



Test Report

Page No. 1/2

Sample Number : VEL/AP/06

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

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403081012
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 15/03/2024
Period of Analysis : 08/03/2024-14/03/2024
Receipt Date : 08/03/2024
ULR No. : TC629924200001796F

General Information

Sampling Location : Banera 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 : 05/03/2024 To 06/03/2024
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)	54.75	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	87.53	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	190.72	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	26.07	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	21.67	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	25.64	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	21.57	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

Reviewed By

Deepak
15/3/2024

Authorized Signatory

Shiv
15/3/2024

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Test Report

Page No. 2/2

Sample Number : VEL/AP/06

Report No. : VEL/AP/2403081012

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.90	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Kulman
15/8/2024

Authorized Signatory

Dr. Shiv
15/8/2024

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Test Report

Page No. 1/2

Sample Number : VEL/AP/07

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

Report No. : VEL/AP/2403081013

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001797F

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/16 & FPS/23
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/03/2024 To 06/03/2024
Time of Monitoring : 01:20 PM to 01:20 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)	52.47	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	94.35	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	213.18	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	33.21	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	21.90	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	22.31	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	17.36	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

Reviewed By

Deepak
15/3/2024

Authorized Signatory

Prakash Singh
15/3/2024
Authorized Signatory

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Test Report

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Sample Number : VEL/AP/07

Report No. : VEL/AP/2403081013

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.95	mg/m3	4

#-indicates, 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Kushan
15/8/2024

Authorized Signatory

Dr. Shiv
15/8/2024

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Test Report

Page No. 1/2

Sample Number : VEL/AP/05

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

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403081011
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 15/03/2024
Period of Analysis : 08/03/2024-14/03/2024
Receipt Date : 08/03/2024
ULR No. : TC629924200001795F

General Information

Sampling Location : Chimanpura 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 : 05/03/2024 To 06/03/2024
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 (PM2.5)	IS 5182 (P-24)	52.07	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	95.61	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	234.95	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	26.70	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	20.32	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	26.86	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	23.14	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

Reviewed By

Kumar
15/3/2024

Authorized Signatory
Prakash Singh
15/3/2024

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Vardan Envirolab

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



Test Report

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Sample Number : VEL/AP/05

Report No. : VEL/AP/2403081011

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-0.5)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.93	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Chauhan
15/3/2024

Authorized Signatory

VARDAN ENVIROLAB
Dr. Shiv
Prakash
Singh
15/03/2024
Authorized Signatory

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Vardan Envirolab

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



Test Report

Page No. 1/2

Sample Number : VEL/AP/08

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

Report No. : VEL/AP/2403081014

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001798F

Name of Sample

: Ambient Air

Sample Group

: Atmospheric Pollution

General Information

Sampling Location

: Mandal 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

: 05/03/2024 To 06/03/2024

Time of Monitoring

: 11:30 AM to 11:30 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

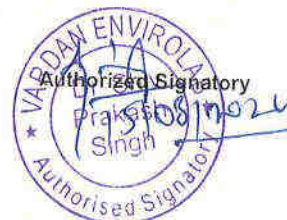
S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
Discipline : Chemical					
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	52.47	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	95.08	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	266.58	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	28.81	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	20.21	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	26.80	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	21.57	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

Reviewed By

Signature
15/3/2024

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Test Report

Page No. 2/2

Sample Number : VEL/AP/08

Report No. : VEL/AP/2403081014

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.87	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Kumar
15/3/2024

Authorized Signatory



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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)

Name of Sample : Ambient Air

Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403081010

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001794F

General Information

Sampling Location : Lampiya 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 : 04/03/2024 To 05/03/2024
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)	55.01	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	89.43	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	281.90	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	29.39	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	22.51	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	23.43	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	18.94	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

Reviewed By

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Test Report

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Sample Number : VEL/AP/04

Report No. : VEL/AP/2403081010

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.89	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Kushman
15/3/2024

Authorized Signatory

Shiv Prakash
Authorized Signatory

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Test Report

Page No. 1/2

Sample Number : VEL/AP/03

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

Report No. : VEL/AP/2403081009

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001793F

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

: 04/03/2024 To 05/03/2024

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)	53.94	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	91.75	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	249.52	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	26.69	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	19.40	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	25.45	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	21.57	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

