



Test Report

Sample Number : VEL/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/A/2306211010
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002705F

Sample Description : Ambient Air

General Information

Sampling Location : Banera Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/23 & FPS/16
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2023 To 17/06/2023
Time of Monitoring : 11:30 AM to 11:30 AM
Ambient Temperature (°C) : Min.27°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines.
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	33.33	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	66.36	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	210.49	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	22.15	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	10.03	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	18.55	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

(Checked By) 
03/07/2023


(Approved By) 
Gaurav Pratap Singh


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Test Report

Sample Number : VEL/10

Report No. : VEL/A/2306211010

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.74	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

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(Approved By)

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Test Report

Page No. 1/2

Sample Number : VEL/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/A/2306211011
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002706F

Sample Description : Ambient Air

General Information

Sampling Location : Mahua Khurd
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/21 & FPS/28
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2023 To 17/06/2023
Time of Monitoring : 12:15 PM to 12:15 PM
Ambient Temperature (°C) : Min.27°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	36.32	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	66.84	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	222.10	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	22.38	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	8.30	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-30.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	19.54	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

Sample Number : VEL/11

Report No. : VEL/A/2306211011

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.66	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

Rishabh
03/07/23
(Checked By)

(Approved By)
Chauhan
Pratap Singh
Authorized Signatory

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Test Report

Sample Number : VEL/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/A/2306211009
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002704F

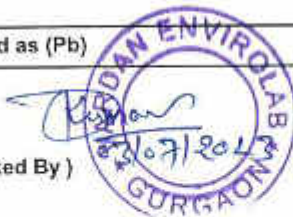
Sample Description : Ambient Air

General Information

Sampling Location : Chimanpura Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/19 & FPS/21
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2023 To 17/06/2023
Time of Monitoring : 11:00 AM to 11:00 AM
Ambient Temperature (°C) : Min.27°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activites
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	36.01	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	68.75	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	246.39	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	20.76	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	11.83	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	21.02	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

Sample Number : VEL/09

Report No. : VEL/A/2306211009

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.71	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

(Checked By) 
03/05/2023



(Approved By) 
Gaurav Pratap Singh



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Test Report

Sample Number : VEL/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/A/2306211012
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002707F

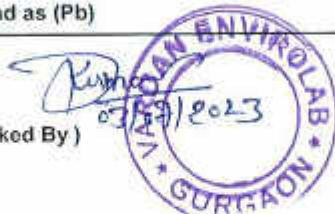
Sample Description : Ambient Air

General Information

Sampling Location : Mandul
Sample Collected By : VEL Representative (Mr. Pawan)
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 : 16/06/2023 To 17/06/2023
Time of Monitoring : 02:00 PM to 02:00 PM
Ambient Temperature (°C) : Min.27°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	35.21	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	67.10	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	211.69	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	23.26	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	12.09	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	19.29	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

Sample Number : VEL/12


Report No. : VEL/A/2306211012

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (NI)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.76	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

(Checked By) 


(Approved By) 

 Gaurav Pratap Singh

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Test Report

Page No. 1/2

Sample Number : VEL/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/A/2306211008
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002703F

Sample Description : Ambient Air

General Information

Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/28 & FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2023 To 16/06/2023
Time of Monitoring : 01:00 PM to 01:00 PM
Ambient Temperature (°C) : Min.26°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	31.77	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	69.64	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	221.92	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	21.52	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	12.34	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	21.02	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

Page No. 2/2

Sample Number : VEL/08

Report No. : VEL/A/2306211008

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.65	mg/m3	4

#Indicates 1 hour monitoring of CO & Ozone

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

End of Report



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Test Report

Page No. 1/2

Sample Number : VEL/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/A/2306211007
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002702F

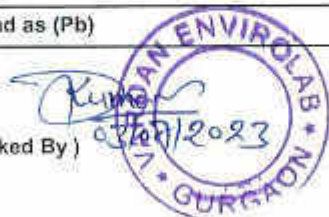
Sample Description : Ambient Air

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/25 & FPS/20
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2023 To 16/06/2023
Time of Monitoring : 12:00 PM to 12:00 PM
Ambient Temperature (°C) : Min 26°C, Max 38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS- 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	35.31	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	74.81	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	201.00	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	22.29	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	10.56	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	20.53	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

(Checked By)



(Approved By)



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Test Report

Sample Number : VEL/07

Report No. : VEL/A/2306211007

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.58	mg/m3	4

#-indicates 1 hour monitoring of CO & Ozone

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

End of Report

(Checked By) 

 GURUGRAM

(Approved By) 

 Gaurav Pralap Singh

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Test Report

Page No. 1/2

Sample Number : VEL/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/A/2306211006
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002701F

Sample Description : Ambient Air

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Pawan)
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 : 15/06/2023 To 16/06/2023
Time of Monitoring : 11:00 AM to 11:00 AM
Ambient Temperature (°C) : Min 26°C, Max 38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	34.78	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	68.20	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	224.35	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	20.70	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	11.72	µg/m ³	80
6	Ammonia as (NH ₃)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m ³	400
7	#Ozone as (O ₃)	IS 5182 (P-9)	21.52	µg/m ³	180
8	Benzene as (C ₆ H ₆)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m ³	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m ³	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m ³	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m ³	1

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Test Report

Page No. 2/2

Sample Number : VEL/06

Report No. : VEL/A/2306211006

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
12	Nickel as (Ni)	IS 5182 (P-26)	BLQ(LOQ-5.0)	ng/m3	20
13	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.59	mg/m3	4

#Indicates 1 hour monitoring of CO & Ozone.

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

End of Report

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Test Report

Page No. 1/2

Sample Number : VEL/05
Name & Address of the Party : M/s Jindal Saw Limited (Lampiya Mine)
Araji No-8697/8711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/A/2308211005
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002700F

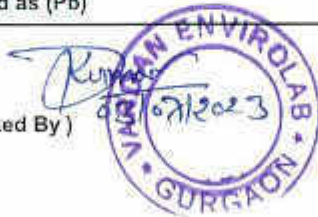
Sample Description : Ambient Air

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/19 & FPS/21
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2023 To 16/06/2023
Time of Monitoring : 10:30 AM to 10:30 AM
Ambient Temperature (°C) : Min.26°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : Particulate Matter as (PM2.5), Particulate Matter as (PM10), Total Suspended

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	33.61	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	71.14	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	219.58	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	18.26	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	10.11	µg/m3	80
6	Ammonia as (NH3)	VEL/ENV/STP/155, Issue No.-1, dated on 20/06/22	BLQ(LOQ-20.0)	µg/m3	400
7	#Ozone as (O3)	IS 5182 (P-9)	18.79	µg/m3	180
8	Benzene as (C6H6)	IS 5182 (P-11)	BLQ(LOQ-0.5)	µg/m3	5
9	Benzo(a)pyrene as (BaP)	IS 5182 (P-12)	BLQ(LOQ-0.5)	ng/m3	1
10	Arsenic as (As)	VEL/ENV/STP/110, Issue No.- 01, Issue date 01/11/2021	BLQ(LOQ-0.1)	ng/m3	6
11	Lead as (Pb)	IS 5182 (P-22)	BLQ(LOQ-0.1)	µg/m3	1

