

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/2404120002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 16/04/2024
Period of Analysis : 12/04/2024-16/04/2024
Receipt Date : 12/04/2024

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/01
Coordinates : 25°19'0" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/04/2024 To 11/04/2024
Time of Monitoring : 10:40 to 10:40 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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	66.28	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.02	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.17	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	7.84	µg/m³	80

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

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Vibrant Techno Lab Pvt. Ltd.

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

**VIBRANT***"Experience the unimaginable"***TEST REPORT**

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/2404120002/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 16/04/2024

Period of Analysis : 12/04/2024-16/04/2024

Receipt Date : 12/04/2024

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/01
Coordinates : 25°19'0" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/04/2024 To 11/04/2024
Time of Monitoring : 10:40 to 10:40 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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)	0.56	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	248.0	µg/m ³	--

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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0141-2954638

bd@vibranttechnolab.com

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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/2404120003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 16/04/2024
Period of Analysis : 12/04/2024-16/04/2024
Receipt Date : 12/04/2024

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/04
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/04/2024 To 10/04/2024
Time of Monitoring : 11:25 to 11:25 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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	65.28	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.92	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	13.57	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.24	µg/m³	80

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0141-2954638

bd@vibranttechnolab.com

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****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/2404120003/B**Format No :** 7.8 F-02**Party Reference No :** NIL**Report Date :** 16/04/2024**Period of Analysis :** 12/04/2024-16/04/2024**Receipt Date :** 12/04/2024**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/04
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/04/2024 To 10/04/2024
Time of Monitoring : 11:25 to 11:25 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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)	0.59	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	198.0	µg/m ³	---

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

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/2404120001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 16/04/2024
Period of Analysis : 12/04/2024-16/04/2024
Receipt Date : 12/04/2024

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/07
Coordinates : 25°18'28" & 74°32'36"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/04/2024 To 10/04/2024
Time of Monitoring : 12:00 to 12:00 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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	72.12	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	34.68	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.34	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.42	µg/m³	80

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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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/2404120001/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 16/04/2024

Period of Analysis : 12/04/2024-16/04/2024

Receipt Date : 12/04/2024

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/07
Coordinates : 25°18'28" & 74°32'36"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/04/2024 To 10/04/2024
Time of Monitoring : 12:00 to 12:00 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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)	0.72	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	228.0	µg/m ³	--

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9929108691, 9810205356, 8005707098, 9549956601

☎ 0141-2954638

✉ bd@vibranttechnolab.com

🌐 www.vibranttechnolab.com

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

Report No. : VTL/A/2404120004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 16/04/2024
Period of Analysis : 12/04/2024-16/04/2024
Receipt Date : 12/04/2024

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 : 10/04/2024 To 11/04/2024
Time of Monitoring : 11:10 to 11:10 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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	77.29	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.98	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.88	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.74	µg/m³	80

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

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**VIBRANT***"Experience the unimaginable"***TEST REPORT****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**Report No. :** VTL/A/2404120004/B**Format No :** 7.8 F-02**Party Reference No :** NIL**Report Date :** 16/04/2024**Period of Analysis :** 12/04/2024-16/04/2024**Receipt Date :** 12/04/2024**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 : 10/04/2024 To 11/04/2024
Time of Monitoring : 11:10 to 11:10 Hrs.
Ambient Temperature (°C) : Min. 21°C Max. 36°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)	0.69	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	252.0	µg/m ³	--

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0141-2954638

bd@vibranttechnolab.com

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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/2404120001/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 16/04/2024
Period of Analysis : 12/04/2024-16/04/2024
Receipt Date : 12/04/2024

Sample Description : Stack Emission Monitoring

General Information:-
Sampling Location : Rotary Kiln
Sample Collected By : VTL Team
Date of Sampling : 10/04/2024
Sampling duration (Minutes) : 53 Min. (10:21 to 11:14 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) : 36
Temperature of Stack Gases - Ts (°C) : 128
Velocity of Stack Gases (m/sec.) : 6.0
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	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	34.51	mg/Nm3	50

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0141-2954638
bd@vibranttechnolab.com
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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

TC-11227

Sample Number : VTL/S/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/S/2404120002/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 16/04/2024

Period of Analysis : 12/04/2024-16/04/2024

Receipt Date : 12/04/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Coal Grinding Mill
Sample Collected By : VTL Team
Date of Sampling : 09/04/2024
Sampling duration (Minutes) : 63 Min. (10:20 to 11:23 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) : 36
Temperature of Stack Gases - Ts (°C) : 83
Velocity of Stack Gases (m/sec.) : 39.61
Flow rate of PM (LPM) : 16
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	37.29	mg/Nm3	50

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End of Report

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0141-2954638

bd@vibranttechnolab.com

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