

Report Issued to:

JINDAL SAW LIMITED

**Village-Samaghogha, Taluka-Mundra,
Dist-Kutch-370415**

ENVIRONMENTAL MONTHLY MONITORING REPORT

MONTH OF MAY'23



Go Green Mechanisms Pvt. Ltd.

Head Office & Lab: Dayal Estate, National Highway
No. 8, Opp. APMC Market Gate – 1, Jetalpur,
Ahmedabad – 382426

Contact: 7069072008/10

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Ambient Air Report

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN192C/51/V85/01

Reporting Date: 09/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN192C/51/V85/01	Sampling Start Date:	01/05/2023 (09:47 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	02/05/2023 (09:47 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	03/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	04/05/2023-08/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	70.08	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.27	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.45	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN192C/51/V85/02

Reporting Date: 09/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

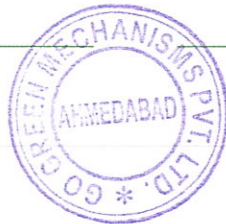
Lab ID:	Lab/PN192C/51/V85/02	Sampling Start Date:	01/05/2023 (10:10 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	02/05/2023 (10:10 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	03/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	04/05/2023-08/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.96	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.32	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	22.89	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN192C/51/V85/03

Reporting Date: 09/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN192C/51/V85/03	Sampling Start Date:	01/05/2023 (10:40 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	02/05/2023 (10:40 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	03/05/2023
Sample Description:	STP	Analysis start- End Date:	04/05/2023-08/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	64.97	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.66	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.71	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	21.17	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN192C/51/V85/04

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

Reporting Date: 09/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN192C/51/V85/04	Sampling Start Date:	01/05/2023 (11:16 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	02/05/2023 (11:16 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	03/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	04/05/2023-08/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	58.57	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	29.58	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.15	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.64	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN210C/51/V87/01

Reporting Date: 15/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN210C/51/V87/01	Sampling Start Date:	05/05/2023(09:58 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/05/2023(09:58 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	07/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	08/05/2023-13/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	66.04	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.58	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.40	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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Reporting Date: 15/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN210C/51/V87/02	Sampling Start Date:	05/05/2023(10:16 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/05/2023(10:16 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	07/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	08/05/2023-13/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.48	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	10.48	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.84	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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Reporting Date: 15/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN210C/51/V87/03	Sampling Start Date:	05/05/2023(10:39 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/05/2023(10:39 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	07/05/2023
Sample Description:	STP	Analysis start- End Date:	08/05/2023-13/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	61.41	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	9.83	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	18.60	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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Reporting Date: 15/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN210C/51/V87/04	Sampling Start Date:	05/05/2023(11:03 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/05/2023(11:03 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	07/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	08/05/2023-13/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C


Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	58.84	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	28.33	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	8.65	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	18.60	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit


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Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN225C/51/V89/01

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN225C/51/V89/01	Sampling Start Date:	08/05/2023(10:03 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	09/05/2023(10:03 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	11/05/2023-16/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	68.48	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.32	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.69	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN225C/51/V89/02

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 16/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN225C/51/V89/02	Sampling Start Date:	08/05/2023(10:29 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	09/05/2023(10:29 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	11/05/2023-16/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	62.60	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.58	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.61	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN225C/51/V89/03

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

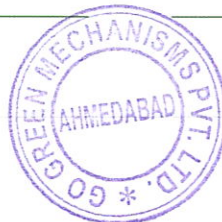
Lab ID:	Lab/PN225C/51/V89/03	Sampling Start Date:	08/05/2023(10:46 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	09/05/2023(10:46 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/05/2023
Sample Description:	STP	Analysis start- End Date:	11/05/2023-16/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.58	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.58	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	22.61	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN225C/51/V89/04

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 16/05/2023



SAMPLE DETAILS

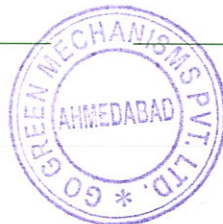
Lab ID:	Lab/PN225C/51/V89/04	Sampling Start Date:	08/05/2023(11:01 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	09/05/2023(11:01 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	11/05/2023-16/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.03	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	28.74	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	10.83	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	21.62	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN286C/51/V93/01

Reporting Date: 22/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN286C/51/V93/01	Sampling Start Date:	12/05/2023(09:46 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	13/05/2023(09:46 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	15/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	16/05/2023-20/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	65.17	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.33	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	11.04	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.89	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



P.B. Patel
Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN286C/51/V93/02

Reporting Date: 22/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

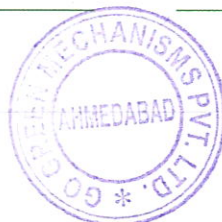
Lab ID:	Lab/PN286C/51/V93/02	Sampling Start Date:	12/05/2023(10:10 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	13/05/2023(10:10 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	15/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	16/05/2023-20/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	64.46	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.58	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	9.81	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	21.62	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

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Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN286C/51/V93/03

Reporting Date: 22/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN286C/51/V93/03	Sampling Start Date:	12/05/2023(10:39 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	13/05/2023(10:39 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	15/05/2023
Sample Description:	STP	Analysis start- End Date:	16/05/2023-20/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.77	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	29.16	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	10.65	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	19.46	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

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Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN286C/51/V93/04

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

Reporting Date: 22/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN286C/51/V93/04	Sampling Start Date:	12/05/2023(11:08 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	13/05/2023(11:08 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	15/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	16/05/2023-20/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	62.82	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.22	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	19.08	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

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Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN297C/51/V95/01

Reporting Date: 25/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN297C/51/V95/01	Sampling Start Date:	15/05/2023(09:42 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	16/05/2023(09:42 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	18/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	19/05/2023-24/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	69.22	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.41	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	13.32	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.93	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN297C/51/V95/02

Reporting Date: 25/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

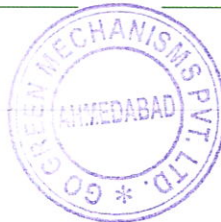
Lab ID:	Lab/PN297C/51/V95/02	Sampling Start Date:	15/05/2023(10:13 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	16/05/2023(10:13 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	18/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	19/05/2023-24/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	62.87	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.66	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.22	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.16	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN297C/51/V95/03

Reporting Date: 25/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

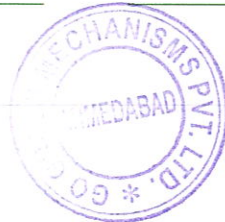
Lab ID:	Lab/PN297C/51/V95/03	Sampling Start Date:	15/05/2023(10:33 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	16/05/2023(10:33 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	18/05/2023
Sample Description:	STP	Analysis start- End Date:	19/05/2023-24/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	65.01	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.58	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	13.01	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	22.32	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN297C/51/V95/04