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Test Report

Sample Number : VEL/05

Report No. : VEL/A/2306211005

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

#Indicates 1 hour monitoring of CO & Ozone

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

End of Report

(Checked By)

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Test Report

Page No. 1/1

Sample Number : VEL/A/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/A/2307041018

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 10/07/2023

Period of Analysis : 04/07/2023-08/07/2023

Receipt Date : 04/07/2023

ULR No. : TC629923200002972F

Sample Description : Ambient Air

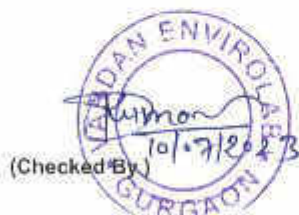
General Information

Sampling Location : Lampiya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/23 & FPS/18
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/06/2023 To 29/06/2023
Time of Monitoring : 05:45 PM to 05:45 PM
Ambient Temperature (°C) : Min.28°C, Max.36°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 CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	28.57	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	48.15	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	128.22	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	17.60	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	8.28	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.59	mg/m3	4

#-indicates 1 hour monitoring of CO.

End of Report



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Test Report

Page No. 1/1

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

Report No. : VEL/A/2307041019
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 10/07/2023
Period of Analysis : 04/07/2023-08/07/2023
Receipt Date : 04/07/2023
ULR No. : TC629923200002973F

Sample Description : Ambient Air

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/19 & FPS/21
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/06/2023 To 30/06/2023
Time of Monitoring : 05:00 PM to 05:00 PM
Ambient Temperature (°C) : Min.28°C, Max.36°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 CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	27.67	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	52.85	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	143.77	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	18.92	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	7.35	µg/m ³	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.55	mg/m ³	4

#-indicates 1 hour monitoring of CO.

End of Report

(Checked By)

Kishan
10/7/2023
VARDAN ENVIROLAB
GURGAON

(Approved By)

Gayatri Prabh Singh
VARDAN ENVIROLAB
Authorised Signatory

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Test Report

Page No. 1/1

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

Report No. : VEL/A/2307041020
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 10/07/2023
Period of Analysis : 04/07/2023-08/07/2023
Receipt Date : 04/07/2023
ULR No. : TC629923200002974F

Sample Description : Ambient Air

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/23 & FPS/16
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/06/2023 To 30/06/2023
Time of Monitoring : 04:30 PM to 04:30 PM
Ambient Temperature (°C) : Min.28°C, Max.38°C
Surrounding Activity : Human, Vehicular & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS: 5182 & CPCB Guidelines
Sampling Duration : 24.0 Hours
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	24.25	µg/m ³	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	49.22	µg/m ³	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	122.66	µg/m ³	Not Specified
4	Nitrogen Dioxide as (NO ₂)	IS 5182 (P-6)	16.21	µg/m ³	80
5	Sulphur Dioxide as (SO ₂)	IS 5182 (P-2)	6.88	µg/m ³	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.62	mg/m ³	4

#-indicates 1 hour monitoring of CO.

End of Report



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Test Report

Sample Number : VEL/A/01
Name & Address of the Party : M/s Jindal Saw Limited (Lamplya Mine)
Araji No-9897/6711, Near Tiranga Hills, District-
Bhilwara-311802 (Raj)

Report No. : VEL/A/2307041017
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 10/07/2023
Period of Analysis : 04/07/2023-08/07/2023
Receipt Date : 04/07/2023
ULR No. : TC629923200002971F

Sample Description : Ambient Air

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Deepak)
Sampling Equipment used : RDS/FPS
Instrument Code : VEL/RDS/19 & FPS/21
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 28/06/2023 To 29/06/2023
Time of Monitoring : 04:20 PM to 04:20 PM
Ambient Temperature (°C) : Min.28°C, Max.36°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 CPCB
1	Particulate Matter as (PM2.5)	IS 5182 (P-24)	27.29	µg/m3	60
2	Particulate Matter as (PM10)	IS 5182 (P-23)	51.12	µg/m3	100
3	Total Suspended Particulate Matter	IS 5182 (P-4)	125.94	µg/m3	Not Specified
4	Nitrogen Dioxide as (NO2)	IS 5182 (P-6)	18.95	µg/m3	80
5	Sulphur Dioxide as (SO2)	IS 5182 (P-2)	7.82	µg/m3	80
6	#Carbon Monoxide (by NDIR)	IS 5182 (P-10)	0.57	mg/m3	4

#-indicates 1 hour monitoring of CO.

End of Report



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Test Report

Page No. 1/1

Sample Number : VEL/W/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/A/2306211013
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002708F

Sample Description : Fugitive Emission

General Information

Sampling Location : One Storage Loading Point
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS
Instrument Code : VEL/RDS/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 17/06/2023 To 18/06/2023
Time of Monitoring : 11:00 AM to 07:00 PM
Ambient Temperature (°C) : Min.25°C, Max.34°C
Surrounding Activity : Human & Others Activites
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : OSHA
Sampling Duration : 480.0 Min.
Parameter Required : Suspended Particulate Matter(SPM)

S.No.	Test Parameters	Protocol	Result	Units	Limit (Max)
1	Suspended Particulate Matter(SPM)	IS:5182(P-4)1999	355.51	µg/m ³	5000

End of Report

(Checked By) 
VEL
GURUGRAM

(Approved By)
Gaujev Pratar Singh
VEL
GURUGRAM

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Test Report

Page No. 1/1

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

Report No. : VEL/A/2306211014
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002709F

Sample Description : Fugitive Emission

General Information

Sampling Location : Haul Road
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : RDS
Instrument Code : VEL/RDS/11
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 17/06/2023 To 18/06/2023
Time of Monitoring : 01:00 PM to 09:00 PM
Ambient Temperature (°C) : Min 27°C, Max 32°C
Surrounding Activity : Human & Others Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : OSHA
Sampling Duration : 480.0 Min.
Parameter Required : Suspended Particulate Matter (SPM)

S.No.	Test Parameters	Protocol	Result	Units	Limit (Max)
1	Suspended Particulate Matter (SPM)	IS:5182(P-4)1999	352.95	µg/m ³	5000

End of Report

(Checked By) 
03/07/2023


(Approved By)
Gaurav Pratap Singh


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TC-6299

Test Report

Page No. 1/3

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/2306211021
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Lampiya Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002673F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.32	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	208.80	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	60.16	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	181.12	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	116.09	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	13.63	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	428.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	54.29	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.43	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	16.84	mg/L	45	No relaxation

(Checked By) *Pawan*
03/07/2023
Bibhuti Nayak
By Tech Manager
VARDAN ENVIROLAB
GURGAON

