



Test Report

Page No. 1/2

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

Report No. : VEL/AP/2406181006
Format No : 7.6 F-03
Party Reference No : By Mail
Reporting Date : 25/06/2024
Period of Analysis : 18/06/2024-24/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003888F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Banera Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/16 & FPS/23
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 12:58 PM To 12:58 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	44.48	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	81.65	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	226.05	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	23.24	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	14.57	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	22.22	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	19.02	µg/m3	180
8	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m3	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m3	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m3	5
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1

Reviewed By

Authorized Signatory

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Test Report

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Sample Number : VEL/AP/06

Report No. : VEL/AP/2406181006

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-26)	BLO(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.61	mg/m3	4

#-Indicates 1 hour monitoring of CO & Ozone

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

End of Report



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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-
Bhiwara-311802 (Raj)

Report No. : VEL/AP/2406181007
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 25/06/2024
Period of Analysis : 18/06/2024-24/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003889F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mahua Khurd Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/25 & FPS/16
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 02:30 PM To 02:30 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	37.55	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	88.22	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	267.19	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	27.68	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	12.35	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	21.42	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	21.62	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

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Sample Number : VEL/AP/07

Report No. : VEL/AP/2406181007

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.58	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

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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/2406181005

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 25/06/2024

Period of Analysis : 18/06/2024-24/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003887F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Chimanpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/27 & FPS/32
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 03:59 PM To 03:59 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	36.63	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	82.59	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	249.57	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	24.21	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	13.53	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	23.11	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	18.28	µg/m3	180
8	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m3	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m3	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No - 01, Issue date: 01/11/2021	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1

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Test Report

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Sample Number : VEL/AP/05

Report No. : VEL/AP/2406181005

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.59	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

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)

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2406181008
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 25/06/2024
Period of Analysis : 18/06/2024-24/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003890F

General Information

Sampling Location : Mandal Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/23 & FPS/31
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 04:30 PM To 04:30 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	46.97	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	87.75	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	221.18	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	24.62	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	11.65	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	23.11	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	20.08	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

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Sample Number : VEL/AP/08

Report No. : VEL/AP/2406181008

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-28)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.66	mg/m3	4

#-Indicates 1 hour monitoring of CO & Ozone

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Test Report

Page No. 1/2

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

Report No. : VEL/AP/2406181004
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 25/06/2024
Period of Analysis : 18/06/2024-24/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003886F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/25 & FPS/16
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 12:20 PM To 12:20 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	39.23	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	83.89	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	246.07	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	26.08	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	16.46	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	23.33	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	18.71	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- D1, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

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Sample Number : VEL/AP/04

Report No. : VEL/AP/2406181004

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.57	mg/m3	4

#-Indicates 1 hour monitoring of CO & Ozone

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

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Sample Number : VEL/AP/04

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Araj No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/AP/2406181003

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 25/06/2024

Period of Analysis : 18/06/2024-24/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003885F

Name of Sample : Ambient Air

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/16 & FPS/23
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 11:50 AM To 11:50 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human/Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM _{2.5})	IS 5182 (P-24)	42.15	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	91.99	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	223.97	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	24.67	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	12.96	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	27.26	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	20.24	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.-01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

Page No. 2/2

Sample Number : VEL/AP/04

Report No. : VEL/AP/2405181003

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-28)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.55	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

Page No. 1/2

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

Report No. : VEL/AP/2406181002
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 25/06/2024
Period of Analysis : 18/06/2024-24/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003884F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/27 & FPS/32
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 01:30 PM To 01:30 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	52.53	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	81.34	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	222.87	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	27.45	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	13.46	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	25.76	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	19.13	µg/m3	180
8	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m3	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m3	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1

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Test Report

Page No. 2/2

Sample Number : VEL/AP/02

Report No. : VEL/AP/2406181002

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	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

