

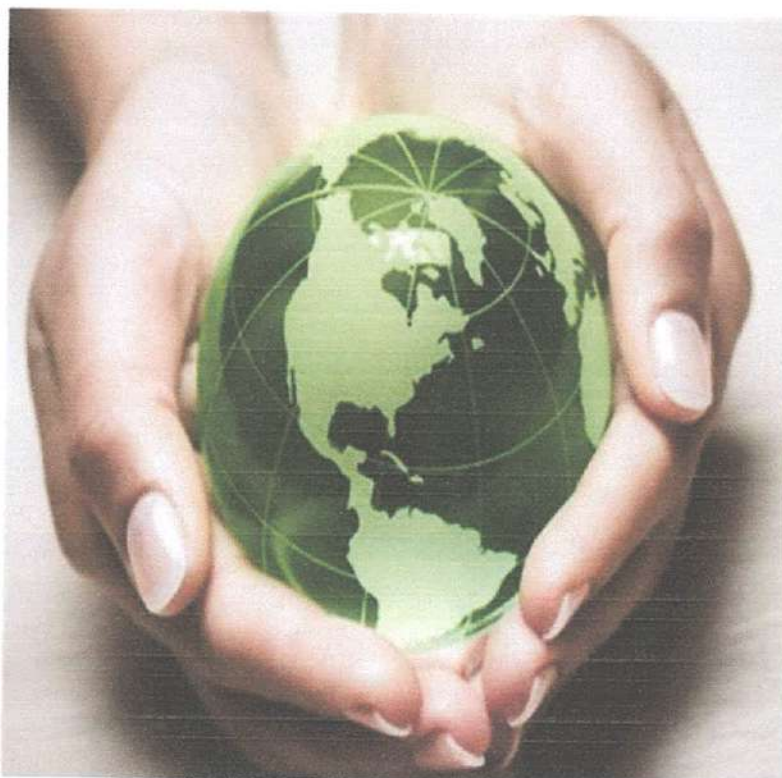
Report Issued to:

JINDAL SAW LIMITED

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

ENVIRONMENTAL MONTHLY MONITORING REPORT

MONTH OF APRIL'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

Email: lab@gogreenmechanisms.com



Ambient Air Report

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/PN04C/51/V63/01

Reporting Date: 10/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN04C/51/V63/01	Sampling Start Date:	03/04/2023 (09:38 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/04/2023 (09:38 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	07/04/2023-10/04/2023
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)	65.70	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.08	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.39	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.27	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN04C/51/V63/02

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 10/04/2023



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN04C/51/V63/02	Sampling Start Date:	03/04/2023 (10:04 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/04/2023 (10:04 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/04/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	07/04/2023-10/04/2023
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)	62.64	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.74	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.59	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.79	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN04C/51/V63/03

Reporting Date: 10/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN04C/51/V63/03	Sampling Start Date:	03/04/2023 (10:26 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/04/2023 (10:26 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/04/2023
Sample Description:	STP	Analysis start- End Date:	07/04/2023-10/04/2023
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)	67.02	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.66	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.38	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.64	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN04C/51/V63/04

Reporting Date: 10/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN04C/51/V63/04	Sampling Start Date:	03/04/2023 (10:57 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/04/2023 (10:57 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	07/04/2023-10/04/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

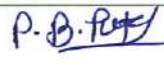
Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	66.95	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.33	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.20	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.53	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/ PN33C/51/V66/01

Reporting Date: 15/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN33C/51/V66/01	Sampling Start Date:	07/04/2023 (09:46 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/04/2023(09:46 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	11/04/2023-14/04/2023
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)	68.59	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.99	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.33	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.25	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN33C/51/V66/02

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN33C/51/V66/02	Sampling Start Date:	07/04/2023 (10:01 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/04/2023(10:01 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/04/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	11/04/2023-15/04/2023
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)	66.12	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.38	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.73	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN33C/51/V66/03

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN33C/51/V66/03	Sampling Start Date:	07/04/2023 (10:32 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/04/2023(10:32 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/04/2023
Sample Description:	STP	Analysis start- End Date:	11/04/2023-15/04/2023
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)	69.06	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.49	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.06	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.06	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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Analyzed By
Krima Solanki




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Payal Patel

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CERTIFICATE OF ANALYSIS

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Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN33C/51/V66/04	Sampling Start Date:	07/04/2023 (10:57 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/04/2023(10:57 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	10/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	11/04/2023-15/04/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

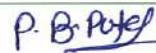
Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	68.21	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.99	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.66	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.51	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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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/PN47C/51/V68/01

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 19/04/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN47C/51/V68/01	Sampling Start Date:	10/04/2023(09:46 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/04/2023(09:46 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	13/04/2023-18/04/2023
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)	64.45	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)	15.10	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	23.29	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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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Head Office & Lab

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN47C/51/V68/02

Reporting Date: 19/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN47C/51/V68/02	Sampling Start Date:	10/04/2023(10:07 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/04/2023(10:07 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/04/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	13/04/2023-18/04/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

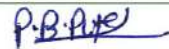
Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	63.58	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.08	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	15.45	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.52	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN47C/51/V68/03

Reporting Date: 19/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN47C/51/V68/03	Sampling Start Date:	10/04/2023(10:28 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/04/2023(10:28 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/04/2023
Sample Description:	STP	Analysis start- End Date:	13/04/2023-18/04/2023
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)	66.62	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.61	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.21	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN47C/51/V68/04