Reporting Date: 25/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

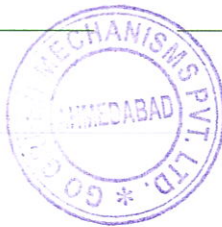
Lab ID:	Lab/PN297C/51/V95/04	Sampling Start Date:	15/05/2023(11:04 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	16/05/2023(11:04 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	18/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	19/05/2023-24/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.30	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	29.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	9.07	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	17.74	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN328C/51/V99/01

Reporting Date: 30/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

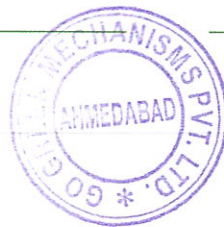
Lab ID:	Lab/PN328C/51/V99/01	Sampling Start Date:	19/05/2023(09:47 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/05/2023(09:47 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	23/05/2023-29/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	66.55	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.74	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.04	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	22.89	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN328C/51/V99/02

Reporting Date: 30/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

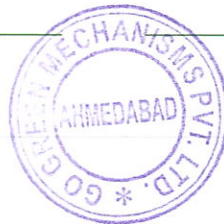
Lab ID:	Lab/PN328C/51/V99/02	Sampling Start Date:	19/05/2023(10:08 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/05/2023(10:08 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	23/05/2023-29/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	64.47	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	13.67	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	26.71	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN328C/51/V99/03

Reporting Date: 30/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN328C/51/V99/03	Sampling Start Date:	19/05/2023(10:27 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/05/2023(10:27 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/05/2023
Sample Description:	STP	Analysis start- End Date:	23/05/2023-29/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	68.38	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.49	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.83	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.32	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

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Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN328C/51/V99/04

Reporting Date: 30/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN328C/51/V99/04	Sampling Start Date:	19/05/2023(10:51 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/05/2023(10:51 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	23/05/2023-29/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	62.22	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.66	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	10.51	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	19.84	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN345C/51/V101/01

Reporting Date: 31/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN345C/51/V101/01	Sampling Start Date:	22/05/2023(10:05 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/05/2023(10:05 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	25/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	26/05/2023-30/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	70.11	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.66	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	14.37	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	26.20	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN345C/51/V101/02

Reporting Date: 31/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN345C/51/V101/02	Sampling Start Date:	22/05/2023(10:27 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/05/2023(10:27 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	25/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	26/05/2023-30/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	66.40	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	11.92	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.16	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN345C/51/V101/03

Reporting Date: 31/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN345C/51/V101/03	Sampling Start Date:	22/05/2023(10:51 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/05/2023(10:51 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	25/05/2023
Sample Description:	STP	Analysis start- End Date:	26/05/2023-30/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	65.86	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.01	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.46	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN345C/51/V101/04

Reporting Date: 31/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

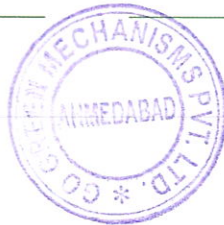
Lab ID:	Lab/PN345C/51/V101/04	Sampling Start Date:	22/05/2023(11:15 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	23/05/2023(11:15 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	25/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	26/05/2023-30/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.27	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	9.07	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	17.74	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN391C/51/V104/01

Reporting Date: 01/06/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN391C/51/V104/01	Sampling Start Date:	26/05/2023(09:40 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	27/05/2023(09:40 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	29/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	30/05/2023-01/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	67.50	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.58	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.80	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.40	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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Report Number : GGMPL/PN391C/51/V104/02

Reporting Date: 01/06/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN391C/51/V104/02	Sampling Start Date:	26/05/2023(10:04 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	27/05/2023(10:04 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	29/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	30/05/2023-01/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.96	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	13.14	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	26.71	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN391C/51/V104/03

Reporting Date: 01/06/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN391C/51/V104/03	Sampling Start Date:	26/05/2023(10:35 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	27/05/2023(10:35 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	29/05/2023
Sample Description:	STP	Analysis start- End Date:	30/05/2023-01/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.71	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.79	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.18	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN391C/51/V104/04

Reporting Date: 01/06/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN391C/51/V104/04	Sampling Start Date:	26/05/2023(11:09AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	27/05/2023(11:09 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	29/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	30/05/2023-01/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	61.89	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.11	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.09	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN420C/51/V106/01

Reporting Date: 02/06/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN420C/51/V106/01	Sampling Start Date:	29/05/2023(09:51 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	30/05/2023(09:51 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	31/05/2023
Sample Description:	Old Colony	Analysis start- End Date:	31/05/2023-02/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	64.31	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	10.51	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.60	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN420C/51/V106/02

Reporting Date: 02/06/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN420C/51/V106/02	Sampling Start Date:	29/05/2023(10:09 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	30/05/2023(10:09 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	31/05/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	31/05/2023-02/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.53	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.22	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	23.15	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN420C/51/V106/03

Reporting Date: 02/06/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN420C/51/V106/03	Sampling Start Date:	29/05/2023(10:32 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	30/05/2023(10:32 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	31/05/2023
Sample Description:	STP	Analysis start- End Date:	31/05/2023-02/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	61.83	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	28.74	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.41	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.89	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN420C/51/V106/04

Reporting Date: 02/06/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

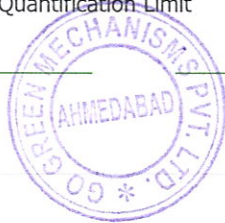
Lab ID:	Lab/PN420C/51/V106/04	Sampling Start Date:	29/05/2023(10:48 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	30/05/2023(10:48 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	31/05/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	31/05/2023-02/06/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C


Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	58.25	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	28.33	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	9.86	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.60	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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**Fugitive
Monitoring
Report**

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN342C/51/V100/02

Reporting Date: 29/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN342C/51/V100/02	Sampling Start Date:	20/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	22/05/2023
Sample Description:	BF -1 cast House	Analysis start- End Date:	23/05/2023-29/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	39.68	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	20.96	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	2313.08	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Blast Furnace-1 GPCB ID : 18037.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN319C/51/V97/01

Reporting Date: 24/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

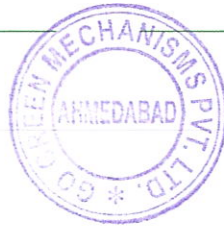
Lab ID:	Lab/PN319C/51/V97/01	Sampling Start Date:	17/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	03/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	19/05/2023
Sample Description:	BF-1 De Dusting	Analysis start- End Date:	20/05/2023-23/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	25.18	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	13.58	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	2362.24	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Blast Furnace-1 GPCB ID : 18037.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN342C/51/V100/01

