  
18/12/25



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## Test Report

Sample Number : VEL/SW/02

Report No. : VEL/W/2512101028

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	BLQ(LOQ-0.01)	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

Reviewed By

*Signature*  
15/12/25



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TC-6299

## Test Report

Page No. 3/3

Sample Number : VEL/SW/02

Report No. : VEL/W/2512101028

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

*Nitin*  
18/12/25

Reviewed By

Dharmendra Kumar  
 Dixit  
 18/12/25  
 Authorized Signatory

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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/2512101028/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 18/12/2025

Period of Analysis : 10/12/2025-16/12/2025

Receipt Date : 10/12/2025

Sampling Date : 08/12/2025

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)	7.16	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparision Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	115.20	mg/L
7	Calcium Hardness as CaCO3	By Calculation	67.20	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	40.27	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)	216.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	18.16	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.24	mg/L
13	Nitrate as N	IS: 3025 : P - 34:1988 (Chromotropic Method)	1.33	mg/L
14	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With	BLQ(LOQ-0.001)	mg/L

Reviewed By

*18/12/25*



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## Test Report

Page No. 2/2

Sample Number : VEL/SW/02

Report No. : VEL/W/2512101028/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)	26.16	mg/L
17	Total Alkalinity as CaCO <sub>3</sub>	IS:3025:P-23:1986(Indicator Method)	103.07	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	12.10	mg/L
19	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L

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

\*\*\*End of Report\*\*\*

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ISO 9001 | ISO 14001 | ISO 45001



## Test Report

Page No. 1/3

Sample Number : VEL/SW/03

Report No. : VEL/W/2512101029

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 : 18/12/2025

Period of Analysis : 10/12/2025-16/12/2025

Receipt Date : 10/12/2025

Sampling Date : 08/12/2025

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. : TC629925200013527F

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

Reviewed By

*Kamlesh*  
18/12/25



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## Test Report

Sample Number : VEL/SW/03

Report No. : VEL/W/2512101029

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	BLQ(LOQ-0.01)	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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*Signature*  
18/12/23



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## Test Report

Sample Number : VEL/SW/03

Report No. : VEL/W/2512101029

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  
Nitin  
18/12/25

Reviewed By



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## Test Report

Page No. 1/2

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

Report No. : VEL/W/2512101029/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab

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

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.29	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparision Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	311.04	mg/L
7	Calcium Hardness as CaCO3	By Calculation	178.56	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	33.22	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)	304.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	51.07	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.23	mg/L
13	Nitrate as N	IS: 3025 : P - 34:1988 (Chromotropic Method)	1.59	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/03

Report No. : VEL/W/2512101029/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)	65.41	mg/L
17	Total Alkalinity as CaCO <sub>3</sub>	IS:3025:P-23:1986(Indicator Method)	260.40	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	35.84	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/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/2512101030  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 10 Ltrs+250 ml  
Sampling Type : Grab  
ULR No. : TC629925200013528F

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	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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18/12/25



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## Test Report

Sample Number : VEL/SW/04

Report No. : VEL/W/2512101030

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	BLQ(LOQ-0.01)	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

Reviewed By

*Deepak*  
18/12/23



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TC-6299

## Test Report

Page No. 3/3

Sample Number : VEL/SW/04

Report No. : VEL/W/2512101030

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  
(Nitin)  
18/12/25

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Authorized Signatory

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## Test Report

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/2512101030/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 18/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
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)	7.24	--
2	Taste	IS:3025 (P-8)2023	Not Performed	--
3	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
4	Colour	IS: 3025 :P-4:1983(Visual Comparision Method)	BLQ(LOQ-1.0)	Hazen
5	Odour	IS:3025 Part-5: 2018	Agreeable	--
6	Total Hardness as CaCO3	IS:3025:P-21:2009(EDTA Titrimetric Method)	155.52	mg/L
7	Calcium Hardness as CaCO3	By Calculation	94.08	mg/L
8	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	53.35	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)	261.00	mg/L
11	Sulphate (as SO4)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	21.85	mg/L
12	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.22	mg/L
13	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	3.03	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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*[Signature]*  
18/12/25



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## Test Report

Page No. 2/2

Sample Number : VEL/SW/04

Report No. : VEL/W/2512101030/N

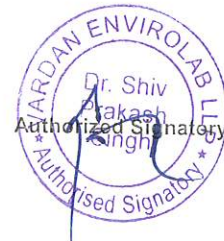
S.No.	Test Parameters	Test Method	Results	Units
14		Chloroform Extraction Method)		
15	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
16	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	42.32	mg/L
17	Total Alkalinity as CaCO <sub>3</sub>	IS:3025:P-23:1986(Indicator Method)	141.05	mg/L
18	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	12.08	mg/L
19	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L