Reporting Date: 19/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN47C/51/V68/04	Sampling Start Date:	10/04/2023(10:56 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/04/2023(10:56 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	13/04/2023-18/04/2023
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)	65.25	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.24	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	15.01	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.21	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	1.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/ PN86C/51/V72/01

Reporting Date: 22/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN86C/51/V72/01	Sampling Start Date:	14/04/2023(09:56 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/04/2023(09:56 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	18/04/2023-21/04/2023
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)	69.68	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m ³	GGMP/ SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	17.08	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	26.58	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	GGMP/ SOP/MP/01	NS
7	Average Wind Speed	3.4	Km/Hrs	GGMP/ SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN86C/51/V72/02

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 22/04/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN86C/51/V72/02	Sampling Start Date:	14/04/2023(10:18 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/04/2023(10:18 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/04/2023
Sample Description:	Spiral-02 Pipe Storage yard	Analysis start- End Date:	18/04/2023-21/04/2023
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)	66.75	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)	16.81	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.21	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	3.4	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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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/PN86C/51/V72/03

Reporting Date: 22/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN86C/51/V72/03	Sampling Start Date:	14/04/2023(10:42 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/04/2023(10:42 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/04/2023
Sample Description:	STP	Analysis start- End Date:	18/04/2023-21/04/2023
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)	69.04	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.91	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	16.41	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	25.06	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	3.4	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN86C/51/V72/04

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date: 22/04/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN86C/51/V72/04	Sampling Start Date:	14/04/2023(11:05 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/04/2023(11:05 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	18/04/2023-21/04/2023
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)	69.11	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.33	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.81	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	21.36	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	3.4	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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

Kelish
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/PN102C/51/V74/01

Reporting Date: 26/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN102C/51/V74/01	Sampling Start Date:	17/04/2023(09:46 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/04/2023(09:46 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	20/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	21/04/2023-25/04/2023
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)	63.39	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.08	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.18	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.34	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/ PN102C/51/V74/02

Reporting Date: 26/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN102C/51/V74/02	Sampling Start Date:	17/04/2023(10:17 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/04/2023(10:17 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	20/04/2023
Sample Description:	Spiral-02 Pipe Storage yard	Analysis start- End Date:	21/04/2023-25/04/2023
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)	62.44	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m ³	GGMP/ SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.41	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.76	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	NW	Direction	GGMP/ SOP/MP/01	NS
7	Average Wind Speed	2.0	Km/Hrs	GGMP/ SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN102C/51/V74/03

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN102C/51/V74/03	Sampling Start Date:	17/04/2023(10:33 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/04/2023(10:33 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	20/04/2023
Sample Description:	STP	Analysis start- End Date:	21/04/2023-25/04/2023
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)	64.90	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)	13.56	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.65	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN102C/51/V74/04

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN102C/51/V74/04	Sampling Start Date:	17/04/2023(10:52 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/04/2023(10:52 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	20/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	21/04/2023-25/04/2023
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)	66.44	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	15.16	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.21	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	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN134C/51/V77/01

Reporting Date: 01/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN134C/51/V77/01	Sampling Start Date:	21/04/2023 (09:49 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/04/2023 (09:49 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	25/04/2023-29/04/2023
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)	67.63	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)	16.40	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	29.90	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-APRIL.

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/PN134C/51/V77/02

Reporting Date: 01/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN134C/51/V77/02	Sampling Start Date:	21/04/2023 (10:17 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/04/2023 (10:17 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/04/2023
Sample Description:	Spiral-02 Pipe Storage yard	Analysis start- End Date:	25/04/2023-29/04/2023
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)	68.36	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)	15.34	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.82	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	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN134C/51/V77/03

Reporting Date: 01/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN134C/51/V77/03	Sampling Start Date:	21/04/2023 (10:30 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/04/2023 (10:30 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/04/2023
Sample Description:	STP	Analysis start- End Date:	25/04/2023-29/04/2023
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/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.74	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.00	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.49	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	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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 : GGMP/134C/51/V77/04

Reporting Date: 01/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN134C/51/V77/04	Sampling Start Date:	21/04/2023 (10:59 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/04/2023 (10:59 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	25/04/2023-29/04/2023
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)	63.61	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.49	µg/m3	GGMP/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.51	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.28	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	GGMP/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMP/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/ PN142C/51/V79/01

Reporting Date: 01/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073


SAMPLE DETAILS

Lab ID:	Lab/PN142C/51/V79/01	Sampling Start Date:	24/04/2023(09:48 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/04/2023(09:48 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	27/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	27/04/2023-30/04/2023
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)	69.73	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.24	µg/m3	GGMP/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.94	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.58	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	GGMP/SOP/MP/01	NS
7	Average Wind Speed	3.6	Km/Hrs	GGMP/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/ PN142C/51/V79/02

Reporting Date: 01/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN142C/51/V79/02	Sampling Start Date:	24/04/2023(10:16 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/04/2023(10:16 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	27/04/2023
Sample Description:	Spiral-02 Pipe Storage yard	Analysis start- End Date:	27/04/2023-30/04/2023
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)	71.48	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.66	µg/m3	GGMP/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.81	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.91	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	GGMP/SOP/MP/01	NS
7	Average Wind Speed	3.6	Km/Hrs	GGMP/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN142C/51/V79/03

Reporting Date: 01/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN142C/51/V79/03	Sampling Start Date:	24/04/2023(10:29 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/04/2023(10:29 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	27/04/2023
Sample Description:	STP	Analysis start- End Date:	27/04/2023-30/04/2023
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)	73.26	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.58	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	15.30	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	27.06	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	3.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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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Head Office & Lab