Reporting Date: 29/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN342C/51/V100/01	Sampling Start Date:	20/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	22/05/2023
Sample Description:	BF -2 Ground Hooper	Analysis start- End Date:	23/05/2023-29/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	34.34	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	22.01	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	1927.64	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Blast Furnace-2 GPCB ID : 29026.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN219C/51/V88/01

Reporting Date: 15/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN219C/51/V88/01	Sampling Start Date:	06/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	08/05/2023
Sample Description:	BF-2 De Dusting	Analysis start- End Date:	09/05/2023-13/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	25.18	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	14.43	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	2013.88	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Blast Furnace- 2 GPCB ID : 29026

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN219C/51/V88/02

Reporting Date: 15/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN219C/51/V88/02	Sampling Start Date:	06/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	08/05/2023
Sample Description:	Sinter-01 Screening Building	Analysis start- End Date:	09/05/2023-13/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	29.76	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	19.58	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	1897.58	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Sinter Plant 1 GPCB ID : 35456

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN267C/51/V92/06

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 19/05/2023



SAMPLE DETAILS

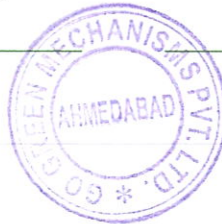
Lab ID:	Lab/PN267C/51/V92/06	Sampling Start Date:	11/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	15/05/2023
Sample Description:	Sinter-02 Crushing Building	Analysis start- End Date:	15/05/2023-18/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	23.65	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	17.88	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	2059.94	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Sinter Plant 2 GPCB ID : 29017

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN365C/51/V103/01

Reporting Date: 01/06/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN365C/51/V103/01	Sampling Start Date:	24/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	27/05/2023
Sample Description:	SDP-2 Induction	Analysis start- End Date:	29/05/2023-31/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	25.18	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	16.81	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	1360.62	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Pipe Plant; GPCB ID : 18036.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN365C/51/V103/02

Reporting Date: 01/06/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN365C/51/V103/02	Sampling Start Date:	24/05/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	24/05/2023
Sample Type:	Fugitive	Sample Receipt Date:	27/05/2023
Sample Description:	SDP-CCM Area	Analysis start- End Date:	29/05/2023-31/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	8
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	26.71	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	14.71	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m ³	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	1682.78	µg/m ³	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Pipe Plant; GPCB ID : 18036.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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Stack Monitoring Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN345C/51/V101/05

Reporting Date: 31/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN345C/51/V101/05	Sampling Date:	22/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	25/05/2023
Sample Type:	Stack	Analysis start- End Date:	26/05/2023-30/05/2023
Stack Height & Dia (m):	45 & 1.4	Stack Temperature (°C):	151
Stack Attached To:	Boiler -I	Stack gas velocity (m/sec):	5.99
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.893

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	2.02	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	16.92	mg/Nm ³	GGMPL/SOP/SEA/68	25
3	Sulphur Dioxide	10.47	mg/Nm ³	GGMPL/SOP/SEA/68	40

STACK MONITORING: Plant Name: Blast Furnace-1; GPCB ID: 18037

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN345C/51/V101/06

Reporting Date: 31/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN345C/51/V101/06	Sampling Date:	22/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	25/05/2023
Sample Type:	Stack	Analysis start- End Date:	26/05/2023-30/05/2023
Stack Height & Dia (m):	45 & 1.4	Stack Temperature (°C):	145
Stack Attached To:	Boiler -II	Stack gas velocity (m/sec):	6.52
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.960

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	2.61	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	13.16	mg/Nm ³	GGMPL/SOP/SEA/68	25
3	Sulphur Dioxide	15.71	mg/Nm ³	GGMPL/SOP/SEA/68	40

STACK MONITORING: Plant Name: Blast Furnace-1; GPCB ID: 18037

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN420C/51/V106/05

Reporting Date: 05/06/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN420C/51/V106/05	Sampling Date:	29/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	31/05/2023
Sample Type:	Stack	Analysis start- End Date:	01/06/2023-03/06/2023
Stack Height & Dia (m):	65 & 1.4	Stack Temperature (°C):	97
Stack Attached To:	Stove Stack	Stack gas velocity (m/sec):	9.99
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.703

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	2.42	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	13.16	mg/Nm ³	GGMPL/SOP/SEA/68	25
3	Sulphur Dioxide	15.71	mg/Nm ³	GGMPL/SOP/SEA/68	40

STACK MONITORING Plant Name: Blast Furnace 1; GPCB ID : 18037

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



Analyzed By
Krima Solanki




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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN192C/51/V85/05

Reporting Date: 09/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN192C/51/V85/05	Sampling Date:	01/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	03/05/2023
Sample Type:	Stack	Analysis start- End Date:	04/05/2023-08/05/2023
Stack Height & Dia (m):	40 & 1.5	Stack Temperature (°C):	38
Stack Attached To:	De-dusting Stack-2	Stack gas velocity (m/sec):	9.63
Fuel Used:	-	Volume of Air Sampled in NM3:	0.913

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	25.10	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Blast Furnace 2; GPCB ID: 29026 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Krima Solanki




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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN195C/51/V86/01

Reporting Date: 09/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN195C/51/V86/01	Sampling Date:	02/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	04/05/2023
Sample Type:	Stack	Analysis start- End Date:	05/05/2023-08/05/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	128
Stack Attached To:	Sinter Furnace 1	Stack gas velocity (m/sec):	10.61
Fuel Used:	BGF	Volume of Air Sampled in NM3:	0.746

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	48.24	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	6.0	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	15.0	ppm	GGMPL/SOP/SEA/68	50

STACK MONITORING Plant Name: Sinter Plant 1 GPCB ID : 35456/ APCM-ESP/Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Kr
Analyzed By
Krma Solanki



P.B. Pat
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN195C/51/V86/03

Reporting Date: 09/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN195C/51/V86/03	Sampling Date:	02/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	04/05/2023
Sample Type:	Stack	Analysis start- End Date:	05/05/2023-08/05/2023
Stack Height & Dia (m):	36.08 & 0.8	Stack Temperature (°C):	40
Stack Attached To:	Secondary Mixture Dum	Stack gas velocity (m/sec):	3.67
Fuel Used:	-	Volume of Air Sampled in NM3:	0.737

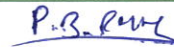
Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	35.57	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Sinter Plant 1; GPCB ID : 35456

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN361C/51/V102/02

Reporting Date: 30/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN361C/51/V102/02	Sampling Date:	23/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	25/05/2023
Sample Type:	Stack	Analysis start- End Date:	26/05/2023-29/05/2023
Stack Height & Dia (m):	10.75 & 0.8	Stack Temperature (°C):	44
Stack Attached To:	Primary Mixture Drum	Stack gas velocity (m/sec):	4.58
Fuel Used:	-	Volume of Air Sampled in NM3:	0.882