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

\*\*\*End of Report\*\*\*

Reviewed By

*Sheela*  
18/12/25



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## Test Report

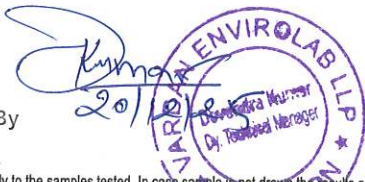
Sample Number : VEL/PE/01  
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)  
Araji No-9697/6711, Near Tiranga Hills, District-  
Bhilwara-311802 (Raj)

Report No. : VEL/PE/2512101021  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Grab  
Packing Status : OK  
ULR No. : TC629925200013674F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Banera Canal  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

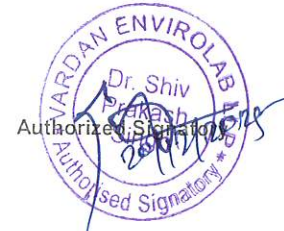
S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	8.25	-
2	Conductivity at 25°C	IS:14767: 2000	0.430	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	150.93	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	108.03	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	29.87	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	31.13	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	4.14	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.32	mg/kg

Reviewed By



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## Test Report

Sample Number : VEL/PE/01

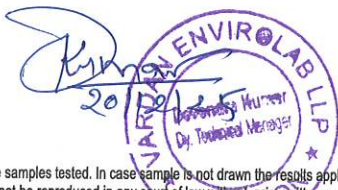
Report No. : VEL/PE/2512101021

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.63	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	7.68	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By



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## Test Report

Sample Number : VEL/PE/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/PE/2512101021/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Grab  
Packing Status : OK

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Banera Canal  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	162.14	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	54.21	mg/kg
3	Total Nitrogen	IS:14684	300.60	mg/kg

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

\*\*\*End of Report\*\*\*

Reviewed By

*Kamlesh*  
20/12/25  
Authorized Manager  
VARDAN ENVIROLAB LLP

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Authorized Signatory  
Dr. Shikha  
Singh  
VARDAN ENVIROLAB  
\*Authorized Signatory\*



# Vardan Envirolab LLP

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



TC-6299

## Test Report

Page No. 1/2

Sample Number : VEL/PE/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/PE/2512101022  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013675F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Lampiya Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	6.75	-
2	Conductivity at 25°C	IS:14767: 2000	0.420	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	176.14	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	81.90	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	25.42	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	16.93	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	3.89	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.51	mg/kg

Reviewed By

20/12/25  
Dr. Kamlesh Kumar  
Director & Manager  
VARDAN ENVIROLAB LLP

Dr. Shiv  
Authorised Signatory  
VARDAN ENVIROLAB LLP  
Authorised Signatory

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)  
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## Test Report

Page No. 2/2

Sample Number : VEL/PE/02

Report No. : VEL/PE/2512101022

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.79	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.26	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*Kuma*  
20/11/23

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## Test Report

Sample Number : VEL/PE/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/PE/2512101022/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Lampiya Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	59.44	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	51.49	mg/kg
3	Total Nitrogen	IS:14684	242.91	mg/kg

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Signature]*  
20/12/25  
Dhendra Kumar  
Dy. Technical Manager  
VARDAN ENVIROLAB LLP

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Dr. Shiv  
Authorized Signatory  
*[Signature]*  
VARDAN ENVIROLAB LLP  
Authorized Signatory



## Test Report

Sample Number : VEL/PE/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/PE/2512101023  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013676F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Mahua Khurd Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	8.20	-
2	Conductivity at 25°C	IS:14767: 2000	0.332	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	191.31	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	62.99	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	31.53	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	28.60	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	0.65	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	3.83	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.85	mg/kg

Reviewed By

*Kamlesh*  
20/12/25  
VARDAN ENVIROLAB LLP  
Dharmendra Kumar  
Sr. Technical Manager

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Authorized Signatory

VARDAN ENVIROLAB LLP  
Dr. Shiv  
20/12/25  
Authorized Signatory



## Test Report

Page No. 2/2

Sample Number : VEL/PE/03

Report No. : VEL/PE/2512101023

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.41	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	7.27	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Handwritten Signature]*  
20/11/2023  
Dr. Shiv Prakash Khurana  
Dr. Technical Manager  
VARDAN ENVIROLAB LLP

Dr. Shiv Prakash Khurana  
Authorized Signatory  
VARDAN ENVIROLAB LLP

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## Test Report

Page No. 1/1

Sample Number : VEL/PE/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/PE/2512101023/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 07/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Mahua Khurd Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	89.43	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	56.24	mg/kg
3	Total Nitrogen	IS:14684	241.52	mg/kg

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

\*\*\*End of Report\*\*\*

Reviewed By



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ISO 9001 | ISO 14001 | ISO 45001