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN142C/51/V79/04

Reporting Date: 01/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN142C/51/V79/04	Sampling Start Date:	24/04/2023(10:57 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/04/2023(10:57 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	27/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	27/04/2023-30/04/2023
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)	65.59	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)	11.21	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.06	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	3.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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


Analyzed By
Krima Solanki




Authorized Signatory
Payaal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN173C/51/V83/01

Reporting Date: 03/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN173C/51/V83/01	Sampling Start Date:	28/04/2023(09:58 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/04/2023(09:58 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/04/2023
Sample Description:	Old Colony	Analysis start- End Date:	30/04/2023-02/05/2023
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)	66.29	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)	14.49	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	24.30	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	2.2	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN173C/51/V83/02

Reporting Date: 03/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN173C/51/V83/02	Sampling Start Date:	28/04/2023(10:20 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/04/2023(10:20 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/04/2023
Sample Description:	Spiral-02 Pipe Storage yard	Analysis start- End Date:	30/04/2023-02/05/2023
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)	67.65	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)	13.43	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.28	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	2.2	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN173C/51/V83/03

Reporting Date: 03/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN173C/51/V83/03	Sampling Start Date:	28/04/2023(10:46 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/04/2023(10:46 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/04/2023
Sample Description:	STP	Analysis start- End Date:	30/04/2023-02/05/2023
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)	68.23	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.99	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.12	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.35	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	2.2	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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/PN173C/51/V83/04

Reporting Date: 03/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN173C/51/V83/04	Sampling Start Date:	28/04/2023(11:06 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/04/2023(11:06 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/04/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	30/04/2023-02/05/2023
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)	61.69	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)	10.36	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.51	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	2.2	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-APRIL.

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**

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/PN53C/51/V69/01

Reporting Date: 19/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN53C/51/V69/01	Sampling Start Date:	11/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	13/04/2023
Sample Description:	BF-1 De Dusting	Analysis start- End Date:	14/04/2023-18/04/2023
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	28.86	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO2)	16.96	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m3	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	2518.14	µg/m3	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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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/PN53C/51/V69/02

Reporting Date: 19/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN53C/51/V69/02	Sampling Start Date:	11/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	13/04/2023
Sample Description:	BF-1 Ground Hopper	Analysis start- End Date:	14/04/2023-18/04/2023
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	25.82	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO2)	15.90	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL(QL=0.01)	mg/m3	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	1816.49	µg/m3	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/PN40C/51/V67/01

Reporting Date: 15/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN40C/51/V67/01	Sampling Start Date:	08/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	10/04/2023
Sample Description:	BF 2 De Dusting	Analysis start- End Date:	11/04/2023-15/04/2023
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	28.86	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	16.91	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m3	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	2119.59	µg/m3	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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN156C/51/V81/06

Reporting Date: 03/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/06	Sampling Start Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	28/04/2023
Sample Description:	BF-2 Cast House	Analysis start- End Date:	28/04/2023-02/05/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	08
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	26.58	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	15.89	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)	2239.43	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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN91C/51/V73/01

Reporting Date: 24/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN91C/51/V73/01	Sampling Start Date:	15/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	18/04/2023
Sample Description:	Sinter RMH yard	Analysis start- End Date:	19/04/2023-22/04/2023
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	26.58	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	21.40	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)	2428.26	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
Krma Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN139C/51/V78/01

Reporting Date: 28/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN139C/51/V78/01	Sampling Start Date:	22/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	24/04/2023
Sample Description:	SDP-2 Induction	Analysis start- End Date:	25/04/2023-27/04/2023
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	21.27	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	13.77	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)	1217.60	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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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN139C/51/V78/02

Reporting Date: 28/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN139C/51/V78/02	Sampling Start Date:	22/04/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/04/2023
Sample Type:	Fugitive	Sample Receipt Date:	24/04/2023
Sample Description:	SDP-2 CCM Area	Analysis start- End Date:	25/04/2023-27/04/2023
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	24.79	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO2)	11.92	µg/m ³	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m3	IS 5182 (part 10)	10 For 1 hr
4	Suspended Particulate Matter (SPM)	1590.34	µg/m3	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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**Stack
Monitoring
Report**

CERTIFICATE OF ANALYSIS

Report Number: GGMP/PL/PN04C/51/V63/05

Reporting Date: 10/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN04C/51/V63/05	Sampling Date:	03/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/04/2023
Sample Type:	Stack	Analysis start- End Date:	07/04/2023-10/04/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	37
Stack Attached To:	De-dusting Stack-1	Stack gas velocity (m/sec):	9.42
Fuel Used:	-	Volume of Air Sampled in NM3:	0.823

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	4.86	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

Krisha Solanki

P. B. Patel

Analyzed By
Krisha Solanki



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN71C/51/V71/01

Reporting Date: 21/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN71C/51/V71/01	Sampling Date:	13/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/04/2023
Sample Type:	Stack	Analysis start- End Date:	17/04/2023-20/04/2023
Stack Height & Dia (m):	45 & 1.4	Stack Temperature (°C):	145.95
Stack Attached To:	Boiler -1	Stack gas velocity (m/sec):	5.56
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.825

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	2.55	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	18.79	mg/Nm ³	GGMP/SOP/SEA/68	25
3	Sulphur Dioxide	13.09	mg/Nm ³	GGMP/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/PN71C/51/V71/02