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/2406181001
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 25/06/2024
Period of Analysis : 18/06/2024-24/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003553F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/23 & FPS/31
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 01:00 PM To 01:00 PM
Ambient Temperature (°C) : Min.25°C. Max.31°C
Surrounding Activity : Human/Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	44.43	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	88.36	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	246.69	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	28.35	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	13.41	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	26.30	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	17.86	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Pravesh
Singh

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Test Report

Page No. 2/2

Sample Number: VEL/AP/01

Report No. : VEL/AP/2406181001

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.59	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

Page No. 1/1

Sample Number : VEL/AP/04

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Arajil No-8697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2406271004
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2024
Period of Analysis : 27/06/2024-03/07/2024
Receipt Date : 27/06/2024
ULR No. : TC629924200004244F

General Information
Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/23 & FPS/31
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 24/06/2024 To 25/06/2024
Time of Monitoring : 11:40 AM To 11:40 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human/Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	53.62	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	85.24	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	219.52	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	26.55	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	20.94	µg/m ³	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.86	mg/m ³	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)

Report No. : VEL/AP/2406271003
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2024
Period of Analysis : 27/06/2024-03/07/2024
Receipt Date : 27/06/2024
ULR No. : TC629924200004243F

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

General Information
Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/16 & FPS/23
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 24/06/2024 To 25/06/2024
Time of Monitoring : 11:20 PM To 11:20 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	50.37	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	87.3536	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	225.68	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	27.21	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	20.11	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.83	mg/m3	4

#Indicates 1 hour monitoring of CO.

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Test Report

Page No. 1/1

Sample Number : VEL/AP/02

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

Report No. : VEL/AP/2406271002

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 04/07/2024

Period of Analysis : 27/06/2024-03/07/2024

Receipt Date : 27/06/2024

ULR No. : TC629924200004242F

Name of Sample : Ambient Air

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Daxpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/27 & FPS/32
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 24/06/2024 To 25/06/2024
Time of Monitoring : 12:30 PM To 12:30 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	54.31	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	86.87	µg/m ³	103
3	Total Suspended Particulate Matter	IS 5182 (P-4)	217.49	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	25.72	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	19.23	µg/m ³	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.83	mg/m ³	4

#-indicates 1 hour monitoring of CO.

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Test Report

Page No. 1/1

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

Report No. : VEL/AP/2406271001
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2024
Period of Analysis : 27/06/2024-03/07/2024
Receipt Date : 27/06/2024
ULR No. : TC629924200004241F

General Information
Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/25 & FPS/16
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 24/06/2024 To 25/06/2024
Time of Monitoring : 12:20 PM To 12:20 PM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24:0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	51.89	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	81.60	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	213.75	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	23.46	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	19.57	µg/m ³	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.81	mg/m ³	4

#Indicates 1 hour monitoring of CO.

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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/2406181019

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 18/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003834F

Name of Sample : Fugitive Dust monitoring

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Loading Point Lampiya Mines
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS
Instrument Code : VEL/RDS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024
Time of Monitoring : 01:46 PM to 09:46 PM
Ambient Temperature (°C) : 25.0
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : Fugitive Emission
Sampling Duration : 8.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Unit	Limit as per CPCB
Discipline : Chemical					
1	Suspended Particulate Matter (as SPM)	VEL/ENV/STP/118, Issue No.- 01, dated on 01/11/2021	416.04	µg/m ³	5000.0

End of Report



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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/2406181020
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/06/2024
Period of Analysis : 18/06/2024-21/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003835F

General Information

Sampling Location : Haul Road (Lampiya Mines)
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS
Instrument Code : VEL/RDS/07
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024
Time of Monitoring : 01:30 PM to 09:30 PM
Ambient Temperature (°C) : 25.0
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : Fugitive Emission
Sampling Duration : 8.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Unit	Limit as per CPCB
Discipline : Chemical					
1	Suspended Particulate Matter (as SPM)	VEL/ENV/STP/118, Issue No.- 01, dated on 01/11/2021	401.25	µg/m ³	5000.0

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Test Report

Page No. 1/4

Sample Number : VEL/W/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/2406181008
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 10/06/2024
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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629924200003967F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	6.93	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	297.90	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	52.53	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	333.20	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	285.59	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	40.47	mg/L	30	100