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	26.75	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Sinter Plant 1; GPCB ID : 35456 / APCM-ESP.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krma Solanki




Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN256C/51/V91/02

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN256C/51/V91/02	Sampling Date:	10/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	12/05/2023
Sample Type:	Stack	Analysis start- End Date:	12/05/2023-15/05/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	121
Stack Attached To:	Sinter Furnace 2	Stack gas velocity (m/sec):	11.19
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.7820

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	33.63	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	7	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	15	ppm	GGMPL/SOP/SEA/68	50

STACK MONITORING Plant Name: Sinter Plant 2; GPCB ID: 29017 / APCM-ESP/Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Krishi



Analyzed By
Krishi Solanki

P.B. Patel

Authorized Signatory
Payal Patel

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Report Number: GGMPL/PN256C/51/V91/05

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN256C/51/V91/05	Sampling Date:	10/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	12/05/2023
Sample Type:	Stack	Analysis start- End Date:	12/05/2023-15/05/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	46
Stack Attached To:	Primary Mixture Drum	Stack gas velocity (m/sec):	4.47
Fuel Used:	-	Volume of Air Sampled in NM3:	0.8492

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	34.97	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Sinter Plant 2; GPCB ID: 29017

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN256C/51/V91/04

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN256C/51/V91/04	Sampling Date:	10/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	12/05/2023
Sample Type:	Stack	Analysis start- End Date:	12/05/2023-15/05/2023
Stack Height & Dia (m):	36.08 & 0.8	Stack Temperature (°C):	41
Stack Attached To:	Secondary Mixture Dum	Stack gas velocity (m/sec):	3.74
Fuel Used:	-	Volume of Air Sampled in NM3:	0.7270

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	35.90	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Sinter Plant 2; GPCB ID:29017

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN267C/51/V92/04

Reporting Date: 19/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN267C/51/V92/04	Sampling Date:	11/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Stack	Analysis start- End Date:	15/05/2023-18/05/2023
Stack Height & Dia (m):	45 & 1.5	Stack Temperature (°C):	86
Stack Attached To:	Annealing Furnace-III	Stack gas velocity (m/sec):	5.95
Fuel Used:	BFG/LPG	Volume of Air Sampled in NM3:	1.074

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	13.69	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	14	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	25	ppm	GGMPL/SOP/SEA/68	50

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN297C/51/V95/05

Reporting Date: 25/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN297C/51/V95/05	Sampling Date:	15/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/05/2023
Sample Type:	Stack	Analysis start- End Date:	19/05/2023-24/05/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	57
Stack Attached To:	Mg Converter-1	Stack gas velocity (m/sec):	10.95
Fuel Used:	-	Volume of Air Sampled in NM3:	0.906

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	21.86	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krma Solanki



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Payal Patel

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Report Number: GGMPL/PN306C/51/V96/02

Reporting Date: 23/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN306C/51/V96/02	Sampling Date:	16/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/05/2023
Sample Type:	Stack	Analysis start- End Date:	19/05/2023-22/05/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	37
Stack Attached To:	Pickling & Passivation	Stack gas velocity (m/sec):	8.72
Fuel Used:	-	Volume of Air Sampled in NM3:	0.770

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	5.46	mg/Nm ³	IS 11255- Part 1	50
2	Oxides of Nitrogen	8.0	ppm	GGMPL/SOP/SEA/68	25

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Wet Scrubber.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



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Report Number: GGMPL/PN306C/51/V96/02A

Reporting Date: 23/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN306C/51/V96/02	Sampling Date:	16/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/05/2023
Sample Type:	Stack	Analysis start- End Date:	19/05/2023-22/05/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	37
Stack Attached To:	Pickling & Passivation	Stack gas velocity (m/sec):	8.72
Fuel Used:	-	Volume of Air Sampled in NM3:	0.770

Sr.No	Parameters*	Results	Unit	Test Method	Norms
1	Hydrogen Fluoride	1.14	mg/Nm ³	EPA Method 26 A	6
2	HCL	BQL (QL=0.04)	mg/Nm ³	EPA Method 26A	20

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Wet Scrubber.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krima Solanki




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Report Number: GGMPL/PN306C/51/V96/03

Reporting Date: 23/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN306C/51/V96/03	Sampling Date:	16/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/05/2023
Sample Type:	Stack	Analysis start- End Date:	19/05/2023-22/05/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	36
Stack Attached To:	Scrubber For Pigler	Stack gas velocity (m/sec):	5.16
Fuel Used:	-	Volume of Air Sampled in NM3:	1.047

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	9.64	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	11.0	ppm	GGMPL/SOP/SEA/68	25

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Wet Scrubber.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN306C/51/V96/03A

Reporting Date: 23/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN306C/51/V96/03	Sampling Date:	16/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/05/2023
Sample Type:	Stack	Analysis start- End Date:	19/05/2023-22/05/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	36
Stack Attached To:	Scrubber For Pigler	Stack gas velocity (m/sec):	5.16
Fuel Used:	-	Volume of Air Sampled in NM3:	1.047

Sr.No	Parameters*	Results	Unit	Test Method	Norms
1	Hydrogen Fluoride	1.17	mg/Nm ³	EPA Method 26 A	6
2	HCL	BQL (QL=0.04)	mg/Nm ³	EPA Method 26A	20

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Wet Scrubber.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN324C/51/V98/03

Reporting Date: 25/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN324C/51/V98/03	Sampling Date:	18/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/05/2023
Sample Type:	Stack	Analysis start- End Date:	21/05/2023-24/05/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	81
Stack Attached To:	Annealing Furnace-II	Stack gas velocity (m/sec):	6.11
Fuel Used:	BFG/LPG	Volume of Air Sampled in NM3:	1.055

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	13.55	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	14	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	27	ppm	GGMPL/SOP/SEA/68	50

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN365C/51/V103/03

Reporting Date: 01/06/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN365C/51/V103/03	Sampling Date:	24/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/05/2023
Sample Type:	Stack	Analysis start- End Date:	29/05/2023-31/05/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	37
Stack Attached To:	Core Shop-2	Stack gas velocity (m/sec):	3.94
Fuel Used:	-	Volume of Air Sampled in NM3:	0.797

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	24.34	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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**Bag House
Performance
Evaluation
Report**

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN231C/51/V90/03

Reporting Date: 18/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN231C/51/V90/03	Sampling Date:	09/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	11/05/2023
Sample Type:	Stack	Analysis start- End Date:	12/05/2023-17/05/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	38
Stack Attached To:	De-dusting Stack-1	Stack gas velocity (m/sec):	10.91
Fuel Used:	-	Volume of Air Sampled in NM3:	0.999