Approved By
Pratap Singh
VARDAN ENVIROLAB
Authorized Signatory

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Test Report

Sample Number : VEL W/04

Report No. : VEL/W/2306211021

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--

Mohit
03/07/2023
(Checked By)

(Approved By)
Pratap Singh

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

Page No. 3/3

Sample Number : VEL W/04

Report No. : VEL/W/2306211021

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

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

End of Report

(Handwritten Signature)
 (Checked By)
SATYA DEV
 Technical Manager, Gurgaon

(Handwritten Signature)
 (Approved By)

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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/2306211021/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Lampiya Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	154.40	mg/L	--	--
3	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

Pratap Singh
(Checked By) 03/07/2023



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Test Report

Page No. 1/3

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/2306211020
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Kamaipura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002672F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.39	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	220.90	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	56.40	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	191.47	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	111.45	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	19.34	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	432.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	45.45	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.42	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ , B Screening Method / IS: 3025 (P-34) Chromotropic method	17.52	mg/L	45	No relaxation

Checked By: Pawan
03/07/2023
Bibhuti Nayak
Jy. Tech. Manager
VARDAN ENVIROLAB
GURGAON

Approved By: Pralab Singh
VARDAN ENVIROLAB
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Test Report

Sample Number : VEL/W/03

Report No. : VEL/W/2306211020

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	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
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	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
23	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
24	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
25	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
26	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
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.01	No relaxation
28	Arsenic as As,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.01	No relaxation
29	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
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	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

Sample Number : VEL W/03

Report No. : VEL/W/2306211020

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

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

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SATISH DEV
Checked By: / Manager-Micro



(Approved By)

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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/2306211020/N
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Kamalpura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,,

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C ₆ H ₅ OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L	--	--
3	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

(Checked By)

(Approved By)

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ISO 9001 | ISO 14001 | ISO 45001



TC-6299

Test Report

Page No. 1/3

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/2306211019
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-26/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Devpura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002671F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.25	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	216.20	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	54.52	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	181.12	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	118.42	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	19.34	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	430.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS 3025 (Part-24)	44.19	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.39	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	APHA 23rd Edition:2017,4500 NO3, B Screening Method / IS: 3025 (P-34) Chromotropic method	16.03	mg/L	45	No relaxation

Checked By
03/07/2023



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Test Report

Sample Number : VEL/W/02

Report No. : VEL/W/2306211019

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.5	2.4
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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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

Sample Number : VEL W/02

Report No. : VEL/W/2306211019

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

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

End of Report


 (Checked By) **SATYA DEV**
 Technical Manager-Micro


 (Approved By)

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Test Report

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/2306211019/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Devpura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	136.30	mg/L	--	--
3	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

(Checked By) *03/07/2023*



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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. 1/3

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/2306211018
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Jaliya Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002670F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.24	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	211.50	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	54.40	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	186.30	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	120.74	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	17.37	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	420.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	47.80	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.44	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO3. B Screening Method / IS: 3025 (P-34) Chromotropic method	19.56	mg/L	45	No relaxation

Checked By

03/07/2023



Approved By

Prilap Singh

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Test Report

Sample Number : VEL/W/01

Report No. : VEL/W/2306211018

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	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
23	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
24	Manganese,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.02)	mg/L	0.1	0.3
25	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
26	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
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.01	No relaxation
28	Arsenic as As,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.01	No relaxation
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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

Sample Number : VEL W/01

Report No. : VEL/W/2306211018

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
32	Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/10.0ml	-	--
33	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/10.0ml	--	--

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

End of Report

Sd/-
SALPIYA DEV
 (Checked By) Technical Manager-Micro

Sd/-
(Approved By)

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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/2306211018/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Jaliya Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L		
3	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 Qauntification,LOQ-Limit of Quantification.

End of Report

Jaiyapak
03/07/2023
(Checked By)



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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. 1/3

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/2306211019
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-26/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Devpura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002671F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.25	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	216.20	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	54.52	mg/L	75	200
8	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	181.12	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	118.42	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	19.34	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	430.00	mg/L	500	2000
14	Sulphate (as SO4),Max	IS 3025 (Part-24)	44.19	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.39	mg/L	1.0	1.5
16	Nitrate (as NO3),Max	APHA 23rd Edition:2017,4500 NO3, B Screening Method / IS: 3025 (P-34) Chromotropic method	16.03	mg/L	45	No relaxation

Checked By
03/07/2023
Bibhuti Nayak
By Test Manager

Approved By
Prateep Singh

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Test Report

Sample Number : VEL/W/02

Report No. : VEL/W/2306211019

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.5	2.4
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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Vardan Envirolab

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

Sample Number : VEL W/02

Report No. : VEL/W/2306211019

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

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

End of Report


 (Checked By) **SATYA DEV**
 Technical Manager-Micro


 (Approved By)

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Test Report

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/2306211019/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Devpura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	136.30	mg/L	--	--
3	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

(Checked By) *03/07/2023*



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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
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TC-6299

Test Report

Page No. 1/3

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/2306211020
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Kamaipura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002672F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.39	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	220.90	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	56.40	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	191.47	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	111.45	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	19.34	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	432.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	45.45	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.42	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ , B Screening Method / IS: 3025 (P-34) Chromotropic method	17.52	mg/L	45	No relaxation

Checked By: *Pawan*
03/07/2023
Bibhuti Nayak
Jy. Tech. Manager
VARDAN ENVIROLAB
GURGAON

Approved By:
Pratap Singh
VARDAN ENVIROLAB
GURGAON

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Test Report

Sample Number : VEL/W/03

Report No. : VEL/W/2306211020

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	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
20	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
21	Zinc,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	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
23	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
24	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
25	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
26	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
27	Selenium as Se,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	0.01	No relaxation
28	Arsenic as As,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.05)	mg/L	0.01	No relaxation
29	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
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	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

Sample Number : VEL W/03

Report No. : VEL/W/2306211020

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

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

End of Report

SATYAM DEV
Checked By: / Manager-Micro



(Approved By)

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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/2306211020/N
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Kamalpura Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,,

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C ₆ H ₅ OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L	--	--
3	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

(Checked By)

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Vardan Envirolab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
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TC-6299

Test Report

Page No. 1/3

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/2306211021
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Lampiya Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002673F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.32	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	208.80	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	60.16	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	181.12	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	116.09	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	13.63	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	428.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	54.29	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.43	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	16.84	mg/L	45	No relaxation

Checked By: Pawan
03/07/2023
Bibhuti Nayak
By Tech Manager
VARDAN ENVIROLAB
GURGAON

Approved By: Pratik Singh
Authorized Signatory
VARDAN ENVIROLAB

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Test Report

Sample Number : VEL W/04

Report No. : VEL/W/2306211021

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--

Mohd
03/07/2023
(Checked By)

(Approved By)
Pratap Singh

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Test Report

Page No. 3/3

Sample Number : VEL W/04

Report No. : VEL/W/2306211021

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

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

End of Report

(Handwritten Signature)
 (Checked By)
SATYA DEV
 Technical Manager, Operations

(Handwritten Signature)
 (Approved By)

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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Hr)
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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/2306211021/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Lampiya Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	154.40	mg/L	--	--
3	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

Pratap Singh
(Checked By) 03/07/2023



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Test Report

Page No. 1/3

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/2306211022
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 28/06/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Chimanpur Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002674F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.37	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	201.16	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	56.40	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	178.02	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	114.24	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.15)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition: 3500 Mg B,	12.26	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	436.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	47.40	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.41	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B / IS: 3025 (P-34)	15.29	mg/L	45	No relaxation

(Handwritten Signature)
(Checked By) 28/06/2023



(Handwritten Signature)
Approved By
Pratap Singh
Authorised Signatory

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Test Report

Sample Number : VEL W/05

Report No. : VEL/W/2306211022

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number : VEL W/05

Report No. : VEL/W/2306211022

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

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

End of Report


(Checked By)
Technical Manager-Micro



(Approved By)

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Test Report

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

Report No. : VEL/W/2306211022/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 28/06/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Chimanpur Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP ..