Reporting Date: 21/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN71C/51/V71/02	Sampling Date:	13/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/04/2023
Sample Type:	Stack	Analysis start- End Date:	17/04/2023-20/04/2023
Stack Height & Dia (m):	45 & 1.4	Stack Temperature (°C):	149
Stack Attached To:	Boiler -II	Stack gas velocity (m/sec):	6.03
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.899

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	3.00	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	15.04	mg/Nm ³	GGMPL/SOP/SEA/68	25
3	Sulphur Dioxide	20.94	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

[Signature]

[Signature]

Analyzed By
Krma Solanki



Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN12C/51/V64/01

Reporting Date: 10/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN12C/51/V64/01	Sampling Date:	04/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/04/2023
Sample Type:	Stack	Analysis start- End Date:	07/04/2023-10/04/2023
Stack Height & Dia (m):	40 & 1.5	Stack Temperature (°C):	36
Stack Attached To:	De-dusting Stack-2	Stack gas velocity (m/sec):	9.60
Fuel Used:	-	Volume of Air Sampled in NM3:	0.900

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	21.66	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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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN161C/51/V82/03

Reporting Date: 02/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN161C/51/V82/03	Sampling Date:	27/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	29/04/2023
Sample Type:	Stack	Analysis start- End Date:	29/04/2023-01/05/2023
Stack Height & Dia (m):	65 & 1.4	Stack Temperature (°C):	151
Stack Attached To:	Stove Stack	Stack gas velocity (m/sec):	10.20
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.698

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	11.75	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Blast Furnace 2; GPCB ID: 29026.

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



Analyzed By
Krma Solanki




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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN115C/51/V76/01

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN115C/51/V76/01	Sampling Date:	19/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/04/2023
Sample Type:	Stack	Analysis start- End Date:	22/04/2023-25/04/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	133
Stack Attached To:	Sinter Furnace 1	Stack gas velocity (m/sec):	10.33
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.700

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	49.18	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	7.0	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	17.0	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



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Krima Solanki




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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN115C/51/V76/03

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN115C/51/V76/03	Sampling Date:	19/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/04/2023
Sample Type:	Stack	Analysis start- End Date:	22/04/2023-25/04/2023
Stack Height & Dia (m):	36.08 & 0.8	Stack Temperature (°C):	44
Stack Attached To:	Secondary Mixture Dum	Stack gas velocity (m/sec):	3.91
Fuel Used:	-	Volume of Air Sampled in NM3:	0.822

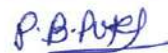
Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	38.81	mg/Nm ³	IS 11255- Part 1	150

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

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



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN156C/51/V81/07

Reporting Date: 03/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/07	Sampling Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	28/04/2023
Sample Type:	Stack	Analysis start- End Date:	28/04/2023-02/05/2023
Stack Height & Dia (m):	10.75 & 0.8	Stack Temperature (°C):	43
Stack Attached To:	Primary Mixture Drum	Stack gas velocity (m/sec):	4.28
Fuel Used:	-	Volume of Air Sampled in NM3:	0.859

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	29.33	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



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Report Number: GGMP/ PN22C/51/V65/02

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN22C/51/V65/02	Sampling Date:	05/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/04/2023
Sample Type:	Stack	Analysis start- End Date:	10/04/2023-14/04/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	129
Stack Attached To:	Sinter Furnace 2	Stack gas velocity (m/sec):	11.34
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.806

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	31.87	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	5.0	ppm	GGMP/SOP/SEA/68	100
3	Oxides of Nitrogen	17.0	ppm	GGMP/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



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN22C/51/V65/04

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN22C/51/V65/04	Sampling Date:	05/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/04/2023
Sample Type:	Stack	Analysis start- End Date:	10/04/2023-14/04/2023
Stack Height & Dia (m):	40 & 1.5	Stack Temperature (°C):	147
Stack Attached To:	Discharge End	Stack gas velocity (m/sec):	15.54
Fuel Used:	-	Volume of Air Sampled in NM3:	1.051

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	43.96	mg/Nm ³	IS 11255- Part 1	150

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

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



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Report Number: GGMPL/PN22C/51/V65/05

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN22C/51/V65/05	Sampling Date:	05/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/04/2023
Sample Type:	Stack	Analysis start- End Date:	10/04/2023-14/04/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	46
Stack Attached To:	Primary Mixture Drum	Stack gas velocity (m/sec):	4.49
Fuel Used:	-	Volume of Air Sampled in NM3:	0.876

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	31.18	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/PN33C/51/V66/05

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN33C/51/V66/05	Sampling Date:	07/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	10/04/2023
Sample Type:	Stack	Analysis start- End Date:	11/04/2023-15/04/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	56
Stack Attached To:	Mg Converter-1	Stack gas velocity (m/sec):	11.03
Fuel Used:	-	Volume of Air Sampled in NM3:	0.918

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	23.54	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
Krina Solanki




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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN53C/51/V69/03

Reporting Date: 19/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN53C/51/V69/03	Sampling Date:	11/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	13/04/2023
Sample Type:	Stack	Analysis start- End Date:	14/04/2023-18/04/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	37
Stack Attached To:	Zn Coating-6	Stack gas velocity (m/sec):	5.09
Fuel Used:	-	Volume of Air Sampled in NM3:	1.023

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	14.27	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
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN53C/51/V69/05

Reporting Date: 19/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN53C/51/V69/05	Sampling Date:	11/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	13/04/2023
Sample Type:	Stack	Analysis start- End Date:	14/04/2023-18/04/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	36
Stack Attached To:	Tri Grinding Section	Stack gas velocity (m/sec):	4.46
Fuel Used:	-	Volume of Air Sampled in NM3:	0.903