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2356.78	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	3.34	mg/Nm ³	IS 11255- Part 1	100

STACK MONITORING: Plant Name: Blast Furnace-1; GPCB ID: 18037 / APCM-Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN231C/51/V90/03	De-dusting Stack-1	99.9
Plant Name: Blast Furnace -1; GPCB ID: 18037 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.
P. B. Pop

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN192C/51/V85/06

Reporting Date: 09/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN192C/51/V85/06	Sampling Date:	01/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	03/05/2023
Sample Type:	Stack	Analysis start- End Date:	04/05/2023-08/05/2023
Stack Height & Dia (m):	40 & 1.5	Stack Temperature (°C):	39
Stack Attached To:	De-dusting Stack-2	Stack gas velocity (m/sec):	12.43
Fuel Used:	-	Volume of Air Sampled in NM3:	1.147

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2767.19	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	25.10	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Blast Furnace 2; GPCB ID: 29026 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN192C/51/V85/06	De-Dusting Stack-2	99.1
Plant Name: Blast Furnace 2; GPCB ID: 29026 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Rup

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN195C/51/V86/02

Reporting Date: 09/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN195C/51/V86/02	Sampling Date:	02/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	04/05/2023
Sample Type:	Stack	Analysis start- End Date:	05/05/2023-08/05/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	137
Stack Attached To:	Sinter Furnace 1	Stack gas velocity (m/sec):	16.69
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.109

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3485.34	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	48.24	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Sinter Plant 1 GPCB ID : 35456/ APCM-ESP/Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN195C/51/V86/02	Sinter Furnace-1	98.6
Plant Name: Sinter Furnace-1; GPCB ID: 35456 / APCM-ESP/Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patil

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN256C/51/V91/03

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

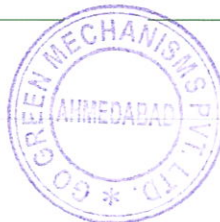
Lab ID:	Lab/PN256C/51/V91/03	Sampling Date:	10/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	12/05/2023
Sample Type:	Stack	Analysis start- End Date:	12/05/2023-15/05/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	128
Stack Attached To:	Sinter Furnace 2	Stack gas velocity (m/sec):	17.19
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.1732

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1723.24	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	33.63	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Sinter Plant 2; GPCB ID: 29017 / APCM-ESP/Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN256C/51/V91/03	Sinter Furnace 2	98.05
Plant Name: Sinter Plant 2; GPCB ID: 29017 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Raj

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN267C/51/V92/03

Reporting Date: 19/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN267C/51/V92/03	Sampling Date:	11/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Stack	Analysis start- End Date:	15/05/2023-18/05/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	47
Stack Attached To:	Mg Treatment	Stack gas velocity (m/sec):	10.71
Fuel Used:	-	Volume of Air Sampled in NM3:	0.928

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2635.94	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	25.39	mg/Nm ³	IS 11255- Part 1	50

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN267C/51/V92/03	Mg Treatment	99.1
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. P. P.

AUTHORIZED SIGNATURE

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN286C/51/V93/06

Reporting Date: 22/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN286C/51/V93/06	Sampling Date:	12/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Stack	Analysis start- End Date:	16/05/2023-20/05/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	41
Stack Attached To:	Zn Coating-6	Stack gas velocity (m/sec):	10.53
Fuel Used:	-	Volume of Air Sampled in NM3:	0.920

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2085.54	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	12.34	mg/Nm ³	IS 11255- Part 1	20

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krma Solanki





Authorized Signatory
Payal Patel

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN286C/51/V93/06	Zn Coating-6	99.4
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			

GO GREEN MECHANISMS PVT. LTD.

P. B. P.
AUTHORIZED SIGNATORY



CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN297C/51/V95/06

Reporting Date: 25/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN297C/51/V95/06	Sampling Date:	15/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	18/05/2023
Sample Type:	Stack	Analysis start- End Date:	19/05/2023-24/05/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	59
Stack Attached To:	Mg Converter-1	Stack gas velocity (m/sec):	11.71
Fuel Used:	-	Volume of Air Sampled in NM3:	0.963

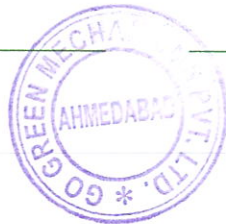
Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2077.59	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	21.86	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krma Solanki




Authorized Signatory
Payal Patel

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN297C/51/V95/06	Mg Converter-1	98.9
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Bhatt
AUTHORIZED SIGNATORY



Head Office & Lab

Dayal Estate, National Highway No.8, Opp APMC Market Gate-1, Jetalpur, District-Ahmedabad-382426 Gujarat. INDIA

Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN319C/51/V97/04

Reporting Date: 24/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

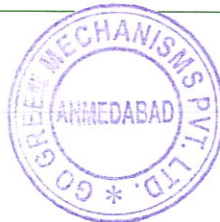
Lab ID:	Lab/PN319C/51/V97/04	Sampling Date:	17/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	19/05/2023
Sample Type:	Stack	Analysis start- End Date:	20/05/2023-23/05/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	40
Stack Attached To:	Zn Coating-2	Stack gas velocity (m/sec):	10.53
Fuel Used:	-	Volume of Air Sampled in NM3:	0.928

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1642.41	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	17.33	mg/Nm ³	IS 11255- Part 1	20

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter / Cyclone Separator.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN319C/51/V97/03	Zn Coating-2	99.0

Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter/ Cyclone separator.



GO GREEN MECHANISMS PVT. LTD.

P. B. Purohit

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN324C/51/V98/02

Reporting Date: 25/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN324C/51/V98/02	Sampling Date:	18/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/05/2023
Sample Type:	Stack	Analysis start- End Date:	21/05/2023-24/05/2023
Stack Height & Dia (m):	30 & 0.5	Stack Temperature (°C):	319
Stack Attached To:	Mg Converter-2	Stack gas velocity (m/sec):	11.54
Fuel Used:	-	Volume of Air Sampled in NM3:	0.982

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3072.89	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	30.49	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krma Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN324C/51/V98/02	Mg Conerter-2	99.0
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Puro

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN328C/51/V99/06

Reporting Date: 30/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN328C/51/V99/06	Sampling Date:	19/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	22/05/2023
Sample Type:	Stack	Analysis start- End Date:	23/05/2023-29/05/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	38
Stack Attached To:	Zn Coating Machine FL-7	Stack gas velocity (m/sec):	10.11
Fuel Used:	-	Volume of Air Sampled in NM3:	0.885

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3168.14	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	18.36	mg/Nm ³	IS 11255- Part 1	20

STACK MONITORING Plant Name: Pipe Plant; GPCB ID : 18036 / APCM-Bag Filter

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By
Krma Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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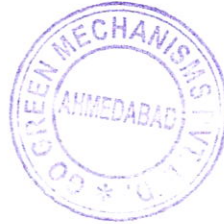
To,

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

This is to represent that our lab has carried out sampling of following stack and the removal efficiency of stack has been calculated as per below the information:

Sr. No.	Reports No.	Stack Name	% Efficiency calculated to be
01.	GGMPL/PN328C/51/V99/06	Zn Coating Machine FL-7	99.4
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. P. P.