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Authorized Signatory



Test Report

Page No. 2/4

Sample Number : VEL/W/04

Report No. : VEL/W/2406181008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10560:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	720.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	56.02	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.24	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	8.47	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.018	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0	mg/L	0.01	No Relaxation

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Test Report

Page No. 3/4

Sample Number: VEL/W/04

Report No. : VEL/W/2406181008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/04

Report No. : VEL/W/2406181008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/10 0ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/10 0ml	--	--

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

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Test Report

Page No. 1/1

Sample Number : VEL/W/04
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araj No-9607/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2406181008/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 10/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	131.07	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0 0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

Sample Number : VEL/W/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/2406181007

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP,,,

ULR No. : TC629924200003966F

Protocol

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.14	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	375.35	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	78.80	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	490.00	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	87.64	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	43.33	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/03

Report No. : VEL/W/2406181007

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	808.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	58.25	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.39	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	11.48	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1):2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.017	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.037	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0)	mg/L	0.01	No Relaxation



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Test Report

Page No. 3/4

Sample Number: VEL/W/03

Report No. : VEL/W/2406181007

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/03

Report No. : VEL/W/2406181007

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/100ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/100ml	--	--

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

End of Report



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Test Report

Page No. 1/1

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

Report No. : VEL/W/2406181007/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 11/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	196.61	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0 0005)	mg/L	0.0001	No Relaxation

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/W/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/2406181006

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 10/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629924200003965F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.21	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	399.18	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	97.11	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	372.40	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	95.52	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	38.00	mg/L	30	100

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Test Report

Page No: 2/4

Sample Number : VEL/W/02

Report No. : VEL/W/2406181006

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	776.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	119.31	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.31	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	8.25	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.235	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.087	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0	mg/L	0.01	No Relaxation



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Test Report

Page No. 3/4

Sample Number : VEL/W/02

Report No. : VEL/W/2406181006

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/02

Report No. : VEL/W/2406181006

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/10 0ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/10 0ml	--	--

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

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Test Report

Page No. 1/1

Sample Number : VEL/W/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/2406181006/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 10/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	242.29	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

Sample Number : VEL/W/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/2406181005
Format No : 7.3 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/08/2024
Sampling Date : 10/06/2024
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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP,...

ULR No. : TC629924200003964F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.34	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	347.55	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	73.23	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	421.40	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	177.26	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	39.96	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/01

Report No. : VEL/W/2405181005

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	788.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	119.76	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.37	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	8.06	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.239	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.084	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0)	mg/L	0.01	No Relaxation



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Test Report

Page No. 3/4

Sample Number : VEL/W/01

Report No. : VEL/W/2406181005

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/01

Report No. : VEL/W/2406181005

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/10 0ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/10 0ml	--	--

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

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Test Report

Page No. 1/1

Sample Number : VEL/W/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/2406181005/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 10/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	182.71	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

Sample Number: VEL/W/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/2406181010

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629924200003969F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.59	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	506.43	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	115.41	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	372.40	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	88.63	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	52.95	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/06

Report No. : VEL/W/2406181010

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	812.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1);2022,Turbidity Method	75.04	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.38	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	10.21	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.0 005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 1)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.139	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.263	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.021	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 1)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 02)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 02)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0	mg/L	0.01	No Relaxation



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Test Report

Page No. 3/4

Sample Number : VEL/W/06

Report No. : VEL/W/2406181010

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/06

Report No. : VEL/W/2406181010

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/10 0ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/10 0ml	--	--

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

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Test Report

Page No. 1/1

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

Report No. : VEL/W/2406181010/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 11/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	287.97	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

Sample Number : VEL/W/07

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9607/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2406181011

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP ...