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L	--	--
3	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 Qauntification,LOQ-Limit of Quantification.

End of Report


(Checked By) 


(Approved By) 

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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. 1/3

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/2306211023
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Banera Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

ULR No. : TC629923200002675F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.36	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	202.10	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	56.4	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	186.30	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	109.13	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	14.77	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	416.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	52.31	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.42	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	15.85	mg/L	45	No relaxation

(Checked By) *[Signature]*
03/07/23
Bishul Nayak
Dy. Tech. Manager
VARDAN ENVIROLAB
GURGAON

(Approved By) *[Signature]*
Pratap Singh
VARDAN ENVIROLAB
Authorized Signatory

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Test Report

Sample Number : VEL/W/06

Report No. : VEL/W/2306211023

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.005)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	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

Sample Number : VEL W/06

Report No. : VEL/W/2306211023

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

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

End of Report

8/6/23 07/2023
 (Checked By) **SATYA DEV**
 Dy. Technical Manager-Micro

(Approved By)

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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/2306211023/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Banera Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L	--	--
3	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

(Checked By)
03/07/2023
Bibhuti Nayak
Tech Manager
VARDAN ENVIRO LAB
GURGAON

Approved By
Gaurav Pratap Singh
VARDAN ENVIRO LAB
Authorized Signatory

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Test Report

Page No. 1/3

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/2306211024
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Litrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mahua Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

ULR No. : TC629923200002676F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.26	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	211.50	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	54.4	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	175.95	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	113.77	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition: 3500 Mg B.	18.20	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	430.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	55.82	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.42	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	17.49	mg/L	45	No relaxation

(Checked By)
02/07/2023
Bibhu Mohan
Dr. Tech Manager

Approved By
Gaurav Pratap Singh
VARDAN ENVIROLAB
Authorized Signatory

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Test Report

Page No. 2/3

Sample Number : VEL W/07

Report No. : VEL/W/2306211024

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.005)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.012	mg/L	0.5	2.4
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L		


 03/10/2023
 (Checked By)


 (Approved By)
 Pratab Singh

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

Sample Number : VEL W/07

Report No. : VEL/W/2306211024

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

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

End of Report

8102
83/07/23
VA DEV
(Checked By) *Manoj Kumar, Sr-Micro*

(Approved By)

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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/2306211024/N
Format No : 7.8.F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mahua Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	136.30	mg/L		
3	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

(Checked By)
03/07/2023

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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. 1/3

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/2306211025
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mandal Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,.,

ULR No. : TC629923200002677E

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.42	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	197.40	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	52.64	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	170.77	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	111.45	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	15.92	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	418.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	51.40	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.44	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	14.76	mg/L	45	No relaxation

Pratyak
(Checked By)
03/07/2023

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Test Report

Sample Number : VEL W/08

Report No. : VEL/W/2306211025

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.005)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--

03/07/2022

 (Checked By)

Approved By

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Test Report

Page No. 3/3

Sample Number: VEL W/08

Report No. : VEL/W/2306211025

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

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

End of Report

S. Dev
28/07/2024
SARITA DEV
(Checked By) *Technical Manager-Micro*

[Signature]
(Approved By)

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

Report No. : VEL/W/2306211025/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mandal Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS; APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	131.60	mg/L	--	--
3	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

(Handwritten Signature)
(Checked By) 03/07/2023
VARDAN ENVIROLAB
Bibhuli Narak
By Tech. Manager
GURGAON

VARDAN ENVIROLAB
Sample
Printed
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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. 1/3

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

Report No. : VEL/SW/2306211001
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs. +250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200002680F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.48	--
2	Turbidity	IS:3025 (P-10)	18.60	NTU
3	Colour	IS: 3025 (P-4)	5.00	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO3	IS:3025 (P-21)	216.20	mg/L
6	Chloride as Cl	IS:3025 (P-32)	67.33	mg/L
7	Cyanide as CN	IS:3025 (P-27)	BLQ(LOQ- 0.02)	mg/L
8	Total Dissolved Solids	IS:3025 (P-16)	428.00	mg/L
9	Sulphate (as SO4)	IS:3025 (P-24)	48.70	mg/L
10	Fluoride (as F)	APHA, 4500 F B & D	0.23	mg/L
11	Nitrate as N	IS:3025 (P - 34)	0.65	mg/L
12	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
13	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.001)	mg/L
14	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.05)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ- 0.0005)	mg/L

(Checked By)

03/07/2023



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Test Report

Sample Number : VEL SW/01

Report No.

: VEL/SW/2306211001

S.No.	Test Parameters	Test Method	Results	Units
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ- 0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	24.80	mg/L
23	Total Alkalinity as CaCO ₃	IS:3025 (P-23)	212.17	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	14.87	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.044	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.049	mg/L
27	Total Suspended Solids	IS: 3025 (P-17)	12.00	mg/L
28	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
29	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L

Mansi
03/07/2023
(Checked By)

Approved By)
Gaurav Pratap Singh
Authorised Signatory

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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. 3/3

Sample Number : VEL SW/01

Report No. : VEL/SW/2306211001

S.No.	Test Parameters	Test Method	Results	Units
30	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
31	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

End of Report


 (Checked By) **ANSHU DEV**
 Dy. Technical Manager-Micro


 (Approved By)

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Test Report

Page No. 1/1

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

Report No. : VEL/SW/2306211001/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Perform	
2	Calcium Hardness	By Calculation	62.0	mg/L
3	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ-0.15)	mg/L
4	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ- 0.1)	mg/L
5	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L

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

End of Report

(Handwritten Signature)
(Checked By) 03/07/2023
VARDAN ENVIROLAB
Bishnu Nayak
By Tech Manager
GURGRAM

VARDAN ENVIROLAB
Pratap Singh
Approved By
Authorised Signatory

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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. 1/3