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	25.35	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



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Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN63C/51/V70/04

Reporting Date: 20/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN63C/51/V70/04	Sampling Date:	12/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	14/04/2023
Sample Type:	Stack	Analysis start- End Date:	15/04/2023-19/04/2023
Stack Height & Dia (m):	45 & 1.5	Stack Temperature (°C):	84
Stack Attached To:	Annealing Furnace-III	Stack gas velocity (m/sec):	6.08
Fuel Used:	BFG/LPG	Volume of Air Sampled in NM3:	1.061

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	16.87	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	17.0	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	29.0	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/PN114C/51/V75/01

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN114C/51/V75/01	Sampling Date:	18/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/04/2023
Sample Type:	Stack	Analysis start- End Date:	21/04/2023-25/04/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	36
Stack Attached To:	Pickling & Passivation	Stack gas velocity (m/sec):	8.61
Fuel Used:	-	Volume of Air Sampled in NM3:	0.798

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	4.64	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	10.0	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



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Krima Solanki




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Payal Patel

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Report Number: GGMPL/PN114C/51/V75/01A

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN114C/51/V75/01	Sampling Date:	18/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/04/2023
Sample Type:	Stack	Analysis start- End Date:	21/04/2023-25/04/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	36
Stack Attached To:	Pickling & Passivation	Stack gas velocity (m/sec):	8.61
Fuel Used:	-	Volume of Air Sampled in NM3:	0.798

Sr.No	Parameters*	Results	Unit	Test Method	Norms
1	Hydrogen Fluoride	1.11	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



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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN114C/51/V75/02

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN114C/51/V75/02	Sampling Date:	18/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/04/2023
Sample Type:	Stack	Analysis start- End Date:	21/04/2023-25/04/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	35
Stack Attached To:	Scrubber For Pigler	Stack gas velocity (m/sec):	5.26
Fuel Used:	-	Volume of Air Sampled in NM3:	1.71

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	7.75	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	9.0	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



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Krina Solanki




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Report Number: GGMPL/PN114C/51/V75/02A

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN114C/51/V75/02	Sampling Date:	18/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/04/2023
Sample Type:	Stack	Analysis start- End Date:	21/04/2023-25/04/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	35
Stack Attached To:	Scrubber For Pigler	Stack gas velocity (m/sec):	5.26
Fuel Used:	-	Volume of Air Sampled in NM3:	1.71

Sr.No	Parameters*	Results	Unit	Test Method	Norms
1	Hydrogen Fluoride	1.21	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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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN134C/51/V77/07

Reporting Date: 01/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN134C/51/V77/07	Sampling Date:	21/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/04/2023
Sample Type:	Stack	Analysis start- End Date:	25/04/2023-29/04/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	77
Stack Attached To:	Annealing Furnace-II	Stack gas velocity (m/sec):	6.24
Fuel Used:	BFG/LPG	Volume of Air Sampled in NM3:	1.114

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	11.49	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	12.0	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	19.0	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



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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN181C/51/V84/02

Reporting Date: 03/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN181C/51/V84/02	Sampling Date:	29/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	30/04/2023
Sample Type:	Stack	Analysis start- End Date:	01/05/2023-03/05/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	36
Stack Attached To:	Core Shop 3	Stack gas velocity (m/sec):	4.68
Fuel Used:	-	Volume of Air Sampled in NM3:	0.933

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	16.94	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



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**Bag House
Performance
Evaluation
Report**

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN04C/51/V63/06

Reporting Date: 10/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN04C/51/V63/06	Sampling Date:	03/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/04/2023
Sample Type:	Stack	Analysis start- End Date:	07/04/2023-10/04/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	39
Stack Attached To:	De-dusting Stack-1	Stack gas velocity (m/sec):	11.53
Fuel Used:	-	Volume of Air Sampled in NM3:	1.046

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2290.36	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	4.86	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

Krma Solanki

P. B. Patel

Analyzed By
Krima Solanki



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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/PN4C/51/V63/06	De-Dusting Stack-1	99.8
Plant Name: Blast Furnace 1; GPCB ID: 18037 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.



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/PN12C/51/V64/02

Reporting Date: 10/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN12C/51/V64/02	Sampling Date:	04/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/04/2023
Sample Type:	Stack	Analysis start- End Date:	07/04/2023-10/04/2023
Stack Height & Dia (m):	40.5 & 1.5	Stack Temperature (°C):	37
Stack Attached To:	De-dusting Stack-2	Stack gas velocity (m/sec):	12.37
Fuel Used:	-	Volume of Air Sampled in NM3:	1.132

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2669.35	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	21.66	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

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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/PN12C/51/V64/02	De-Dusting Stack-2	99.2
Plant Name: Blast Furnace 2; GPCB ID: 29026 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. P. H.