AUTHORIZED SIGNATORY

**Ambient Noise
Monitoring
Report**

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN210C/51/V87/07

Reporting Date: 15/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 05/05/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN210C/51/V87/07	Old Colony	Day Time	db(A)Leq	IS 9989	50.4	55
2	Lab/PN210C/51/V87/07	Old Colony	Night Time	dB(A)Leq	IS 9989	42.5	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:40.8 ,Max:54.8 Value in dB(A) Night Time: Min:35.8 ,Max:44.3

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN219C/51/V88/03

Reporting Date: 15/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 06/05/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN219C/51/V88/03	Spiral-2 Pipe Storage Yard	Day Time	db(A)Leq	IS 9989	52.4	75
2	Lab/PN219C/51/V88/03	Spiral-2 Pipe Storage Yard	Night Time	dB(A)Leq	IS 9989	46.9	70

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:44.1 ,Max:56.2 Value in dB(A) Night Time: Min:36.8 ,Max:49.2

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN286C/51/V93/08

Reporting Date: 25/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 12/05/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN286C/51/V93/08	Vikaspuram	Day Time	db(A)Leq	IS 9989	51.5	55
2	Lab/PN286C/51/V93/08	Vikaspuram	Night Time	dB(A)Leq	IS 9989	42.2	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:40.3 ,Max:54.8 Value in dB(A) Night Time: Min:38.7 ,Max:44.3

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN294C/51/V94/07

Reporting Date: 23/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 13/05/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN294C/51/V94/07	School Building	Day Time	db(A)Leq	IS 9989	51.9	55
2	Lab/PN294C/51/V94/07	School Building	Night Time	dB(A)Leq	IS 9989	43.2	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:41.3 ,Max:56.5 Value in dB(A) Night Time: Min:37.8 ,Max:44.5

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN342C/51/V100/04

Reporting Date: 29/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 20/05/2023
Sample Description: Ambient Noise


Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN342C/51/V100/04	Main Gate	Day Time	db(A)Leq	IS 9989	52.7	75
2	Lab/PN342C/51/V100/04	Main Gate	Night Time	dB(A)Leq	IS 9989	42.5	70

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:43.1 ,Max:59.4 Value in dB(A) Night Time: Min:39.4 ,Max:48.6

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit


Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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Workzone Noise Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN294C/51/V94/08

Reporting Date: 23/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 13/05/2023
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN294C/51/V94/08A	Control Room	Day Time	dB(A)Leq	IS 4758	54.0	85
2	Lab/PN294C/51/V94/08B	Opp. Control Room	Day Time	dB(A)Leq	IS 4758	57.2	85
3	Lab/PN294C/51/V94/08C	Laboratory	Day Time	dB(A)Leq	IS 4758	55.8	85
4	Lab/PN294C/51/V94/08D	Blower House Control Room	Day Time	dB(A)Leq	IS 4758	63.9	85

WORKZONE NOISE LEVEL MONITORING Plant Name: Blast Furnace-1 GPCB ID : 18037, Norms As Per Factory Act 1948 (8 hr per day exposure).

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN219C/51/V88/04

Reporting Date: 15/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 06/05/2023
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN219C/51/V88/04A	Control Room	Day Time	dB(A)Leq	IS 4758	53.9	85
2	Lab/PN219C/51/V88/04B	Cast House	Day Time	dB(A)Leq	IS 4758	68.0	85
3	Lab/PN219C/51/V88/04C	Stock House	Day Time	dB(A)Leq	IS 4758	62.3	85
4	Lab/PN219C/51/V88/04D	Blower House	Day Time	dB(A)Leq	IS 4758	73.5	85

WORKZONE NOISE LEVEL MONITORING Plant Name: Blast Furnace-2 GPCB ID : 29026, Norms As Per Factory Act 1948 (8 hr per day exposure).

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN256C/51/V91/06

Reporting Date: 16/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS


Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 10/05/2023
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN256C/51/V91/06A	Sinter-1 Control Room	Day Time	dB(A)Leq	IS 4758	60.7	85
2	Lab/PN256C/51/V91/06B	Sinter Machine Area	Day Time	dB(A)Leq	IS 4758	74.2	85
3	Lab/PN256C/51/V91/06C	Nr Flux Building	Day Time	dB(A)Leq	IS 4758	65.3	85

WORKZONE NOISE LEVEL MONITORING Plant Name: Sinter Plant-1 GPCB ID: 35456, Norms As Per Factory Act 1948 (8 hr per day exposure).

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit


Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN225C/51/V89/07

Reporting Date: 16/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 08/05/2023
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN225C/51/V89/07A	Control Room	Day Time	dB(A)Leq	IS 4758	49.2	85
2	Lab/PN225C/51/V89/07B	Machine Area	Day Time	dB(A)Leq	IS 4758	52.9	85
3	Lab/PN225C/51/V89/07C	Proportional Building	Day Time	dB(A)Leq	IS 4758	54.2	85

WORKZONE NOISE LEVEL MONITORING Plant Name: Sinter Plant 2; GPCB ID: 29017, Norms As Per Factory Act 1948 (8 hr per day exposure).

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By
Krma Solanki



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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN410C/50/V105/01

Reporting Date: 30/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 27/05/2023
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN410C/50/V105/01A	DISP CCM Area	Day Time	dB(A)Leq	IS 4758	68.9	85
2	Lab/PN410C/50/V105/01B	SDP 1 Annealing Control Room	Day Time	dB(A)Leq	IS 4758	61.2	85
3	Lab/PN410C/50/V105/01C	Mould Shop	Day Time	dB(A)Leq	IS 4758	70.5	85
4	Lab/PN410C/50/V105/01D	Pickling & Passivation	Day Time	dB(A)Leq	IS 4758	64.3	85
5	Lab/PN410C/50/V105/01E	ETP	Day Time	dB(A)Leq	IS 4758	71.5	85
6	Lab/PN410C/50/V105/01F	Coating Shot Blasting	Day Time	dB(A)Leq	IS 4758	73.8	85
7	Lab/PN410C/50/V105/01G	Spiral ID/OD	Day Time	dB(A)Leq	IS 4758	65.0	85
8	Lab/PN410C/50/V105/01H	FL-7 Coating Control Room	Day Time	dB(A)Leq	IS 4758	69.3	85

WORKZONE NOISE LEVEL MONITORING Plant Name: Pipe Plant GPCB ID : 18036, Norms As Per Factory Act 1948 (8 hr per day exposure).