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

Report No. : VEL/SW/2306211002
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Lampiya Pit
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200002681F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.36	--
2	Turbidity	IS:3025 (P-10)	17.60	NTU
3	Colour	IS: 3025 (P-4)	5.00	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO3	IS:3025 (P-21)	206.80	mg/L
6	Chloride as Cl	IS:3025 (P-32)	65.01	mg/L
7	Cyanide as CN	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L
8	Total Dissolved Solids	IS:3025 (P-16)	414.00	mg/L
9	Sulphate (as SO4)	IS:3025 (P-24)	44.19	mg/L
10	Fluoride (as F)	APHA, 4500 F B & D	0.25	mg/L
11	Nitrate as N	IS:3025 (P - 34)	0.62	mg/L
12	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
13	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.001)	mg/L
14	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ-0.0005)	mg/L

Checked By
03/07/2023



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Test Report

Page No. 2/3

Sample Number : VEL SW/02

Report No. : VEL/SW/2306211002

S.No.	Test Parameters	Test Method	Results	Units
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ-0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.021	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	23.2	mg/L
23	Total Alkalinity as CaCO ₃	IS:3025 (P-23)	201.82	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	15.01	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.04	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.051	mg/L
27	Total Suspended Solids	IS: 3025 (P-17)	10.00	mg/L
28	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
29	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L

03/07/2023
(Checked By)

Approved By
Gaurav Prataap Singh
Authorized Signatory

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Vardan Envirolab

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

Page No. 3/3

Sample Number : VEL SW/02

Report No. : VEL/SW/2306211002

S.No.	Test Parameters	Test Method	Results	Units
30	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
31	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

End of Report

8/07/2023
 (Checked By) **SATYA DEV**
 Dy. Technical Manager-Micro

(Approved By)

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Test Report

Page No: 1/1

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

Report No. : VEL/SW/2306211002/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Lampiya Pit
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Perform	
2	Calcium Hardness	By Calculation	58.00	mg/L
3	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ-0.15)	mg/L
4	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ-0.1)	mg/L
5	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L

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

End of Report

(Signature)
(Checked By)
03/07/2023
VARDAN ENVIRO LAB
Bhilwara Nayak
By Test Manager
GURGAON

(Signature)
Gaurav (Approved By)
Pratap Singh
VARDAN ENVIRO LAB
Authorised Signatory

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Test Report

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

Report No. : VEL/SW/2306211003
Format No : 7.8.F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Chamampura Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200002682F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.51	--
2	Turbidity	IS:3025 (P-10)	19.50	NTU
3	Colour	IS: 3025 (P-4)	5.00	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO ₃	IS:3025 (P-21)	211.50	mg/L
6	Chloride as Cl	IS:3025 (P-32)	71.98	mg/L
7	Cyanide as CN	IS:3025 (P-27)	BLQ(LOQ- 0.02)	mg/L
8	Total Dissolved Solids	IS:3025 (P-16)	418.00	mg/L
9	Sulphate (as SO ₄)	IS:3025 (P-24)	44.01	mg/L
10	Fluoride (as F)	APHA, 4500 F B & D	0.25	mg/L
11	Nitrate as N	IS:3025 (P - 34)	0.69	mg/L
12	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
13	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.001)	mg/L
14	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.005)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ- 0.0005)	mg/L

Deepak
(Checked By)
03/07/2023
Bhishu Nayak
Dr. Tech. Manager

(Approved By)
Gaurav Pratap Singh
Authorised Signatory

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Test Report

Sample Number : VEL SW/03

Report No.

: VEL/SW/2306211003

S.No.	Test Parameters	Test Method	Results	Units
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ- 0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	30.40	mg/L
23	Total Alkalinity as CaCO ₃	IS:3025 (P-23)	217.35	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	5.22	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.049	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.046	mg/L
27	Total Suspended Solids	IS: 3025 (P-17)	13.00	mg/L
28	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
29	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	µg/L

23/07/2023
(Checked By)

Approved By
Saurav
Pratap Singh
Authorized Signatory

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ISO 9001 | ISO 14001 | ISO 45001



Test Report

Page No. 3/3

Sample Number: VEL/SW/03

Report No.

VEL/SW/2306211003

S.No.	Test Parameters	Test Method	Results	Units
30	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
31	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

*BDL-Below Detection Limit, **DL-Detection Limit

End of Report

S.D.
03/07/2022

(Checked By)

SATYA DEV

Dy. Technical Manager-Micro



(Approved By)

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Test Report

Page No. 1/1

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

Report No. : VEL/SW/2306211003/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Chamampura Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Perform	
2	Calcium Hardness	By Calculation	76.00	mg/L
3	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ- 0.15)	mg/L
4	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ- 0.1)	mg/L
5	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ- 0.00005)	mg/L

*BDL-Below Detection Limit, **DL-Detection Limit

End of Report

(Handwritten Signature)
03/07/2023
(Checked By)



(Handwritten Signature)
Approved By
Gaurav Pratap Singh
Authorised Signatory

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Test Report

Page No. 1/3

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/2306211023
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Banera Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

ULR No. : TC629923200002675F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.36	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	202.10	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	56.4	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	186.30	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	109.13	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	14.77	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	416.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	52.31	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.42	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	15.85	mg/L	45	No relaxation

(Checked By) *Pawan*
03/07/23
VARDAN ENVIROLAB
Bhilwara
GURGAON

(Approved By) *Pratap Singh*
VARDAN ENVIROLAB
Authorized Signatory

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Test Report

Sample Number : VEL/W/06

Report No. : VEL/W/2306211023

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.005)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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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

Sample Number : VEL W/06

Report No. : VEL/W/2306211023

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

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

End of Report

8/6/23 07/2023
 (Checked By) **SATYA DEV**
 Dy. Technical Manager-Micro

(Approved By)

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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: 1/1

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/2306211023/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Banera Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L	--	--
3	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

(Checked By)
03/07/2023
Bibhu Nayak
Tech Manager
VARDAN ENVIRO LAB
GURGAON

Approved By
Gaurav Pratap Singh
VARDAN ENVIRO LAB
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. 1/3

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/2306211024
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Litrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mahua Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

ULR No. : TC629923200002676F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.26	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	211.50	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	54.4	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	175.95	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	113.77	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition: 3500 Mg B.	18.20	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	430.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	55.82	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.42	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	17.49	mg/L	45	No relaxation

Accepted
(Checked By) *[Signature]*
02/07/2023
Bibhu Mohan
Dr. Tech Manager

Approved By
Gaurav Pratap Singh
VARDAN ENVIROLAB
Authorized Signatory

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Test Report

Sample Number : VEL W/07

Report No. : VEL/W/2306211024

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.005)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	Boron as B,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	0.012	mg/L	0.5	2.4
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L		


 03/10/2023
 (Checked By)


 (Approved By)
 Pratab Singh

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



Test Report

Sample Number : VEL W/07

Report No. : VEL/W/2306211024

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

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

End of Report

8102
83/07/23
VA DEV
(Checked By) *Manoj Kumar, Sr-Micro*

(Approved By)

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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/2306211024/N
Format No : 7.8.F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mahua Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	136.30	mg/L		
3	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

(Handwritten Signature)
(Checked By) 03/07/2023
Bibhuti Nayak
Dy. Tech. Manager
VARDAN ENVIROLAB
GURGAON

(Handwritten Signature)
(Approved By)
VARDAN ENVIROLAB
Authorized Laboratory

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Test Report

Page No. 1/3

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/2306211022
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 28/06/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Chimanpur Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP...