Reviewed By

Signature
25/3/2024

Authorized Signatory

Signature

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Test Report

Page No. 2/2

Sample Number : VEL/AP/03

Report No. : VEL/AP/2403081009

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.93	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

[Signature]
15/3/2024



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Test Report

Page No. 1/2

Sample Number : VEL/AP/02

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

Name of Sample : Ambient Air
Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403081008
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 15/03/2024
Period of Analysis : 08/03/2024-14/03/2024
Receipt Date : 08/03/2024
ULR No. : TC629924200001792F

General Information
Sampling Location : Devpura 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 : 04/03/2024 To 05/03/2024
Time of Monitoring : 02:40 PM to 02:40 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)	58.69	µg/m ³	60
2	Particulate Matter as (PM ₁₀)	IS 5182 (P-23)	94.39	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	219.08	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	28.97	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	16.61	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	22.79	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	20.51	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

Reviewed By

Kumar
15/3/2024

Authorized Signatory

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Test Report

Page No. 2/2

Sample Number : VEL/AP/02

Report No. : VEL/AP/2403081008

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.95	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Kumar
15/3/2024

Authorized Signatory

Rajesh Singh
Authorized Signatory

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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)

Name of Sample : Ambient Air

Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403081007

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001791F

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 : 04/03/2024 To 05/03/2024
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)	56.07	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	93.28	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	255.93	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	30.24	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	18.26	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	26.69	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	19.46	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

Reviewed By

Kumar
15/3/2024

Authorized Signatory
hmed
15/3/2024

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Test Report

Page No. 2/2

Sample Number : VEL/AP/01

Report No. : VEL/AP/2403081007

S.No.	Test Parameters	Test Method	Results	Units	Limits as per NAAQS
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.92	mg/m3	4

#indicates 1 hour monitoring of CO & Ozone

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

End of Report

Reviewed By

Kumar
15/3/2024

Authorized Signatory
[Signature]

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



Test Report

Page No. 1/1

Sample Number : VEL/AP/02

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

Report No. : VEL/AP/2403281002

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 02/04/2024

Period of Analysis : 28/03/2024-02/04/2024

Receipt Date : 28/03/2024

ULR No. : TC629924200002421F

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

: 26/03/2024 To 27/03/2024

Time of Monitoring

: 11:45 AM to 11:45 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)	53.48	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	88.67	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	221.76	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	25.15	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	12.99	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.81	mg/m3	4

#-Indicates 1 hour monitoring of CO.

End of Report

Reviewed By

[Signature]
21/4/2024

VARDAN ENVIROLAB
Dr Shiv
Prakash
Singh
Authorized Signatory
[Signature]
20/04/2024

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Vardan Envirolab

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



TC-6299

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/2403281001

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 02/04/2024

Period of Analysis : 28/03/2024-02/04/2024

Receipt Date : 28/03/2024

ULR No. : TC629924200002420F

General Information

Sampling Location

: Kamalpur 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

: 26/03/2024 To 27/03/2024

Time of Monitoring

: 11:25 AM to 11:25 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)	55.50	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	83.83	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	221.60	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	26.40	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	12.95	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.77	mg/m3	4

#-Indicates 1 hour monitoring of CO.

End of Report

Reviewed By

Kumar
21/4/2024

Authorized Signatory
Prakash
28/03/2024
Authorized Signatory

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Test Report

Page No. 1/1

Sample Number : VEL/AP/04

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

Name of Sample : Ambient Air

Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403281004

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 02/04/2024

Period of Analysis : 28/03/2024-02/04/2024

Receipt Date : 28/03/2024

ULR No. : TC629924200002423F

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 : 26/03/2024 To 27/03/2024
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)	51.81	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	89.47	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	241.31	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	24.77	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	13.19	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.74	mg/m3	4

#Indicates 1 hour monitoring of CO.