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN115C/51/V76/02

Reporting Date: 26/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN115C/51/V76/02	Sampling Date:	19/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/04/2023
Sample Type:	Stack	Analysis start- End Date:	22/04/2023-25/04/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	139
Stack Attached To:	Sinter Furnace 1	Stack gas velocity (m/sec):	16.71
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.125

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3544.32	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	49.18	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
Krina 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/PN115C/51/V76/02	Sinter Furnace 1	98.6
Plant Name: Sinter Plant 1; GPCB ID: 35456 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patel

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN22C/51/V65/03

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN22C/51/V65/03	Sampling Date:	05/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/04/2023
Sample Type:	Stack	Analysis start- End Date:	10/04/2023-14/04/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	134
Stack Attached To:	Sinter Furnace 2	Stack gas velocity (m/sec):	16.41
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.112

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1685.31	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	31.87	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

Krisha

Analyzed By
Krisha Solanki



P. B. Patel

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/PN22C/51/V65/03	Sinter Furnace 2	98.1
Plant Name: Sinter Plant 2; GPCB ID: 29017 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patel

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN33C/51/V66/06

Reporting Date: 15/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN33C/51/V66/06	Sampling Date:	07/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	10/04/2023
Sample Type:	Stack	Analysis start- End Date:	11/04/2023-15/04/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	58
Stack Attached To:	Mg Converter-1	Stack gas velocity (m/sec):	12.62
Fuel Used:	-	Volume of Air Sampled in NM3:	1.092

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2126.43	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	23.54	mg/Nm ³	IS 11255- Part 1	150

STACK MONITORING Plant Name: Pipe Plant; GPCB ID: 18036 / APMC-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/PN33C/51/V66/02	Mg Converter-1	99.0
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. For
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN47C/51/V68/06

Reporting Date: 19/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN47C/51/V68/06	Sampling Date:	10/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	12/04/2023
Sample Type:	Stack	Analysis start- End Date:	13/04/2023-18/04/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	38
Stack Attached To:	Zn Coating Machine FL-7	Stack gas velocity (m/sec):	10.32
Fuel Used:	-	Volume of Air Sampled in NM3:	0.924

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3485.17	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	17.41	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
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/PN47C/51/V68/06	Zn Coating-7	99.5
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patel

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN53C/51/V69/04

Reporting Date: 19/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN53C/51/V69/04	Sampling Date:	11/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	13/04/2023
Sample Type:	Stack	Analysis start- End Date:	14/04/2023-18/04/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	38
Stack Attached To:	Zn Coating-6	Stack gas velocity (m/sec):	10.21
Fuel Used:	-	Volume of Air Sampled in NM3:	0.927

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2192.86	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	14.27	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
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/PN53C/51/V69/04	Zn Coating-6	99.3
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. God

AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN63C/51/V70/03

Reporting Date: 20/04/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN63C/51/V70/03	Sampling Date:	12/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	14/04/2023
Sample Type:	Stack	Analysis start- End Date:	15/04/2023-19/04/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	47
Stack Attached To:	Mg Treatment	Stack gas velocity (m/sec):	10.50
Fuel Used:	-	Volume of Air Sampled in NM3:	0.9995

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2853.83	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	23.33	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/PN63C/51/V70/03	Mg Treatment	99.2
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patil
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN134C/51/V77/06

Reporting Date: 01/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN134C/51/V77/06	Sampling Date:	21/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	24/04/2023
Sample Type:	Stack	Analysis start- End Date:	25/04/2023-29/04/2023
Stack Height & Dia (m):	30 & 0.5	Stack Temperature (°C):	47
Stack Attached To:	Mg Converter-2	Stack gas velocity (m/sec):	10.67
Fuel Used:	-	Volume of Air Sampled in NM3:	0.922

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3160.95	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	28.73	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
Krима 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/PN134C/51/V77/06	Mg Converter-2	99.1
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patel
AUTHORIZED SIGNATORY

Ambient Noise Monitoring Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN12C/51/V64/03

Reporting Date: 10/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 04/04/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN12C/51/V 64/03	Old Colony	Day Time	db(A)Leq	IS 9989	50.7	55
2	Lab/PN12C/51/V 64/03	Old Colony	Night Time	dB(A)Leq	IS 9989	46.7	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) day Time: Min:45.9, Max:53.5; Value in dB(A) Night Time: Min:40.4, Max:44.8

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/47C/51/V68/07

Reporting Date: 19/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 10/04/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN47C/51/V 68/07	Spiral Pipe Yard	Day Time	dB(A)Leq	IS 9989	52.6	75
2	Lab/PN47C/51/V 68/07	Spiral Pipe Yard	Night Time	dB(A)Leq	IS 9989	47.9	70

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:42.5 ,Max:65.3 Value in dB(A) Night Time: Min:38.3 ,Max:55.7

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: GGMP/ PN91C/51/V73/04

Reporting Date: 24/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 15/04/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN91C/51/V 73/04	Main Gate	Day Time	dB(A)Leq	IS 9989	52.7	75
2	Lab/PN91C/51/V 73/04	Main Gate	Night Time	dB(A)Leq	IS 9989	47.5	70

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:45.2 ,Max:55.8 Value in dB(A) Night Time: Min:41.1 ,Max:50.4

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: GGMP/ PN151C/51/V80/04

Reporting Date: 02/05/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS


Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 25/04/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN151C/51/V80/04	School Building	Day Time	db(A)Leq	IS 9989	51.0	55
2	Lab/PN151C/51/V80/04	School Building	Night Time	dB(A)Leq	IS 9989	47.6	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:43.1 ,Max:53.2 Value in dB(A) Night Time: Min:38.7 ,Max:44.9

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


Analyzed By
Krina Solanki




Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN161C/51/V82/04

Reporting Date: 02/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 27/04/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN161C/51/V82/04	Vikaspuram	Day Time	db(A)Leq	IS 9989	52.0	55
2	Lab/PN161C/51/V82/04	Vikaspuram	Night Time	dB(A)Leq	IS 9989	48.3	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:43.5 ,Max:54.3 Value in dB(A) Night Time: Min:37.9 ,Max:44.3