ULR No. : TC629923200002674F

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.37	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	201.16	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	56.40	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	178.02	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	114.24	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.15)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition: 3500 Mg B,	12.26	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	436.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	47.40	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.41	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B / IS: 3025 (P-34)	15.29	mg/L	45	No relaxation

(Checked By) 28/06/2023



Approved By
Pratap Singh

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Test Report

Sample Number : VEL W/05

Report No. : VEL/W/2306211022

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.05)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	Mercury as Hg,Max	VEL/STP/ICP/W-01,Issue No-01,Issue Date-01/11/2021	BLQ(LOQ-0.0005)	mg/L	0.001	No relaxation
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01,Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--



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



Test Report

Sample Number : VEL W/05

Report No. : VEL/W/2306211022

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

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

End of Report


(Checked By)
Technical Manager-Micro



(Approved By)

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

Report No. : VEL/W/2306211022/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 28/06/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 15/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Chimanpur Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP ..

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	141.00	mg/L	--	--
3	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


(Checked By) 


(Approved By) 

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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. 1/3

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/2306211025
Format No : 7.8 F.03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mandal Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS, APHA & STP,.,

ULR No. : TC629923200002677E

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	pH (at 25 °C)	IS:3025 (Part-11)	7.42	-	6.5-8.5	No relaxation
2	Colour,Max	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
3	Turbidity,Max	IS:3025 (Part-10)	BLQ(LOQ-1.0)	NTU	1	5
4	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6	Total Hardness (as CaCO ₃),Max	IS:3025 (Part-21)	197.40	mg/L	200	600
7	Calcium (as Ca),Max	IS:3025 (Part-40)	52.64	mg/L	75	200
8	Total Alkalinity (as CaCO ₃),Max	IS:3025 (Part-23)	170.77	mg/L	200	600
9	Chloride (as Cl),Max	IS:3025 (Part-32)	111.45	mg/L	250	1000
10	Residual Free Chlorine (RFC),Min	IS 3025 (Part-26)	BLQ(LOQ-0.15)	mg/L	0.2	1
11	Cyanide (as CN),Max	IS:3025 (P-27)	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
12	Magnesium (as Mg),Max	APHA 23rd Edition:, 3500 Mg B,	15.92	mg/L	30	100
13	Total Dissolved Solids,Max	IS 3025 (Part-16)	418.00	mg/L	500	2000
14	Sulphate (as SO ₄),Max	IS 3025 (Part-24)	51.40	mg/L	200	400
15	Fluoride (as F),Max	APHA 4500 F D	0.44	mg/L	1.0	1.5
16	Nitrate (as NO ₃),Max	APHA 23rd Edition:2017,4500 NO ₃ . B Screening Method / IS: 3025 (P-34) Chromotropic method	14.76	mg/L	45	No relaxation

(Checked By) *Pratyak*
03/07/2023
VARDAN ENVIROLAB
Binhub Nayak
By Tech Manager
GURGAON

(Approved By) *Pratap Singh*
VARDAN ENVIROLAB
Pratap Singh
GURGAON

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Test Report

Sample Number : VEL W/08

Report No. : VEL/W/2306211025

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
17	Anionic Detergents (as MBAS),Max	IS 3025 (Part - 68)	BLQ(LOQ-0.005)	mg/L	0.2	1.0
18	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
19	Aluminium as Al,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.005)	mg/L	0.03	0.2
20	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
21	Zinc,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.01)	mg/L	5	15
22	Total Chromium,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	No relaxation
23	Copper,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.05	1.5
24	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
25	Cadmium,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
26	Lead,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
27	Selenium as Se,Max	VEL/STP/ICP/W-01, Issue No-01, Issue Date-01/11/2021	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
28	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
29	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
30	Mineral Oil,Max	IS:3025 (P-39)	BLQ(LOQ-0.1)	mg/L	1.0	No relaxation
31	Total Pesticides	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L	--	--

03/07/2022

 (Checked By)

Approved By

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Vardan Envirolab

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

Page No. 3/3

Sample Number: VEL W/08

Report No. : VEL/W/2306211025

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

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

End of Report

S. Dev
28/07/2024
SARITA DEV
(Checked By) *Technical Manager-Micro*

[Signature]
(Approved By)

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

Report No. : VEL/W/2306211025/N
Format No : 7.8 F 03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs+250 ml
Sampling Type : Grab

Sample Description : Ground Water
Location : Mandal Village
Sample Collected by : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS; APHA & STP...

S.No.	Parameter	Test Method	Result	Unit	Specification as per IS:10500:2012	
					Acceptable Limit	Permissible Limits
1	Phenolic Compounds (as C6H5OH),Max	IS: 3025 (P-43)	BLQ(LOQ-0.0005)	mg/L	0.001	0.002
2	Calcium Hardness	By Calculation	131.60	mg/L	--	--
3	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

(Handwritten Signature)
(Checked By) 03/07/2023
VARDAN ENVIROLAB
Bibhuli Narak
By Tech. Manager
GURGAON

VARDAN ENVIROLAB
Pradeep
(Approved By)

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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. 1/3

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

Report No. : VEL/SW/2306211001
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200002680F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.48	--
2	Turbidity	IS:3025 (P-10)	18.60	NTU
3	Colour	IS: 3025 (P-4)	5.00	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO3	IS:3025 (P-21)	216.20	mg/L
6	Chloride as Cl	IS:3025 (P-32)	67.33	mg/L
7	Cyanide as CN	IS:3025 (P-27)	BLQ(LOQ- 0.02)	mg/L
8	Total Dissolved Solids	IS:3025 (P-16)	428.00	mg/L
9	Sulphate (as SO4)	IS:3025 (P-24)	48.70	mg/L
10	Fluoride (as F)	APHA, 4500 F B & D	0.23	mg/L
11	Nitrate as N	IS:3025 (P - 34)	0.65	mg/L
12	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
13	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.001)	mg/L
14	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.05)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ- 0.0005)	mg/L

(Checked By)

03/07/2023



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Test Report

Sample Number : VEL SW/01

Report No.