## Test Report

Page No. 1/2

Sample Number : VEL/PE/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/PE/2512101024  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013677F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Kamalpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	7.19	-
2	Conductivity at 25°C	IS:14767: 2000	0.459	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	125.73	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	90.97	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	29.69	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	17.96	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	4.07	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.85	mg/kg

Reviewed By

*Kamlesh*  
20/12/2025  
Kamlesh Khurana  
City. Technical Manager

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D. Shiv  
Prakash  
Authorized Signatory  
20/12/2025  
Authorized Signatory

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ISO 9001 | ISO 14001 | ISO 45001



## Test Report

Page No. 2/2

Sample Number : VEL/PE/04

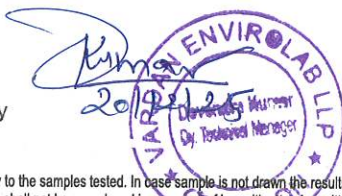
Report No. : VEL/PE/2512101024

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.77	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.57	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By



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## Test Report

Page No. 1/1

Sample Number : VEL/PE/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/PE/2512101024/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

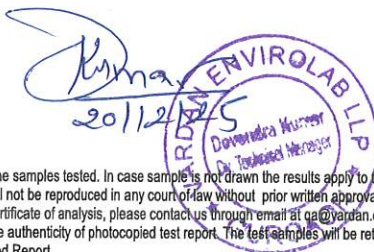
Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Kamalpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	72.20	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	55.96	mg/kg
3	Total Nitrogen	IS:14684	252.02	mg/kg

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

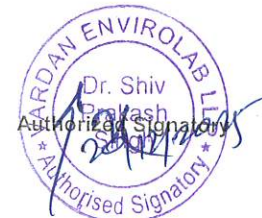
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## Test Report

Page No. 1/2

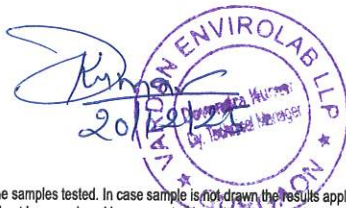
Sample Number : VEL/PE/05  
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)  
Araji No-9697/6711, Near Tiranga Hills, District-  
Bhilwara-311802 (Raj)

Report No. : VEL/PE/2512101025  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-15/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013678F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Jaliya Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	7.54	-
2	Conductivity at 25°C	IS:14767: 2000	0.462	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	201.20	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	96.21	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	42.38	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	31.08	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	0.59	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	4.12	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.32	mg/kg

Reviewed By



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## Test Report

Page No. 2/2

Sample Number : VEL/PE/05

Report No. : VEL/PE/2512101025

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.85	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	7.638	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Signature]*  
20/11/23

**VARDAN ENVIROLAB LLP**  
Dimpledra Humber  
Dy. Technical Manager

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**VARDAN ENVIROLAB LLP**  
Dr. Shiv Prakash  
Authorized Signatory  
*[Signature]*  
\*Authorized Signatory\*

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## Test Report

Page No. 1/1

Sample Number : VEL/PE/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/PE/2512101025/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-15/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Jaliya Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	120.25	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	60.25	mg/kg
3	Total Nitrogen	IS:14684	297.56	mg/kg

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

\*\*\*End of Report\*\*\*

Reviewed By

*Kamlesh*  
20/12/2025  
Devesh Kumar  
Sr. Technical Manager  
VARDAN ENVIROLAB LLP

Dr. Shiv  
Authorized Signatory  
20/12/2025  
VARDAN ENVIROLAB LLP  
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## Test Report

Page No. 1/2



Sample Number : VEL/PE/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/PE/2512101026  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-15/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013679F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Devpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	7.29	-
2	Conductivity at 25°C	IS:14767: 2000	0.350	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	150.97	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	97.39	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	36.60	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	15.04	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	3.44	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.77	mg/kg

Reviewed By

  
20/12/2025  
  
Dr. Kamlesh  
Dr. Technical Manager

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Dr. Shiv  
Authorized Signatory  
  
Authorized Signatory

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TC-6299

## Test Report

Page No. 2/2

Sample Number : VEL/PE/06

Report No. : VEL/PE/2512101026

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.53	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	4.69	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Signature]*  
  
 Dr. Tejaswini Khurana  
 Dr. Tejaswini Khurana

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*[Signature]*  
  
 Dr. Shiv Akash Singh  
 Authorised Signatory

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## Test Report

Page No. 1/1

Sample Number : VEL/PE/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/PE/2512101026/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-15/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

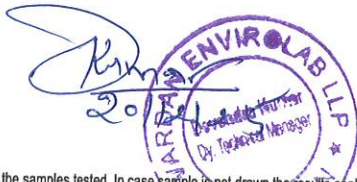
Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Devpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	64.20	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	50.71	mg/kg
3	Total Nitrogen	IS:14684	236.95	mg/kg