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

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

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Workzone Noise Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN139C/51/V78/03

Reporting Date: 28/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter

Sampling Date: 22/04/2023

Sample By Laboratory Representative

Sample Description:

Workzone Noise Monitoring

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN139C/51/V78/03A	Control Room	Day Time	dB(A)Leq	IS 4758	59.3	85
2	Lab/PN139C/51/V78/03B	CPP Control Room	Day Time	dB(A)Leq	IS 4758	61.2	85
3	Lab/PN139C/51/V78/03C	Blower House Control Room	Day Time	dB(A)Leq	IS 4758	57.9	85
4	Lab/PN139C/51/V78/03D	Laboratory	Day Time	dB(A)Leq	IS 4758	66.5	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

Krisha Solanki

Analyzed By
Krisha Solanki



P. B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN40C/51/V67/03

Reporting Date: 15/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 08/04/2023
Sample Description: Workzone Noise Monitoring

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN40C/51/V67/03A	BF 2 Control Room	Day Time	dB(A)Leq	IS 4758	54.0	85
2	Lab/PN40C/51/V67/03B	Stock House	Day Time	dB(A)Leq	IS 4758	62.3	85
3	Lab/PN40C/51/V67/03C	Blower House	Day Time	dB(A)Leq	IS 4758	74.8	85
4	Lab/PN40C/51/V67/03D	Cast House	Day Time	dB(A)Leq	IS 4758	68.4	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: GGMP/ PN91C/51/V73/05

Reporting Date: 24/04/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS


Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 15/04/2023
Sample Description: Workzone Noise Monitoring

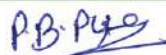
Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN91C/51/V 73/05A	Sinter -1 Control Room	Day Time	dB(A)Leq	IS 4758	60.2	85
2	Lab/PN91C/51/V 73/05B	Sinter Machine Area	Day Time	dB(A)Leq	IS 4758	73.9	85
3	Lab/PN91C/51/V 73/05C	Nr. Flux Building	Day Time	dB(A)Leq	IS 4758	66.8	85

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
Krina Solanki




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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN22C/51/V/65/06

Reporting Date: 11/04/2023

JINDAL SAW LIMITED

Samaghoha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 05/04/2023
Sample Description: Workzone Noise Monitoring

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN22C/51/V 65/06A	Control Room	Day Time	dB(A)Leq	IS 4758	62.3	85
2	Lab/PN22C/51/V 65/06B	Sinter Machine Area	Day Time	dB(A)Leq	IS 4758	72.9	85
3	Lab/PN22C/51/V 65/06C	Nr. Proportional Building	Day Time	dB(A)Leq	IS 4758	67.0	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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN181C/51/V84/04

Reporting Date: 03/05/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS


Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 29/04/2023
Sample Description: Workzone Noise Monitoring

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN181C/51/V84/04A	SDP-1 CCM Area	Day Time	dB(A)Leq	IS 4758	71.3	85
2	Lab/PN181C/51/V84/04B	DISP Annealing Furnace Control Room	Day Time	dB(A)Leq	IS 4758	62.9	85
3	Lab/PN181C/51/V84/04C	Pickling & Passivation	Day Time	dB(A)Leq	IS 4758	64.8	85
4	Lab/PN181C/51/V84/04D	ETP Area	Day Time	dB(A)Leq	IS 4758	68.0	85
5	Lab/PN181C/51/V84/04E	Mould Shop	Day Time	dB(A)Leq	IS 4758	72.3	85
6	Lab/PN181C/51/V84/04F	Spiral ID & OD Area	Day Time	dB(A)Leq	IS 4758	60.7	85
7	Lab/PN181C/51/V84/04G	FL-7 Office	Day Time	dB(A)Leq	IS 4758	55.2	85
8	Lab/PN181C/51/V84/04H	Shot Blasting	Day Time	dB(A)Leq	IS 4758	70.9	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

Page No : 1/1

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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 : 15.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
		CO	CO Analyzer	2	2.75 mg/m ³ 2.29 mg/m ³	2.52 mg/m ³	40 mg/m ³	IS 5182 (Part-10)				
1	Cast House	RSPM	Handy Sampler	2	2.51 mg/m ³ 2.36 mg/m ³	2.44 mg/m ³	10 mg/m ³	NIOSH-0600	3	-		Pankil
		Noise	Noise Meter	2	68.4 dB 71.4 dB	69.9 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.: Blast Furnace-2 Cast House at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:29026)
 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 : 27.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
1	Cast House	CO	CO Analyzer	2	2.45 mg/m ³ 3.15 mg/m ³	2.8 mg/m ³	40 mg/m ³	IS 5182(Part-10)	3			Pankil
				2	2.46 mg/m ³ 1.91 mg/m ³	2.19 mg/m ³	10 mg/m ³					
				Noise	Noise Meter	2	72.3 dB 63.9 dB	68.1 dB	85 dB	IS 4758		



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P. B. Patil

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-1 first floor at JINDAL SAW LIMITED, Samaghoghha. (GPCB ID:35456)
- 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 : 15.04.2023

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	Sinter -1 First Floor	CO	CO Analyzer	5	6	7	8	9	10	11	12	13
				2	2.52 mg/m ³ 3.21 mg/m ³	2.87 mg/m ³	40 mg/m ³					
1	Sinter -1 First Floor	RSPM	Handy Sampler	2	2.25 mg/m ³ 2.75 mg/m ³	2.50 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
				2	68.9 71.6	70.25 dB	85 dB					