: VEL/SW/2306211001

S.No.	Test Parameters	Test Method	Results	Units
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ- 0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	24.80	mg/L
23	Total Alkalinity as CaCO ₃	IS:3025 (P-23)	212.17	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	14.87	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.044	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.049	mg/L
27	Total Suspended Solids	IS: 3025 (P-17)	12.00	mg/L
28	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
29	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L

Mansi
03/07/2023
(Checked By)

(Approved By)
Gaurav Pratap Singh
VARDAN ENVIROLAB
Authorised 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. 3/3

Sample Number : VEL SW/01

Report No. : VEL/SW/2306211001

S.No.	Test Parameters	Test Method	Results	Units
30	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
31	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

End of Report


 (Checked By) **DR. APYA DEV**
 Dy. Technical Manager-Micro


 (Approved By)

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Test Report

Page No. 1/1

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

Report No. : VEL/SW/2306211001/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Mandal Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Perform	
2	Calcium Hardness	By Calculation	62.0	mg/L
3	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ-0.15)	mg/L
4	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ- 0.1)	mg/L
5	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L

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

End of Report

(Handwritten Signature)
(Checked By) 03/07/2023
VARDAN ENVIROLAB
Bishnu Nayak
By Tech Manager
GURGRAM

VARDAN ENVIROLAB
Pratap Singh
Approved By
Authorised 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. 1/3

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

Report No. : VEL/SW/2306211003
Format No : 7.8.F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Chamampura Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200002682F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.51	--
2	Turbidity	IS:3025 (P-10)	19.50	NTU
3	Colour	IS: 3025 (P-4)	5.00	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO ₃	IS:3025 (P-21)	211.50	mg/L
6	Chloride as Cl	IS:3025 (P-32)	71.98	mg/L
7	Cyanide as CN	IS:3025 (P-27)	BLQ(LOQ- 0.02)	mg/L
8	Total Dissolved Solids	IS:3025 (P-16)	418.00	mg/L
9	Sulphate (as SO ₄)	IS:3025 (P-24)	44.01	mg/L
10	Fluoride (as F)	APHA, 4500 F B & D	0.25	mg/L
11	Nitrate as N	IS:3025 (P - 34)	0.69	mg/L
12	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
13	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.001)	mg/L
14	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.005)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ- 0.0005)	mg/L

Deepak
(Checked By)
03/07/2023
VARDAN ENVIRONMENTAL
Bhishu Nayak
Dr. Tech. Manager

(Approved By)
Gaurav Pratap Singh
VARDAN ENVIRONMENTAL
Authorised Signatory

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Test Report

Sample Number : VEL SW/03

Report No. : VEL/SW/2306211003

S.No.	Test Parameters	Test Method	Results	Units
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ- 0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	30.40	mg/L
23	Total Alkalinity as CaCO3	IS:3025 (P-23)	217.35	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	5.22	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.049	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.046	mg/L
27	Total Suspended Solids	IS: 3025 (P-17)	13.00	mg/L
28	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	mg/L
29	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ- 0.01)	µg/L

23/07/2023
(Checked By)

Approved By
Saurav
Pratap Singh
Authorized Signatory

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Vardan Envirolab

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

Page No. 3/3

Sample Number: VEL/SW/03

Report No.

VEL/SW/2306211003

S.No.	Test Parameters	Test Method	Results	Units
30	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
31	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

*BDL-Below Detection Limit, **DL-Detection Limit

End of Report

S.D.
03/07/2022

(Checked By)

SATYA DEV

Dy. Technical Manager-Micro



(Approved By)

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Test Report

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

Report No. : VEL/SW/2306211003/N
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Chamampura Pond
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Perform	
2	Calcium Hardness	By Calculation	76.00	mg/L
3	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ- 0.15)	mg/L
4	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ- 0.1)	mg/L
5	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ- 0.00005)	mg/L

*BDL-Below Detection Limit, **DL-Detection Limit

End of Report

(Handwritten Signature)
03/07/2023
(Checked By)



(Handwritten Signature)
Approved By
Gaurav Pratap Singh
Authorised Signatory

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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. 1/3

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

Report No. : VEL/SW/2306211002
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 03/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
Sampling Date : 16/06/2023
Sampling Quantity : 10 Ltrs.+250 ml
Sampling Type : Grab

Sample Description : Surface Water
Location : Lampiya Pit
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

ULR No. : TC629923200002681F

S.No.	Test Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025 (P-11)	7.36	--
2	Turbidity	IS:3025 (P-10)	17.60	NTU
3	Colour	IS: 3025 (P-4)	5.00	Hazen
4	Odour	IS: 3025 (P-5)	Agreeable	--
5	Total Hardness as CaCO3	IS:3025 (P-21)	206.80	mg/L
6	Chloride as Cl	IS:3025 (P-32)	65.01	mg/L
7	Cyanide as CN	IS:3025 (P-27)	BLQ(LOQ-0.02)	mg/L
8	Total Dissolved Solids	IS:3025 (P-16)	414.00	mg/L
9	Sulphate (as SO4)	IS:3025 (P-24)	44.19	mg/L
10	Fluoride (as F)	APHA, 4500 F B & D	0.25	mg/L
11	Nitrate as N	IS:3025 (P - 34)	0.62	mg/L
12	Lead	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
13	Selenium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.001)	mg/L
14	Iron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
15	Arsenic as As	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.005)	mg/L
16	Total Chromium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
17	Phenolic Compounds	IS:3025 Part-43	BLQ(LOQ-0.0005)	mg/L

Checked By
03/07/2023



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Test Report

Sample Number : VEL SW/02

Report No. : VEL/SW/2306211002

S.No.	Test Parameters	Test Method	Results	Units
18	Anionic Detergent as MBAS	IS:3025 Part- 68	BLQ(LOQ-0.05)	mg/L
19	Zinc	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.021	mg/L
20	Copper	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
21	Cadmium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.002)	mg/L
22	Calcium as Ca	IS: 3025 (P-40)	23.2	mg/L
23	Total Alkalinity as CaCO3	IS:3025 (P-23)	201.82	mg/L
24	Magnesium as Mg	APHA, 3500 Mg B, Calculation Method	15.01	mg/L
25	Aluminium	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.04	mg/L
26	Boron	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	0.051	mg/L
27	Total Suspended Solids	IS: 3025 (P-17)	10.00	mg/L
28	Manganese as Mn	VEL/STP/ICP/W-01, Issue No. 01, Issue date 01/11/2021	BLQ(LOQ-0.01)	mg/L
29	Total Pesticides residues	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.01)	µg/L

03/07/2023
(Checked By)

Approved By
Gaurav Prataap Singh
Authorized Signatory

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Vardan Envirolab

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

Page No. 3/3

Sample Number : VEL SW/02

Report No. : VEL/SW/2306211002

S.No.	Test Parameters	Test Method	Results	Units
30	Total Coliform	APHA, 23rd Edition, 9221B	<1.8	MPN/100ml
31	Escherichia coli	APHA, 23rd Edition, 9221F	<1.8	MPN/100ml

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

End of Report

8/03/2023
 (Checked By) **SATYA DEV**
 Dy. Technical Manager-Micro

(Approved By)

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Test Report

Page No: 1/1

Sample Number : VEL SW/02

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

Report No. : VEL/SW/2306211002/N

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 03/07/2023

Period of Analysis : 21/06/2023-28/06/2023

Receipt Date : 21/06/2023

Sampling Date : 16/06/2023

Sampling Quantity : 10 Ltrs.+250 ml

Sampling Type : Grab

Sample Description : Surface Water
Location : Lampiya Pit
Sample Collected By : VEL Representative (Mr. Pawan)
Environmental Condition : OK
Sampling and Analysis Protocol : IS : 3025 & APHA