End of Report

Reviewed By

[Signature]
21/4/2024

[Signature]
21/4/2024

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Test Report

Page No. 1/1

Sample Number : VEL/AP/03

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

Name of Sample : Ambient Air

Sample Group : Atmospheric Pollution

Report No. : VEL/AP/2403281003

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 02/04/2024

Period of Analysis : 28/03/2024-02/04/2024

Receipt Date : 28/03/2024

ULR No. : TC629924200002422F

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 : 26/03/2024 To 27/03/2024
Time of Monitoring : 12:15 AM to 12:25 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)	52.47	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	91.10	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	231.48	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	23.01	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	14.91	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.88	mg/m3	4

#Indicates 1 hour monitoring of CO.

End of Report

Reviewed By

[Signature]
21/4/2024

[Signature]
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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)

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,,

Report No. : VEL/W/2403081002
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 16/03/2024
Period of Analysis : 08/03/2024-14/03/2024
Receipt Date : 08/03/2024
Sampling Date : 04/03/2024
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629924200001824F

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)	7.26	-	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)	BLQ(LOQ-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)	342.26	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	79.14	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	406.60	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	187.60	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	35.09	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/01

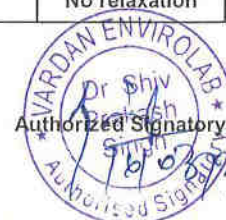
Report No. : VEL/W/2403081002

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)	862.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	137.57	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)	16.78	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	BLQ(LOQ-0.0 1)	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 1)	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	BLQ(LOQ-0.0 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-0.0 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/01

Report No. : VEL/W/2403081002

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/2403081002

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 Edition2017, 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/2403081002/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

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)	197.46	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.

End of Report

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16/03/2024

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16/03/2024

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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/2403081003

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

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. : TC629924200001825F

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)	7.17	-	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)	BLQ(LOQ-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)	392.72	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	95.84	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	355.77	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	92.23	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	37.20	mg/L	30	

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Test Report

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Sample Number : VEL/W/02

Report No. : VEL/W/2403081003

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)	816.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	109.72	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.30	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	11.83	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	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/02

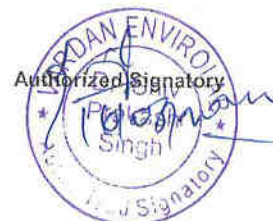
Report No. : VEL/W/2403081003

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/2403081003

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 Edition2017, 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/2403081003/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

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)	239.14	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/2403081004

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

Sampling Quantity : 10 Ltrs+250 ml

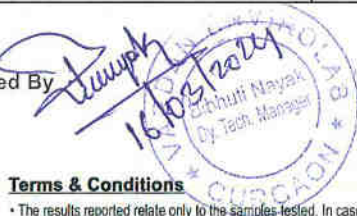
Sampling Type : Grab

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. : TC629924200001826F

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)	7.10	-	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)	BLQ(LOQ-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)	372.98	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	75.62	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	508.25	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	91.19	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	44.69	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/03

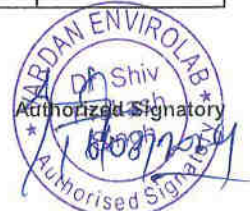
Report No. : VEL/W/2403081004

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)	894.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	48.27	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.36	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	13.17	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	BLQ(LOQ-0.0 1)	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 1)	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	BLQ(LOQ-0.0 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-0.0 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/03

Report No. : VEL/W/2403081004

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-0.0 05)	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-0.0 005)	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-0.0 1)	µg/L		

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Test Report

Page No. 4/4

Sample Number : VEL/W/03

Report No. : VEL/W/2403081004

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/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/2403081004/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

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)	188.68	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/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/2403081005

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

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. : TC629924200001827F

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)	7.00	-	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)	BLQ(LOQ-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)	293.99	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	55.39	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	325.28	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	307.45	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	37.79	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/04

Report No. : VEL/W/2403081005

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)	700.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	54.04	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.30	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	13.19	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	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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16/03/2024

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16/03/2024

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Test Report

Page No. 3/4

Sample Number : VEL/W/04

Report No. : VEL/W/2403081005

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/2403081005

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

Report No. : VEL/W/2403081005/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 04/03/2024

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)	138.22	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/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/2403081006

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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. : TC629924200001828F

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)	7.89	-	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)	BLQ(LOQ-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)	250.11	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	61.55	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	269.37	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	127.15	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	23.38	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/05

