

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/2405110002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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/05
Coordinates : 25°19'0" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/05/2024 To 10/05/2024
Time of Monitoring : 09:00 to 09:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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	68.14	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.06	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.14	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	8.45	µg/m³	80

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

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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

Report No. : VTL/A/2405110002/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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/05
Coordinates : 25°19'0" & 74°32'30"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 09/05/2024 To 10/05/2024
Time of Monitoring : 09:00 to 09:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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)	0.62	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	255.0	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/2405110003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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/05
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/05/2024 To 09/05/2024
Time of Monitoring : 10:00 to 10:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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	67.15	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	33.85	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.59	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.26	µg/m ³	80

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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/2405110003/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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/05
Coordinates : 25°18'57" & 74°32'18"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/05/2024 To 09/05/2024
Time of Monitoring : 10:00 to 10:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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)	0.66	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	215.0	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

Report No. : VTL/A/2405110001/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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 : 08/05/2024 To 09/05/2024
Time of Monitoring : 08:30 to 08:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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	74.16	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.85	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	20.12	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.26	µg/m³	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/2405110001/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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 : 08/05/2024 To 09/05/2024
Time of Monitoring : 08:30 to 08:30 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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)	0.76	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	242.0	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

Report No. : VTL/A/2405110004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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/02
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/05/2024 To 09/05/2024
Time of Monitoring : 09:00 to 09:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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	79.23	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.59	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.42	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.01	µg/m ³	80

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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/2405110004/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

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/02
Coordinates : 25°19'10" & 74°32'22"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/05/2024 To 09/05/2024
Time of Monitoring : 09:00 to 09:00 Hrs.
Ambient Temperature (°C) : Min. 28°C Max. 41°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)	0.74	mg/m ³	4
2	Suspended Particulate Matter (as SPM)	IS:5182 (P- 4) :1999, RA.2014	268.0	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/2405110001/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 14/05/2024
Period of Analysis : 11/05/2024-14/05/2024
Receipt Date : 11/05/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Rotary Kiln
Sample Collected By : VTL Team
Date of Sampling : 09/05/2024
Sampling duration (Minutes) : 42 Min. (09:50 to 10:32 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) : 38
Temperature of Stack Gases - Ts (°C) : 123
Velocity of Stack Gases (m/sec.) : 7.33
Flow rate of PM (LPM) : 24
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	35.84	mg/Nm3	50

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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/2405110002/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 14/05/2024

Period of Analysis : 11/05/2024-14/05/2024

Receipt Date : 11/05/2024

Sample Description : Stack Emission Monitoring

General Information:-

Sampling Location : Coal Grinding Mill
 Sample Collected By : VTL Team
 Date of Sampling : 09/05/2024
 Sampling duration (Minutes) : 63 Min. (10:58 to 12:01 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) : 38
 Temperature of Stack Gases - Ts (°C) : 73
 Velocity of Stack Gases (m/sec.) : 38.38
 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	38.41	mg/Nm3	50

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