S.No.	Test Parameters	Test Method	Results	Units
1	Taste	IS:3025 (P-8)	Not Perform	
2	Calcium Hardness	By Calculation	58.00	mg/L
3	Residual Free Chlorine	IS :3025 (P-26)	BLQ(LOQ-0.15)	mg/L
4	Mineral Oil	IS: 3025 (P-39)	BLQ(LOQ-0.1)	mg/L
5	Polynuclear Aromatic Hydrocarbon(as PAH)	VEL/STP/W-01, Issue No-01, Issue date 01/11/2021	BLQ(LOQ-0.00005)	mg/L

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

End of Report

(Signature)
(Checked By)
03/07/2023
VARDAN ENVIRO LAB
Bhilwara Nayak
By Test Manager
GURGAON

(Signature)
Gaurav (Approved By)
Pratap Singh
VARDAN ENVIRO LAB
Authorised Signatory

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Test Report

Sample Number : VEL/N/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/N/2306211004

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 04/07/2023

Period of Analysis : 21/06/2023-28/06/2023

Receipt Date : 21/06/2023

ULR No. : TC629923200002718F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Lampiya Village
 Sample Collected By : VEL Representative (Mr. Pawan)
 Sampling Equipment used : Sound Level Meter
 Instrument Code : VEL/SLM/13
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 14/06/2023 To 15/06/2023
 Time of Monitoring : 06:00 AM to 06:00 AM
 Ambient Temperature (°C) : Min.25°C,Max.38°C
 Surrounding Activity : Human,Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
 Sampling Duration : 24.0 Hours
 Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	53.22	43.48	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

(Checked By) 


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Test Report

Sample Number : VEL/N/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/N/2306211002

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 04/07/2023

Period of Analysis : 21/06/2023-28/06/2023

Receipt Date : 21/06/2023

ULR No. : TC629923200002716F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Devpura Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2023 To 15/06/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	54.04	43.87	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

(Checked By) 
04/07/2023


(Approved By)

Gaurav Prhalap Singh


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Test Report

Sample Number : VEL/N/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/N/2306211003
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002717F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Kamalpura Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/11
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2023 To 15/06/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C,Max.38°C
Surrounding Activity : Human,Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	52.32	42.26	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/N/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/N/2306211001
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002714F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Jaliya Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/12
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 14/06/2023 To 15/06/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Other Activities.
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	54.26	44.81	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

(Checked By)

(Approved By)

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Test Report

Sample Number : VEL/N/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/N/2306211006

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 04/07/2023

Period of Analysis : 21/06/2023-28/06/2023

Receipt Date : 21/06/2023

ULR No. : TC629923200002720F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Banera Village

Sample Collected By : VEL Representative (Mr. Pawan)

Sampling Equipment used : Sound Level Meter

Instrument Code : VEL/SLM/13

Instrument Calibration Status : Calibrated

Meteorological condition during monitoring : Clear Sky

Date of Monitoring : 15/06/2023 To 16/06/2023

Time of Monitoring : 06:00 AM to 06:00 AM

Ambient Temperature (°C) : Min.25°C,Max.38°C

Surrounding Activity : Human,Vehicular & Other Activities

Scope of Monitoring : Regulatory Requirement

Sampling & Analysis Protocol : CPCB Guidelines & IS:9989

Sampling Duration : 24.0 Hours

Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	47.12	37.82	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

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Test Report

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Sample Number : VEL/N/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/N/2306211007

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 04/07/2023

Period of Analysis : 21/06/2023-28/06/2023

Receipt Date : 21/06/2023

ULR No. : TC629923200002721F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Mahua Village
 Sample Collected By : VEL Representative (Mr. Pawan)
 Sampling Equipment used : Sound Level Meter
 Instrument Code : VEL/SLM/10
 Instrument Calibration Status : Calibrated
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 15/06/2023 To 16/06/2023
 Time of Monitoring : 06:00 AM to 06:00 AM
 Ambient Temperature (°C) : Min.25°C, Max.38°C
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Sampling & Analysis Protocol : CPCB Guidelines & IS-9989
 Sampling Duration : 24.0 Hours
 Parameter Required : Leq, CPCB Limits in dB(A*) Leq (Industrial Area), CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	52.32	42.26	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

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Test Report

Sample Number : VEL/N/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/N/2306211005
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002719F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Chimanpura Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/12
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2023 To 16/06/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C,Max.38°C
Surrounding Activity : Human,Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	51.28	41.06	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

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Test Report

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Sample Number : VEL/N/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/N/2306211008
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002722F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Mandal Village
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/11
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 15/06/2023 To 16/06/2023
Time of Monitoring : 06:00 AM TO 06:00 AM
Ambient Temperature (°C) : Min.25°C, Max.38°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq, CPCB Limits in dB(A*) Leq (Industrial Area), CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	54.13	42.75	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

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Test Report

Page No. 1/1

Sample Number : VEL/N/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/N/2306211009
Format No : 7.8 F-03
Party Reference No : By Mail
Reporting Date : 04/07/2023
Period of Analysis : 21/06/2023-28/06/2023
Receipt Date : 21/06/2023
ULR No. : TC629923200002723F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : One Storage & Loading Point
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/10
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2023 To 17/06/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C,Max.38°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq, CPCB Limits in dB(A*) Leq (Industrial Area), CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	73.42	63.98	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

(Checked By) 
04/07/2023


(Approved By) 
Gaurav Pratap Singh


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Test Report

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Sample Number : VEL/N/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/N/2306211010

Format No : 7.8 F-03

Party Reference No : By Mail

Reporting Date : 04/07/2023

Period of Analysis : 21/06/2023-28/06/2023

Receipt Date : 21/06/2023

ULR No. : TC629923200002724F

Sample Description : AMBIENT NOISE

General Information

Sampling Location : Haul Road
Sample Collected By : VEL Representative (Mr. Pawan)
Sampling Equipment used : Sound Level Meter
Instrument Code : VEL/SLM/11
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 16/06/2023 To 17/06/2023
Time of Monitoring : 06:00 AM to 06:00 AM
Ambient Temperature (°C) : Min.25°C,Max.38°C
Surrounding Activity : Human,Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : CPCB Guidelines & IS:9989
Sampling Duration : 24.0 Hours
Parameter Required : Leq,CPCB Limits in dB(A*) Leq (Industrial Area),CPCB Limits in dB(A*) Leq

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)	
1	Leq	IS-9989	60.53	53.85	dB (A)
2	CPCB Limits in dB(A*) Leq (Industrial Area)	--	75	70	dB (A)
3	CPCB Limits in dB(A*) Leq (Residential Area)	--	55	45	dB (A)
4	CPCB Limits in dB(A*) Leq (Commercial Area)	--	65	55	dB (A)
5	CPCB Limits in dB(A*) Leq (Silent Zone)	--	50	40	dB (A)

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

End of Report

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