ULR No. : TC629924200003970F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.27	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	297.90	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	75.61	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	303.80	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	83.70	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	26.45	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/07

Report No. : VEL/W/2406181011

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	740.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	70.31	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.32	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	9.54	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1):2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.175	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0	mg/L	0.01	No Relaxation

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Test Report

Page No. 3/4

Sample Number : VEL/W/07

Report No. : VEL/W/2406181011

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/07

Report No. : VEL/W/2406181011

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/10 0ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/10 0ml	--	--

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

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Test Report

Page No. 1/1

Sample Number : VEL/W/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/2408181011/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 11/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	188.67	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

Sample Number : VEL/W/05

Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-9897/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2406181009

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP,,

ULR No. : TC829924200003968F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.93	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	266.12	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	63.67	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	289.10	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	123.10	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	25.98	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number: VEL/W/05

Report No. : VEL/W/2406181009

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	414.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	27.01	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.39	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	13.69	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.135	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.122	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.008	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0	mg/L	0.01	No Relaxation



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Test Report

Page No. 3/4

Sample Number : VEL/W/05

Report No. : VEL/W/2406181008

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number: VEL/W/05

Report No. : VEL/W/2406181009

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/10 0ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/10 0ml	--	--

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

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Test Report

Page No. 1/1

Sample Number : VEL/W/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/2466181009/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 26±2°C
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	158.88	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0 0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

Sample Number : VEL/W/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/2406181012
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 11/06/2024
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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629924200003971F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025:Part 11: 2022,(Electrode Method)	7.32	-	6.5-8.5	No Relaxation
2	Colour,Max	IS 3025 :Part-14:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS: 3025:P-10:1984(Nephelometric Method)	<1.0	NTU	1	5
4	Odour	IS:3025 Part-5: 2018	Agreeable	-	Agreeable	Agreeable
5	Taste	IS: 3025:P-8:1984	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025:P-21:2009(EDTA Titrimetric Method)	331.66	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	90.74	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	254.80	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	44.31	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.1 5)	mg/L	0.2	1
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	APHA 23rd Edition 2017:, 3500 Mg	25.46	mg/L	30	100

Reviewed By

Deepak
27/06/2024

Authorized Signatory

Praveen
27/06/2024

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Test Report

Page No. 2/4

Sample Number : VEL/W/08

Report No. : VEL/W/2406181012

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
12		B,(By Calculation Method)				
13	Total Dissolved Solids at 180°C,Max	IS: 3025:P-16:1984(Gravimetric Method)	636.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	61.28	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.37	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	9.14	mg/L	45	No Relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	Clause-6 of IS 3025 (P-43/Sec-1) :2022 (With Chloroform Extraction Method)	BLQ(LOQ-0.005)	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/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	1.0	No Relaxation
20	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.011	mg/L	0.03	0.2
21	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.107	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
23	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
24	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
25	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.1	0.3
26	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No Relaxation
27	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No Relaxation
28	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue	BLQ(LOQ-0.0)	mg/L	0.01	No Relaxation



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Test Report

Page No. 3/4

Sample Number : VEL/W/08

Report No. : VEL/W/2406181012

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
28		No-01, Issue Date-01/11/2021	01)			
29	Arsenic as As, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.01	No Relaxation
30	Mercury as Hg, Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.001	No Relaxation
31	Mineral Oil, Max	IS 3025 (Part 39): 2021 (Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L	1.0	No Relaxation
32	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Test Report

Page No. 4/4

Sample Number : VEL/W/08

Report No. : VEL/W/2406181012

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
Discipline : Biological						
33	Coliform	APHA, 23rd Edition 2017, 9221B	<1.8	MPN/100ml	-	--
34	Escherichia coli	APHA, 23rd Edition 2017, 9221F	<1.8	MPN/100ml	--	--

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

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Test Report

Page No. 1/1

Sample Number : VEL/W/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/2406181012/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 11/06/2024
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. Deepak)
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	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	Calcium Hardness	IS:3025:P-21:2009(EDTA Titrimetric Method)	226.40	mg/L	--	--
2	Polynuclear Aromatic Hydrocarbin(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.0001	No Relaxation

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

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Test Report

Page No. 1/4

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)
Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