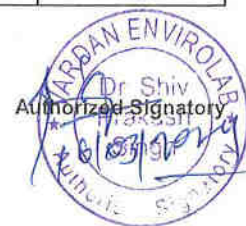
Report No. : VEL/W/2403081006

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)	436.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	26.59	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.34	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	13.86	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	BLQ(LOQ-0.0 1)	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 1)	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	BLQ(LOQ-0.0 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-0.0 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

Reviewed By

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Test Report

Page No. 3/4

Sample Number : VEL/W/05

Report No. : VEL/W/2403081006

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		

Reviewed By  16/03/2024

Authorized Signatory  16/03/2024

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Test Report

Page No. 4/4

Sample Number : VEL/W/05

Report No. : VEL/W/2403081006

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 Edition2017, 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/2403081006/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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,,,

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)	153.58	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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16/03/2024

Authorized Signatory

16/03/2024

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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/2403081007

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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...

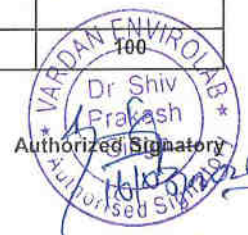
ULR No. : TC629924200001829F

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)	7.63	-	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)	BLQ(LOQ-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)	566.05	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	119.59	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	381.18	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	90.67	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	64.89	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/06

Report No. : VEL/W/2403081007

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)	838.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	84.56	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.35	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	13.05	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	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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[Signature]
16/03/2024

Authorized Signatory

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Test Report

Page No. 3/4

Sample Number : VEL/W/06

Report No. : VEL/W/2403081007

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/2403081007

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 (Lampiya Mine)
Araji No-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2403081007/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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,,

Protocol						
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)	298.38	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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16/03/2024

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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-9697/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/W/2403081008

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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. : TC629924200001830F

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)	7.22	-	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)	BLQ(LOQ-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)	302.77	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	81.78	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	315.11	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	82.33	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	23.89	mg/L	30	100

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Test Report

Page No. 2/4

Sample Number : VEL/W/07

Report No. : VEL/W/2403081008

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)	710.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	70.64	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)	12.06	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-0.05)	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	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

Reviewed By

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Test Report

Page No. 3/4

Sample Number : VEL/W/07

Report No. : VEL/W/2403081008

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		

Reviewed By: 
16/03/2024

Authorized Signatory: 
16/03/2024

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Test Report

Page No. 4/4

Sample Number : VEL/W/07

Report No. : VEL/W/2403081008

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/2403081008/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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)	204.04	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

Reviewed By

16/03/2024

Authorized Signatory

16/03/2024

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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/2403081009

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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. : TC629924200001831F

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)	7.30	-	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)	BLQ(LOQ-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)	351.04	mg/L	200	600
7	Calcium (as Ca),Max	IS: 3025 :P-40: 1991(EDTA Titrimetric Method)	96.72	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025:Part 23: 1986(Indicator Method)	254.12	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 :Part 32:1988(Argentometric Method)	45.85	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	26.54	mg/L	30	

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Test Report

Page No. 2/4

Sample Number : VEL/W/08

Report No. : VEL/W/2403081009

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)	656.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS:3025 (Part 24/Sec-1):2022,Turbidity Method	75.74	mg/L	200	400
15	Fluoride (as F),Max	APHA 23rd Edition 2017: 4500 F. D(SPADNS Method)	0.30	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B (Screening Method)	8.30	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	BLQ(LOQ-0.0 1)	mg/L	0.5	2.4
22	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0 1)	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	BLQ(LOQ-0.0 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-0.0 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/08

Report No. : VEL/W/2403081009

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/2403081009

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 Edition2017, 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/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/2403081009/N

Format No : 7.8 F 03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 05/03/2024

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)	241.34	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

Sample Number: VEL/WL/01 Report No.: VEL/WL/2403080001
Name & Address of the Party: M/s Jindal Saw Limited (Lampiya Mine) Format No.: 7.8 F-01
Araji No.9697/6711, Near Tiranga Hills, Dist. Bhilwara-311802 (Rajasthan) Party Reference No.: By Mail
Reporting Date: 15/03/2024
Sample Description: Ground Water Level Monitoring Receipt Date: 08/03/2024
Sample Collected by: Vardan EnviroLab Representative Sampling Date: 06/03/2024