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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Form -37


Form No. 37

(Prescribed under Rule 12-B)


Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: **Blast Furnace-1 at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18037)**
- 2 Raw materials, by products and finished products involved in the process. **Iron ore,Sinter,Coke etc,Bf Slag & Hot Metal**
- 3 Particulars of sampling

Date of Sampling : 13.05.2023

Sr. No	Location Operation monitored	Identified Contaminant	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Cast House	CO	CO Analyzer	2	2.63 mg/m ³ 2.35 mg/m ³	2.49 mg/m ³	40 mg/m ³	IS 5182 (Part-10)	3	-		Pankil
				2	2.57 mg/m ³ 2.25 mg/m ³	2.41 mg/m ³	10 mg/m ³					
		RSPM	Handy Sampler	2	68.4 dB 71.4 dB	69.9 dB	85 dB	NIOSH-0600 IS 4758				
				2	71.4 dB	69.9 dB	85 dB					



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AUTHORIZED SIGNATORY

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant: **Sinter Plant-2 first floor at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:29017)**
- 2 Raw materials, by products and finished products involved in the process. **Lime Stone,Coke, Dolomite etc & Sinter**
- 3 Particulars of sampling

Date of Sampling : 08.05.2023

Sr. No	Location Operation monitored	Identified Contaminante	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Sinter -2 First Floor	CO	CO Analyzer	2	1.86 mg/m ³	2.61 mg/m ³	40 mg/m ³	IS 5182 (Part-10)	4			Pankil
					3.35 mg/m ³							
		RSPM	Handy Sampler	2	2.24 mg/m ³	2.46 mg/m ³	10 mg/m ³	NIOSH-0600				
		Noise	Noise Meter	2	71.3 dB	68.1 dB	85 dB	IS 4758				



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P.B.P.P

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Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process. **Hot Metal, Mg/Zn, ms Scrap, Cement etc & DI pipe**
- 3 Particulars of sampling

Date of Sampling : 11.05.2023

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	SDP-2 Induction	VOC	Low Volume Pump	2	4.7 mg/m ³ 5.4 mg/m ³	5.05 mg/m ³	40 mg/m ³	IS 5182 (Part-11)	3	-		Pankil
		RSPM	Handy Sampler	2	1.76 mg/m ³ 2.65 mg/m ³	2.21 mg/m ³	10 mg/m ³	NIOSH-0600				
		Noise	Noise Meter	2	70.4 dB 60.2 dB	65.3 dB	85 dB	IS 4758				



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Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process: **Hot Metal, Mg, Zn, ms Scrap, Cement etc & DI pipe**
- 3 Particulars of sampling

Date of Sampling : 13.05.2023

Sr. No	Location Operation monitored	Identified Contaminante	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	2	3	4	5	6	7	8	9	10	11	12	13
					Range							
1	DISP CCM Area	Noise	Noise Meter	2	1.92 mg/m ³	2.12 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
					2.32 mg/m ³							
					68.0 dB							



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Form No. 37

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Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant: **Pipe Plant at JINDAL SAW LIMITED, Samaghoha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process. **SS Plate, Saw Wire, Flux and SSL Saw Pipe**
- 3 Particulars of sampling

Date of Sampling : 16.05.2023

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule) mg/m ³	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)	
				Number of sample	Range	Average							
1	Pickling and Passivation Area	RSPM	Handy Sampler	2	3.15 mg/m ³	2.70 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil	
					2.25 mg/m ³								
		Noise	Noise Meter	2	72.4 dB	70.25 dB							85 dB
		68.1 dB											
HF	Handy Sampler	2	BQL	BQL	2.5 mg/m ³	NIOSH-7903	4	-		Pankil			
		HNO ₃	Handy Sampler	2	BQL	BQL	5 mg/m ³	NIOSH-7903				Pankil	



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P. B. R. P.

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process. **Hot Metal,Mg,Zn,ms Scrap,Cement etc & DI pipe**
- 3 Particulars of sampling

Date of Sampling : 20.05.2023

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	SDP 2 Bitumin Area	RSPM	Handy Sampler	2	2.50 mg/m ³	2.37 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
					2.23 mg/m ³							
		Noise	Noise Meter	2	71.2 dB	69.85 dB	85 dB	IS 4758				
					68.5 dB							
VOC	Low Volume Pump	2	4.9 mg/m ³	4.8 mg/m ³	-	IS 5182 Part-11						



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P. B. Jadhav

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Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant: LPG YARD at JINDAL SAW LIMITED (IPU-Samaghogha)
- 2 Raw materials, by-products and finished products involving in the process-- LPG Gas
- 3 Particulars of sampling- (1) LEL (%)

Date of Sampling : 26.05.2023

Sr. No	Location/ Operation/ monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination		TWA concentration (As given in Second Schedule)		Reference Method	Number of workers exposed at the location being monitored	Remark	Signature of person taking samples	Name (in block letters)		
				Number of sample	Range	Average	LEL (%)						(mg/m ³)	LEL (%)
1	LPG YARD	LEL	Gas Detector	02	...	ND	...	2.3 (Propane)	...	LEL monitor	3	-		Pankil
		RSPM	Handy Sampler	02	2.25 mg/m ³ 1.77 mg/m ³	2.01 mg/m ³	10 mg/m ³	NIOSH-0600						
		Noise	Noise Meter	02	72.3 dB 67.8 dB	70.05 dB	85 dB	IS 4758						



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Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process. **MS Pipe.**
- 3 Particulars of sampling

Date of Sampling : 31.05.2023

Sr. No	Location Operation monitored	Identified Contaminante	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule) mg/m ³	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Coating 1 Id & OD Area	RSPM	Handy Sampler	2	2.21 mg/m ³ 1.72 mg/m ³	1.97 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
				2	71.9 dB 68.5 dB	70.2 dB	85 dB					
		Noise	Noise Meter									



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AUTHORIZED SIGNATORY

P. B. Joshi


P

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process. **Saw Wire, Flux etc & SS LSAW Pipe.**
- 3 Particulars of sampling

Date of Sampling : 31.05.2023

Sr. No	Location Operation monitored	Identified Contaminante	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Spiral Id and OD Area	RSPM	Handy Sampler	2	2.79 mg/m ³ 1.77 mg/m ³	2.28 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
		Noise	Noise Meter	2	71.4 dB 68.2 dB	69.8 dB	85 dB	IS 4758				



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AUTHORIZED SIGNATORY

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

- 1 Name of the Department/Plant.: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
- 2 Raw materials, by products and finished products involved in the process. **MS Pipe, PE Paint.**
- 3 Particulars of sampling

Date of Sampling : 31.05.2023

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	Coating 2- Application Area	RSPM	Handy Sampler	2	2.24 mg/m ³ 2.87 mg/m ³	2.54 mg/m ³	10 mg/m ³	NIOSH-0600	4			Pankil
				2	71.6 dB	69.9 dB	85 dB					
					66.9 dB							
		VOG	Low Volume Pump	2	4.2 mg/m ³ 4.7 mg/m ³	4.45 mg/m ³	40 mg/m ³	IS 5182(Part-11)				



GO GREEN MECHANISMS PVT. LTD.