Report No. : VEL/W/2406181014
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 27/06/2024
Period of Analysis : 18/06/2024-25/06/2024
Receipt Date : 18/06/2024
Sampling Date : 11/06/2024
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629924200003973F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.81	--
2	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
3	Colour	IS: 3025 :P-4:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen
4	Odour	IS:3025:P-5:1983	Agreeable	--
5	Total Hardness as CaCO ₃	IS:3025:P-21:2009(EDTA Titrimetric Method)	127.10	mg/L
6	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	29.05	mg/L
7	Residual Free Chlorine	IS:3025;P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.15)	mg/L
8	Cyanide as CN	IS 3025 (P-27/Sec1) : 2021 (Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
9	Total Dissolved Solids at 180° C	IS:3025 :P-16:1984(Gravimetric Method)	268.00	mg/L
10	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	30.51	mg/L
11	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.23	mg/L
12	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	5.85	mg/L
13	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
14	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.001)	mg/L



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Test Report

Page No. 2/4

Sample Number : VEL/SW/01

Report No. : VEL/W/2406181014

S.No.	Test Parameters	Test Method	Results	Units
14		01/11/2021		
15	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
16	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
17	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
18	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With Chloroform Extraction Method)	BLQ(LOQ-0.0005)	mg/L
19	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
20	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.011	mg/L
21	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
22	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
23	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	34.22	mg/L
24	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	122.50	mg/L
25	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	10.09	mg/L
26	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
27	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.190	mg/L
28	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L
29	Mineral Oil	IS:3025 :Part 39:: 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L
30	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
31	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L
32	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.0005)	mg/L



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Test Report

Page No. 3/4

Sample Number : VEL/SW/01

Report No. : VEL/W/2406181014

S.No.	Test Parameters	Test Method	Results	Units
32		01/11/2021		

01/11/2021



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Test Report

Page No. 4/4

Sample Number : VEL/SW/01

Report No. : VEL/W/2406181014

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
33	Total Coliform	APHA, 23rd Edition, 9221B	14	MPN/100ml
34	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

End of Report



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Test Report

Page No. 1/1

Sample Number: VEL/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/2406181014/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Taste	IS:3025 (P-8)2023	Not Perform	--
2	Calcium Hardness	By Calculation	85.39	mg/L
3	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	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/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/2406181015

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 12/06/2024

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water

Sample Group : Water/Residues and contaminants in Water

Location : Lampiya Pit

Sample Collected By : VEL Representative (Mr. Deepak)

Environmental Condition : 25±2°C

Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629924200003974F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.46	--
2	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
3	Colour	IS: 3025 :P-4:1983(Visual Comparision Method)	BLQ(LOQ-1.0)	Hazen
4	Odour	IS:3025:P-5:1983	Agreeable	--
5	Total Hardness as CaCO ₃	IS:3025:P-21:2009(EDTA Titrimetric Method)	526.29	mg/L
6	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	68.93	mg/L
7	Residual Free Chlorine	IS:3025;P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.15)	mg/L
8	Cyanide as CN	IS 3025 (P-27/Sec1) : 2021 (Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
9	Total Dissolved Solids at 180° C	IS:3025 :P-16:1984(Gravimetric Method)	788.00	mg/L
10	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	128.04	mg/L
11	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.39	mg/L
12	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	9.62	mg/L
13	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
14	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.001)	mg/L

Reviewed By

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Test Report

Page No. 2/4

Sample Number : VEL/SW/03

Report No. : VEL/W/2406181015

S.No.	Test Parameters	Test Method	Results	Units
14		01/11/2021		
15	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
16	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
17	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
18	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With Chloroform Extraction Method)	BLQ(LOQ-0.0005)	mg/L
19	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
20	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.040	mg/L
21	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
22	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
23	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	117.80	mg/L
24	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	102.90	mg/L
25	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	56.32	mg/L
26	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
27	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.018	mg/L
28	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L
29	Mineral Oil	IS:3025 :Part 39:: 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L
30	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.021	mg/L
31	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L
32	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.0005)	mg/L