RESULTS

S. No.	Location	Latitude & Longitude	Depth (In meter)
1.	Lampiya Village	--	15.00
2.	Devpura Village	--	10.20
3.	Jaliya Village	--	12.50
4.	Kamalpura Village	--	8.20
5.	Mahua Khurd Village	--	11.20
6.	Baneda Village	--	16.30
7.	Chimanpura Village	--	9.10
8.	Mandal Village	--	10.90

End of Report

Page 1 of 1



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Test Report

Page No. 1/3

Sample Number : VEL/W/09

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

Report No. : VEL/W/2403081010

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 06/03/2024

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

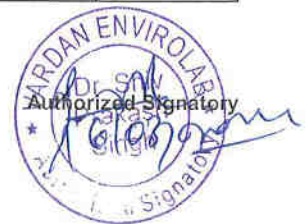
ULR No. : TC629924200001832F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.74	--
2	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	BLQ(LOQ-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)	136.02	mg/L
6	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	29.18	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)	256.00	mg/L
10	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	29.01	mg/L
11	Fluoride (as F)	APHA 23rd Edition 2017, 4500 F B & D	0.30	mg/L
12	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	8.51	mg/L
13	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
14	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.001)	mg/L

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Test Report

Page No. 2/3

Sample Number : VEL/W/09

Report No. : VEL/W/2403081010

S.No.	Test Parameters	Test Method	Results	Units
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	BLQ(LOQ-0.01)	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)	31.65	mg/L
24	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	116.89	mg/L
25	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	13.82	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	BLQ(LOQ-0.01)	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 01/11/2021	BLQ(LOQ-0.0005)	mg/L

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Test Report

Page No. 3/3

Sample Number : VEL/W/09

Report No. : VEL/W/2403081010

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

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

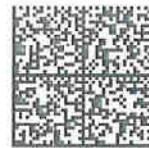
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Test Report

Page No. 1/1

Sample Number : VEL/W/09

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

Report No. : VEL/W/2403081010/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 06/03/2024

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	78.98	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.

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Test Report

Page No. 1/3

Sample Number : VEL/W/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/W/2403081011

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 06/03/2024

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. : TC629924200001833F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.40	--
2	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	BLQ(LOQ-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)	548.50	mg/L
6	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	66.18	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)	814.00	mg/L
10	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	341.80	mg/L
11	Fluoride (as F)	APHA 23rd Edition 2017, 4500 F B & D	0.46	mg/L
12	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	7.77	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 01/11/2021	BLQ(LOQ-0.001)	mg/L

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16/03/2024

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16/03/2024

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Test Report

Page No. 2/3

Sample Number : VEL/W/10

Report No. : VEL/W/2403081011

S.No.	Test Parameters	Test Method	Results	Units
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	BLQ(LOQ-0.01)	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)	130.14	mg/L
24	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	111.81	mg/L
25	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	54.22	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	BLQ(LOQ-0.01)	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 01/11/2021	BLQ(LOQ-0.0005)	mg/L

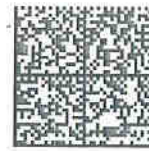
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Test Report

Page No. 3/3

Sample Number : VEL/W/10

Report No. : VEL/W/2403081011

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
33	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	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/W/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/W/2403081011/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 06/03/2024

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	324.71	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.

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Test Report

Page No. 1/3

Sample Number : VEL/W/11

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

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

Report No. : VEL/W/2403081012
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 16/03/2024
Period of Analysis : 08/03/2024-14/03/2024
Receipt Date : 08/03/2024
Sampling Date : 06/03/2024
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab
ULR No. : TC629924200001834F

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Chemical				
1	pH (at 25°C)	IS:3025 :P-11:983(Electrode Method)	7.42	--
2	Turbidity	IS:3025:P-10:1984(Nephelometric Method)	BLQ(LOQ-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)	120.67	mg/L
6	Chloride as Cl	IS:3025 :P-32:1988(Argentometric Method)	113.60	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)	314.00	mg/L
10	Sulphate (as SO ₄)	IS 3025 (Part 24/Sec-1): 2022(Turbidity method)	24.32	mg/L
11	Fluoride (as F)	APHA 23rd Edition 2017, 4500 F B & D	0.20	mg/L
12	Nitrate as N	IS: 3025 :P - 34:1988 (Chromotropic Method)	1.85	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 01/11/2021	BLQ(LOQ-0.001)	mg/L