R. B. Pab

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Wastewater Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN294C/51/V94/01

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 23/05/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/01	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	STP Outlet	Analysis End Date:	22/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

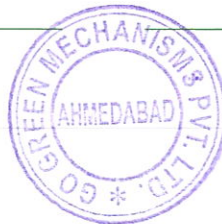
Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.39	-	IS 3025- Part 11	6.5 to 8.5
2	Total Dissolved Solids	950.00	mg/L	APHA 23rd Edn 2540 C	NS
3	Total Suspended Solids	BQL (QL=10)	mg/L	APHA 23rd Edn 2540 D	100
4	Chemical Oxygen Demand	20.00	mg/L	APHA 23rd Edn 5220 B	50
5	BOD at 20°C – 5 Days	5.25	mg/L	APHA 23rd Edn 5210 B	30

Plant Name: Blast Furnace-1; GPCB ID: 18037.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Kry

Analyzed By
Krima Solanki



P.B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN294C/51/V94/01A

Reporting Date : 23/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/01	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	STP Outlet	Analysis End Date:	22/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters*	Results	Unit	Test Method	Norm
1	Feacal Coliform	Absent	mpn/100mL	IS 1622	1000 MPN/100ml

Plant Name: Blast Furnace-1; GPCB ID: 18037.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN294C/51/V94/02

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

Reporting Date : 22/05/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/02	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	STP Inlet	Analysis End Date:	20/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.58	-	IS 3025- Part 11	-
2	Total Dissolved Solids	1074.00	mg/L	APHA 23rd Edn 2540 C	-
3	Total Suspended Solids	104.00	mg/L	APHA 23rd Edn 2540 D	-
4	Chemical Oxygen Demand	110.00	mg/L	APHA 23rd Edn 5220 B	-
5	BOD at 20°C – 5 Days	32.00	mg/L	APHA 23rd Edn 5210 B	-

Plant Name: Blast Furnace-1; GPCB ID: 18037.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN294C/51/V94/02A

Reporting Date : 22/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/02	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	STP Inlet	Analysis End Date:	20/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters*	Results	Unit	Test Method	Norm
1	Feacal Coliform	79	mpn/100mL	IS 1622	-

Plant Name: Blast Furnace-1; GPCB ID: 18037.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



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Report Number: GGMPL/PN294C/51/V94/03

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

Reporting Date : 23/05/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/03	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	ETP Outlet	Analysis End Date:	22/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.21	-	IS 3025- Part 11	6.5 to 8.5
2	Temperature °C	27.0	°C	APHA 23rd Edn 2550 B	40
3	Color	BQL (QL=1)	CU	IS 3025- Part 4	100
4	Iron as Fe	BQL (QL=0.1)	mg/L	APHA 23rd Edn 3120 B	3
5	Sulphate	126.02	mg/L	APHA 23rd Edn 4500 SO4 E	1000
6	Fluoride	0.52	mg/L	APHA 23rd Edn 4500 F D	2
7	Phenolic compounds	BQL (QL=0.01)	mg/L	IS 3025- Part 43	1
8	Total Dissolved Solids	994.00	mg/L	APHA 23rd Edn 2540 C	2100
9	Total Suspended Solids	BQL (QL=10)	mg/L	APHA 23rd Edn 2540 D	100
10	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	10
11	Chloride	244.92	mg/L	IS 3025- Part 32	600
12	Chemical Oxygen Demand	80.00	mg/L	APHA 23rd Edn 5220 B	100

Plant Name: Pipe Plant; GPCB ID : 18036.

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



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Krima Solanki




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Payal Patel

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Report Number: GGMPL/PN294C/51/V94/03

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 23/05/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/03	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	ETP Outlet	Analysis End Date:	22/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
13	Ammonical Nitrogen	8.12	mg/L	APHA 23rd Edn 4500 NH3 C	50
14	Sulphide	BQL (QL=0.2)	mg/L	APHA 23rd Edn 4500 S2 F	5
15	BOD at 27 o C for 3 days	23.00	mg/L	IS 3025- Part 44	30
16	Sodium	0.0138	%	APHA 23rd Edn 3120 B	-
17	Zinc as Zn	BQL (QL=0.05)	mg/L	APHA 23rd Edn 3120 B	10
18	Sodium Absorption Ratio	1.59	-	GGMPL/SOP/W/52	26

Plant Name: Pipe Plant; GPCB ID : 18036.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



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Report Number: GGMPL/PN294C/51/V94/04

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

Reporting Date : 23/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN294C/51/V94/04	Sampling Date:	13/05/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/05/2023
Sample Type:	Waste Water	Analysis Start Date:	16/05/2023
Sample Description:	BF SGP	Analysis End Date:	22/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.54	-	IS 3025- Part 11	6.5 to 8.5
2	Temperature °C	28.5	°C	APHA 23rd Edn 2550 B	40
3	Color	15	CU	IS 3025- Part 4	100
4	Sulphate	9.81	mg/L	APHA 23rd Edn 4500 SO4 E	1000
5	Phenolic compounds	BQL (QL=0.01)	mg/L	IS 3025- Part 43	1
6	Total Dissolved Solids	978.00	mg/L	APHA 23rd Edn 2540 C	2100
7	Total Suspended Solids	36.00	mg/L	APHA 23rd Edn 2540 D	100
8	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	10
9	Chloride	314.90	mg/L	IS 3025- Part 32	600
10	Chemical Oxygen Demand	45.00	mg/L	APHA 23rd Edn 5220 B	100
11	Ammonical Nitrogen	10.64	mg/L	APHA 23rd Edn 4500 NH3 C	50
12	BOD at 27 o C for 3 days	12.0	mg/L	IS 3025- Part 44	30

Plant Name: Blast Furnace-1 GPCB ID : 18037.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



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Krima Solanki




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Payal Patel

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