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Authorized Signatory

Prakash Singh

12/10/2024

Authorized Signatory



Test Report

Page No. 3/4

Sample Number : VEL/SW/03

Report No. : VEL/W/2406181015

S.No.	Test Parameters	Test Method	Results	Units
32		01/11/2021		



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Test Report

Page No. 4/4

Sample Number : VEL/SW/03

Report No. : VEL/W/2406181015

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
33	Total Coliform	APHA, 23rd Edition, 9221B	14	MPN/100ml
34	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/SW/03

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

Report No. : VEL/W/2406181015/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 12/06/2024

Sampling Quantity : 10 Ltrs+250 ml

Sampling Type : Grab

Name of Sample : Surface Water
Sample Group : Water/Residues and contaminants in Water
Location : Lampiya Pit
Sample Collected By : VEL Representative (Mr. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Taste	IS:3025 (P-8)2023	Not Perform	--
2	Calcium Hardness	By Calculation	287.97	mg/L
3	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L

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

End of Report

Reviewed By
27/06/2024

Authorized Signatory
Shiv Singh
27/06/2024

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Test Report

Page No. 1/4

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/2406181016

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629924200003975F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.37	--
2	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	<1.0	NTU
3	Colour	IS: 3025 :P-4:1983(Visual Comparison Method)	BLQ(LOQ-1.0)	Hazen
4	Odour	IS:3025:P-5:1983	Agreeable	--
5	Total Hardness as CaCO ₃	IS:3025:P-21:2009(EDTA Titrimetric Method)	127.10	mg/L
6	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	103.40	mg/L
7	Residual Free Chlorine	IS:3025:P-26: 2021(Colorimetric Method using DPD)	BLQ(LOQ-0.15)	mg/L
8	Cyanide as CN	IS 3025 (P-27/Sec1) : 2021 (Pyridine Barbituric Acid Method)	BLQ(LOQ-0.02)	mg/L
9	Total Dissolved Solids at 180° C	IS:3025 :P-16:1984(Gravimetric Method)	322.00	mg/L
10	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	24.74	mg/L
11	Fluoride (as F)	APHA 4500 F-D: 24th Edition : 2023 (SPADNS Method)	0.21	mg/L
12	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	1.58	mg/L
13	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
14	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.001)	mg/L

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Test Report

Page No. 2/4

Sample Number : VEL/SW/02

Report No. : VEL/W/2406181016

S.No.	Test Parameters	Test Method	Results	Units
14		01/11/2021		
15	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
16	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
17	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
18	Phenolic Compounds	Clause-6 of IS 3025 (P-43/Sec-1) :2022(With Chloroform Extraction Method)	BLQ(LOQ-0.0005)	mg/L
19	Anionic Detergent as MBAS	IS:3025:Part- 68:2019(Methylene Blue Method)	BLQ(LOQ-0.05)	mg/L
20	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.062	mg/L
21	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
22	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
23	Calcium as Ca	IS: 3025:P-40:(EDTA Titrimetric Method)	23.87	mg/L
24	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	107.80	mg/L
25	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	16.38	mg/L
26	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.031	mg/L
27	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.178	mg/L
28	Total Suspended Solids	IS: 3025 :P-17:1984(Gravimetric Method)	BLQ(LOQ-1.0)	mg/L
29	Mineral Oil	IS:3025 :Part 39:: 2021(Infrared Spectroscopic Method)	BLQ(LOQ-0.1)	mg/L
30	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
31	Total Pesticides residues	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L
32	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No. 01, Issue date	BLQ(LOQ-0.0005)	mg/L

Reviewed By

[Signature]
27/08/2021

Authorized Signatory

[Signature]
27/08/2021
Singh

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Test Report

Page No: 3/4

Sample Number : VEL/SW/02

Report No. : VEL/W/2406181016

S.No.	Test Parameters	Test Method	Results	Units
32		01/11/2021		



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Test Report

Page No. 4/4

Sample Number : VEL/SW/02

Report No. : VEL/W/2406181016

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
33	Total Coliform	APHA, 23rd Edition, 9221B	12	MPN/100ml
34	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