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Test Report

Page No. 2/3

Sample Number : VEL/W/11

Report No. : VEL/W/2403081012

S.No.	Test Parameters	Test Method	Results	Units
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	BLQ(LOQ-0.01)	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)	22.86	mg/L
24	Total Alkalinity as CaCO ₃	IS:3025:P-23:1986(Indicator Method)	111.81	mg/L
25	Magnesium as Mg	APHA23rd Edition 2017, 3500 Mg B(ByCalculation Method)	15.43	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	BLQ(LOQ-0.01)	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 01/11/2021	BLQ(LOQ-0.0005)	mg/L

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Test Report

Page No. 3/3

Sample Number : VEL/W/11

Report No. : VEL/W/2403081012

S.No.	Test Parameters	Test Method	Results	Units
Discipline : Biological				
33	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	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/W/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/W/2403081012/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 16/03/2024

Period of Analysis : 08/03/2024-14/03/2024

Receipt Date : 08/03/2024

Sampling Date : 06/03/2024

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	57.04	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.

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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/2403081015

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001799F

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 : 04/03/2024 To 05/03/2024
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	53.70	43.09	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)
15/3/2024

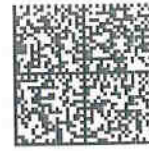
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(Signature)
15/03/2024
Authorized Signatory

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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/2403081017

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001801F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Kamal Pura 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 : 04/03/2024 To 05/03/2024
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	52.91	41.90	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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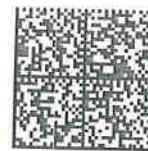
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15/03/2024
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Test Report

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/2403081016

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001800F

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

: 04/03/2024 To 05/03/2024

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

: 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	53.38	43.29	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.

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15/3/2024

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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/2403081018

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001802F

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 : 04/03/2024 To 05/03/2024
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	53.88	40.80	dB (A)

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

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

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

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

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

End of Report

Reviewed By

Signature
15/3/2024

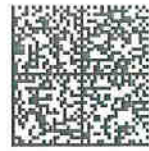
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Test Report

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/2403081019

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001803F

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/09
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/03/2024 To 06/03/2024
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	52.59	43.43	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

Deepak
15/3/2024



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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/2403081020

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001804F

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/07

Instrument Calibration Status

: Calibrated

Meteorological condition during monitoring

: Clear Sky

Date of Monitoring

: 05/03/2024 To 06/03/2024

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	52.80	41.66	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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15/3/2024

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15/03/2024
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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/2403081021

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001805F

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/08
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/03/2024 To 06/03/2024
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	54.26	44.64	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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Kumar
15/3/2024

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Dr Shiv Prakash Singh
15/3/2024

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Test Report

Page No. 1/1

Sample Number : VEL/AP/16

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

Report No. : VEL/AP/2403081022

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001806F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Mandal 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 : 05/03/2024 To 06/03/2024
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	52.87	42.98	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/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/2403081023

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001807F

Name of Sample : AMBIENT NOISE
Sample Group : Atmospheric Pollution

General Information

Sampling Location : Lapiya Mines Loading Point 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 : 06/03/2024 To 07/03/2024
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	50.55	41.52	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
15/3/2024

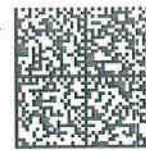
Authorized Signatory

Signature
15/3/2024
Authorized Signatory

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- Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.





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/2403081024

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 15/03/2024

Period of Analysis : 14/03/2024-14/03/2024

Receipt Date : 08/03/2024

ULR No. : TC629924200001808F

Name of Sample : AMBIENT NOISE

Sample Group : Atmospheric Pollution

General Information

Sampling Location : Haul Road Lampiya Mines
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 : 06/03/2024 To 07/03/2024
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 : 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	51.77	40.21	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]
15/3/2024

Authorized Signatory

[Signature]
15/3/2024

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