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

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## Test Report

Page No. 1/2

Sample Number : VEL/PE/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/PE/2512101027  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013680F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Chimanpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	7.54	-
2	Conductivity at 25°C	IS:14767: 2000	0.305	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	162.77	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	75.36	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	33.43	kg./hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	32.59	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	0.62	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	4.32	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.56	mg/kg

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*Kamlesh*  
20/12/2025  
Kamlesh Kumar  
Regional Manager

Dr. Shiv Prakash  
Authorized Signatory  
20/12/2025



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ISO 9001 | ISO 14001 | ISO 45001



## Test Report

Page No. 2/2

Sample Number : VEL/PE/07

Report No. : VEL/PE/2512101027

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.68	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	8.08	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*[Handwritten Signature]*  
20/11/23  
Dr. Roshni Meher  
Dr. Roshni Meher

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Dr. Shiv  
Roshni  
Authorized Signatory  
20/11/23

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## Test Report

Page No. 1/1

Sample Number : VEL/PE/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/PE/2512101027/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Chimanpura Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	69.68	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	46.27	mg/kg
3	Total Nitrogen	IS:14684	151.89	mg/kg

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

\*\*\*End of Report\*\*\*

Reviewed By

  
20/12/2025  
  
Kamlesh  
Dr. Technical Manager

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20/12/2025  
  
Dr. Shiv Prakash  
Authorized Signatory  
Authorised Signatory

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## Test Report

Page No. 1/2

Sample Number : VEL/PE/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/PE/2512101028  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK  
ULR No. : TC629925200013681F

Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Mandal Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH	IS:2720 Part-26,1987 RA:2021	7.71	-
2	Conductivity at 25°C	IS:14767: 2000	0.384	mS/cm
3	Chloride	VEL/EN/STP/69, Issue No.- 01, Issue date 01/11/2023	148.14	mg/kg
4	Exchangeable Potassium as K	VEL/EN/STP/61, Issue No.- 01, Issue date 01/11/2023	78.60	mg/kg
5	Phosphate as PO4	VEL/EN/STP/73, Issue No.- 01, Issue date 01/11/2023	28.84	kg. /hec.
6	Total Zinc (as Zn)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	16.76	mg/kg
7	Total Chromium (as Cr)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
8	Total Lead (as Pb)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	3.93	mg/kg
9	Total Cadmium (as Cd)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	BLQ(LOQ-0.5)	mg/kg
10	Total Copper (as Cu)	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	6.50	mg/kg

Reviewed By

*Kumari*  
20/12/25  
Dr. Technical Manager  
VARDAN ENVIROLAB LLP

Dr. Shiv  
Authorized Signatory  
20/12/25  
VARDAN ENVIROLAB LLP  
Authorized Signatory

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## Test Report

Sample Number : VEL/PE/08

Report No. : VEL/PE/2512101028

Page No. 2/2

S.No.	Parameters	Test Method	Results	Units
11	Organic Carbon	IS:2720 Part-22 :1972	0.62	%
12	Nickel	VEL/HW/STP/03, Issue No.- 01, Issue date 01/11/2023	5.24	mg/kg
13	Soil Texture	VEL/EN/STP/64, Issue No.- 01, Issue date 01/11/2023	Sandy	--

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

\*\*\*End of Report\*\*\*

Reviewed By

*Kumar*  
2011/11/2023  
Signature Manager  
Dr. Technical Manager

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Dr. Shiv Prakash  
Authorised Signatory  
05/11/2023

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## Test Report

Page No. 1/1

Sample Number : VEL/PE/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/PE/2512101028/N  
Format No : 7.8 F-03  
Party Reference No : By Mail  
Reporting Date : 20/12/2025  
Period of Analysis : 10/12/2025-16/12/2025  
Receipt Date : 10/12/2025  
Sampling Date : 08/12/2025  
Sampling Quantity : 2.0 kg  
Sampling Type : Composite  
Packing Status : OK

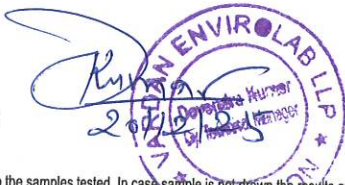
Name of Sample : SOIL  
Sample Group : Pollution & Environment  
Location : Mandal Village  
Sample Collected By : VEL Representative (Mr. Kamlesh)  
Environmental Condition : 25±2°C  
Parameter Required : As per work order  
Sampling and Analysis Protocol : IS 2720 & STP

S.No.	Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Sulphate	IS :2720 (Part-26)	52.40	mg/kg
2	Carbonate	SOP, SP-86, Issue No.01	51.26	mg/kg
3	Total Nitrogen	IS:14684	212.59	mg/kg

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

\*\*\*End of Report\*\*\*

Reviewed By



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