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Test Report

Page No. 1/1

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/2406181016/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 27/06/2024

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

Receipt Date : 18/06/2024

Sampling Date : 11/06/2024

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. Deepak)
Environmental Condition : 25±2°C
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	Taste	IS:3025 (P-8)2023	Not Perform	--
2	Calcium Hardness	By Calculation	59.58	mg/L
3	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L

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

End of Report

Reviewed By 
27/06/2024

Authorized Signatory 
27/06/2024

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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/2406181012

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003827F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/07
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	50.65	40.29	dB (A)

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

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

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

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

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/AP/11

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

Report No. : VEL/AP/2406181011

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003826F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	51.81	42.62	dB (A)

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

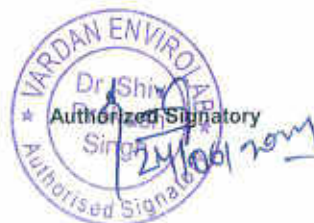
Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

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

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

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

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Test Report

Page No. 1/1

Sample Number : VEL/AP/10

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

Report No. : VEL/AP/2406181010

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003825F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/09
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	53.21	39.00	dB (A)

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

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

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

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

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

End of Report

Reviewed By: 
24/06/2024

Authorized Signatory: 
24/06/2024

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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/2406181009

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003824F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/06/2024 To 11/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	52.45	41.32	dB (A)

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

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

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

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

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

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Test Report

Page No. 1/1

Sample Number : VEL/AP/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/2406181014

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003829F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location

: Banera village

Sample Collected By

: VEL Representative (Mr. Deepak)

Sampling Equipment used

: Sound Level Meter

Instrument Code

: VEL/SLM/06

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 11/06/2024 To 12/06/2024

Time of Monitoring

: 06:00 AM to 06:00 AM

Ambient Temperature (°C)

: Min.25°C, Max.31°C

Surrounding Activity

: Human, Vehicular & Others Activities

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: CPCB Guidelines & IS:9989

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	I S-9989	52.60	42.30	dB (A)

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

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

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

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

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

End of Report

Reviewed By

[Signature]
24/06/2024
GURGAON

Authorized Signatory

[Signature]
VARDAN ENVIROLAB
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/2406181015

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003830F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mahua Khurd Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/07
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	50.57	40.67	dB (A)

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

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

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

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

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

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/AP/13

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

Report No. : VEL/AP/2406181013

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003828F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Chimanpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	51.25	41.79	dB (A)

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

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

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

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

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

End of Report



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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)

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2406181016
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 24/06/2024
Period of Analysis : 21/06/2024-21/06/2024
Receipt Date : 18/06/2024
ULR No. : TC629924200003831F

General Information

Sampling Location : Mandal Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/09
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 11/06/2024 To 12/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	53.81	42.72	dB (A)

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

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

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

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

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

End of Report

Reviewed By

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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/2406181017

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003832F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location

: Loading Point Lampiya Mine

Sample Collected By

: VEL Representative (Mr. Deepak)

Sampling Equipment used

: Sound Level Meter

Instrument Code

: VEL/SLM/07

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 12/06/2024 To 13/06/2024

Time of Monitoring

: 06:00 AM to 06:00 AM

Ambient Temperature (°C)

: Min.25°C, Max.31°C

Surrounding Activity

: Human, Vehicular & Others Activities

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: CPCB Guidelines & IS:9989

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	I S-9989	50.82	41.81	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 shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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

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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/2406181018

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 24/06/2024

Period of Analysis : 21/06/2024-21/06/2024

Receipt Date : 18/06/2024

ULR No. : TC629924200003833F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Haul Road Lampiya Mine
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/06/2024 To 13/06/2024
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.31°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
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	I S-9989	53.11	41.22	dB (A)

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

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

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

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

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

End of Report



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