



TEST REPORT



VIBRANT

"Experience the unimaginable"
Sample Number : VTL/AA/02

Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

Report No. : VTL/A/2402080002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Staff Canteen front of CCR Building
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
Coordinates : 25°19'0" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/02/2024 To 07/02/2024
Time of Monitoring : 10:20 to 10:20 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	71.85	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.98	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.24	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.45	µg/m³	80

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report

VIBRANT

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RK Yadav
Lab Incharge
Authorized Signatory



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Vibrant Techno Lab Pvt. Ltd.

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Sample Number : VTL/AA/02

Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

TEST REPORT

Report No. : VTL/A/2402080002/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

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Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/02
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Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/02/2024 To 07/02/2024
Time of Monitoring : 10:20 to 10:20 Hrs.
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Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.68	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	265.00	µg/m ³	--

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Sample Number : VTL/AA/03
Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

Report No. : VTL/A/2402080003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Tiranga House
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/02/2024 To 06/02/2024
Time of Monitoring : 10:40 to 10:40 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	68.95	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.75	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.65	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.46	µg/m³	80

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Report No. : VTL/A/2402080003/B
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Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Tiranga House
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/02/2024 To 06/02/2024
Time of Monitoring : 10:40 to 10:40 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.63	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	210.00	µg/m ³	--

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Sample Number : VTL/AA/01

Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

TEST REPORT



TC-11227

Report No. : VTL/A/2402080001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Switch Yard
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°18'28" & 74°32'36"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/02/2024 To 07/02/2024
Time of Monitoring : 10:00 to 10:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	75.26	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.25	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	20.12	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.56	µg/m ³	80

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Sample Number : VTL/AA/01

Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

Report No. : VTL/A/2402080001/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Switch Yard
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/01
Coordinates : 25°18'28" & 74°32'36"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/02/2024 To 07/02/2024
Time of Monitoring : 10:00 to 10:00 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.67	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	240.00	µg/m ³	--

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VIBRANT

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Sample Number : VTL/AA/04

Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

TEST REPORT



TC-11227

Report No. : VTL/A/2402080004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Mineral Benefication Plant
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/02/2024 To 06/02/2024
Time of Monitoring : 10:55 to 10:55 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	79.56	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	38.56	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.46	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.45	µg/m ³	80

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Sample Number : VTL/AA/04

Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

TEST REPORT

Report No. : VTL/A/2402080004/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Mineral Benefication Plant
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/04
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 05/02/2024 To 06/02/2024
Time of Monitoring : 10:55 to 10:55 Hrs.
Ambient Temperature (°C) : Min. 10°C Max. 23°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Method of Sampling : IS :5182
Sampling Duration : 24 Hrs.
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	IS:5182 (P- 10)-1999, RA. 2019 (NDIR)	0.73	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	265.00	µg/m ³	-

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Sample Number : VTL/S/01
Name & Address of the Party : M/s Jindal Saw Limited
Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

Report No. : VTL/S/2402080001/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 13/02/2024
Period of Analysis : 08/02/2024-13/02/2024
Receipt Date : 08/02/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Rotary Kiln
Sample Collected By : VTL Team
Date of Sampling : 07/02/2024
Sampling duration (Minutes) : 53 Min. (15:05 to 15:58 Hrs.)
Stack attached to : Kiln
Make of stack : Concrete
Diameter of stack(m) : 0.872 M.
Height of stack(m) : 120.0 M.
Instrument calibration status : Calibrated
Meteorological Condition : Clear Sky
Ambient Temperature - Ta (°C) : 20
Temperature of Stack Gases - Ts (°C) : 131
Velocity of Stack Gases (m/sec.) : 5.88
Flow rate of PM (LPM) : 19
Flow rate of Gas (LPM) : -
Sampling condition : OK
Protocol used : IS 11255 & USEPA
Coordinates : 25°19'6" & 74°32'25"

S.No.	Parameters	Test Method	Results	Units
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	36.84	mg/Nm ³

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End of Report



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Sample Number : VTL/S/01

Name & Address of the Party : M/s Jindal Saw Limited

Iron Ore Pellet Plant, Khasara No.- 9697/6711,
Village- Pur, Tehsil & District - Bhilwara Rajasthan

TEST REPORT



TC-11227

Report No. : VTL/S/2402260001/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 04/03/2024

Period of Analysis : 26/02/2024-04/03/2024

Receipt Date : 26/02/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Coal Grinding Mill
 Sample Collected By : VTL Team
 Date of Sampling : 23/02/2024
 Sampling duration (Minutes) : 55 min. (10:15 to 11:10 hrs.)
 Stack attached to : Coal Mill
 Make of stack : SS
 Diameter of stack(m) : 0.94 m
 Height of stack(m) : 4.0 m
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 20°C
 Temperature of Stack Gases - Ts (°C) : 62°C
 Velocity of Stack Gases (m/sec.) : 41.6
 Flow rate of PM (LPM) : 18
 Flow rate of Gas (LPM) : -
 Sampling condition : OK
 Protocol used : IS 11255 & USEPA
 Coordinates : 25°19'8" & 74°32'27"

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	39.41	mg/Nm3	50

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