



VIBRANT

"Experience the unimaginable"

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

TEST REPORT



TC-11227

Report No. : VTL/A/2401120004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

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/04
Coordinates : 25°19'0" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/01/2024 To 10/01/2024
Time of Monitoring : 11:00 to 11:00 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 18°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	69.89	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.46	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.42	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.0	µg/m³	80

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

End of Report

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Lab Incharge
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TEST REPORT

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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)	0.61	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	220.0	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/2401120002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

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/07
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/01/2024 To 10/01/2024
Time of Monitoring : 11:30 to 11:30 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 18°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	66.58	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	33.75	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.49	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.82	µg/m³	80

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TEST REPORT

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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)	0.58	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	195.0	µg/m ³	--

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

TEST REPORT



TC-11227

Report No. : VTL/A/2401120003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

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/02
Coordinates : 25°18'28" & 74°32'36"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/01/2024 To 10/01/2024
Time of Monitoring : 10:30 to 10:30 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 18°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	73.89	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.26	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.85	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.00	µg/m³	80

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TEST REPORT

Report No. : VTL/A/2401120003/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

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/02
Coordinates : 25°18'28" & 74°32'36"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/01/2024 To 10/01/2024
Time of Monitoring : 10:30 to 10:30 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 18°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	200.0	µg/m ³	--

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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/2401120005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

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/03
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/01/2024 To 10/01/2024
Time of Monitoring : 10:40 to 10:40 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 18°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	76.43	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.16	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.82	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.79	µg/m³	80

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Village- Pur, Tehsil & District - Bhilwara Rajasthan

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Report No. : VTL/A/2401120005/B
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Receipt Date : 12/01/2024

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General Information:-

Sampling Location : Mineral Benefication Plant
Sample Collected By : VTL Team
Sampling Equipment used : RDS/FPS
Instrument Code : VTL/RDS/FPS/03
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/01/2024 To 10/01/2024
Time of Monitoring : 10:40 to 10:40 Hrs.
Ambient Temperature (°C) : Min. 11°C Max. 18°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	225.0	µg/m ³	--

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TEST REPORT



Report No. : VTL/S/2401120001/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Rotary Kiln
Sample Collected By : VTL Team
Date of Sampling : 10/01/2024
Sampling duration (Minutes) : 62 Min. (13:00 to 14:02 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) : 22
Temperature of Stack Gases - Ts (°C) : 136
Velocity of Stack Gases (m/sec.) : 4.84
Flow rate of PM (LPM) : 15
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	35.12	mg/Nm3

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Report Date : 20/01/2024
Period of Analysis : 12/01/2024-20/01/2024
Receipt Date : 12/01/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Coal Grinding Mill
Sample Collected By : VTL Team
Date of Sampling : 10/01/2024
Sampling duration (Minutes) : 56 Min. (16:13 to 17:09 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) : 23
Temperature of Stack Gases - Ts (°C) : 59
Velocity of Stack Gases (m/sec.) : 46.71
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	41.89	mg/Nm3	50

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