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(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 : 05.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
				2	1.79 mg/m ³ 3.44 mg/m ³	2.62 mg/m ³	40 mg/m ³	IS 5182 (Part-10)				
1	Sinter -2 First Floor	RSPM	Handy Sampler	2	2.36 mg/m ³ 2.77 mg/m ³	2.57 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
				2	70.1 dB 67.4 dB	68.75 dB	85 dB	IS 4758				



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(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 : 08.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
1	DISP CCM Area	RSPM	Handy Sampler	2	1.85 mg/m ³ 2.47 mg/m ³	2.16 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
		Noise	Noise Meter	2	72.8 dB 67.2 dB	70.0 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 : 12.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
		VOC	Low Volume Pump	2	4.4 mg/m ³ 5.6 mg/m ³	5.0 mg/m ³	40 mg/m ³	IS 5182 (Part-11)				
1	SDP-2 Induction	RSPM	Handy Sampler	2	1.95 mg/m ³ 2.74 mg/m ³	2.33 mg/m ³	10 mg/m ³	NIOSH-0600	3	-		Pankil
		Noise	Noise Meter	2	71.9 dB 62.5 dB	67.2 dB	85 dB	IS 4758				



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P. B. Patel

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.
- 3 Particulars of sampling

Date of Sampling : 25.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
1	Coating 1 Id & OD Area	RSPM	Handy Sampler	2	2.21 mg/m ³	1.97 mg/m ³	10 mg/m ³	NIOSH-0600	4			Pankil
					1.72 mg/m ³							



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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. **MS Pipe.**
- 3 Particulars of sampling

Date of Sampling : 26.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13
1	Coating 2 Id/OD Area	RSPM	Handy Sampler	2	2.34 mg/m ³ 1.76 mg/m ³	2.05 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
		Noise	Noise Meter	2	70.4 dB 67.7 dB	69.05 dB	85 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: 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 : 27.04.2023

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	Signatur e person taking samples	Name (in block letters)
				Number of sample	Range	Average	LEL (%)	(mg/m ³)					
1	LPG YARD	LEL	Gas Detector	02	...	ND	...	2.3 (Propane)	...	LEL monitor	-	P B	Pankil
		RSPM	Handy Sampler	02	2.38 mg/m ³ 1.82 mg/m ³	2.1 mg/m ³	10 mg/m ³	NIOSH-0600	3	-			
		Noise	Noise Meter	02	71.5 dB 66.4 dB	68.95 dB	85 dB	IS 4758					



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P. B. Patil


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(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 : 28.04.2023

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
1	SDP 2 Bitumin Area	RSPM	Handy Sampler	2	2.56 mg/m ³ 2.02 mg/m ³	2.29 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
		Noise	Noise Meter	2	72.8 dB 69.1 dB	70.95 dB	85 dB	IS 4758				
		VOC	Low Volume Pump	2	5.1 mg/m ³ 4.8 mg/m ³	4.95 mg/m ³	-	IS 5182 Part-11				



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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. **SS Plate,Saw Wire,Flux and SSL Saw Pipe**
 3 Particulars of sampling

Date of Sampling : 29.04.2023

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	2	3	4	5	6	7	8	9	10	11	12	13	
1	Pickling and Passivation Area	RSPM	Handy Sampler	2	3.22 mg/m ³ 2.28 mg/m ³	2.75 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil	
				2	71.3 dB 67.4 dB	69.35 dB	85 dB						IS 4758
		HF	Handy Sampler	2	BQL BQL	BQL	BQL	2.5 mg/m ³	NIOSH-7903	4	-		Pankil
				2	BQL BQL	BQL	BQL	5 mg/m ³					



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AUTHORIZED SIGNATORY

Wastewater Report

CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN156C/51/V81/01

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 03/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/01	Sampling Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	28/04/2023
Sample Type:	Waste Water	Analysis Start Date:	28/04/2023
Sample Description:	STP Outlet	Analysis End Date:	02/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMP/L/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.35	-	IS 3025- Part 11	6.5 to 8.5
2	Total Dissolved Solids	928.00	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	35.00	mg/L	APHA 23rd Edn 5220 B	50
5	BOD at 20°C – 5 Days	11	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



Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN156C/51/V81/02

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 03/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/02	Sampling Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	28/04/2023
Sample Type:	Waste Water	Analysis Start Date:	28/04/2023
Sample Description:	STP Inlet	Analysis End Date:	02/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMP/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.66	-	IS 3025- Part 11	-
2	Total Dissolved Solids	1030.00	mg/L	APHA 23rd Edn 2540 C	-
3	Total Suspended Solids	113.00	mg/L	APHA 23rd Edn 2540 D	-
4	Chemical Oxygen Demand	130.00	mg/L	APHA 23rd Edn 5220 B	-
5	BOD at 20°C – 5 Days	30	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



Analyzed By
Krima Solanki




Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN156C/51/V81/03

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 03/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/03	Sampling Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	28/04/2023
Sample Type:	Waste Water	Analysis Start Date:	28/04/2023
Sample Description:	ETP Outlet	Analysis End Date:	02/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMP/L/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.40	-	IS 3025- Part 11	6.5 to 8.5
2	Temperature °C	26.5	°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	114.93	mg/L	APHA 23rd Edn 4500 SO4 E	1000
6	Fluoride	0.40	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	969.00	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	229.93	mg/L	IS 3025- Part 32	600
12	Chemical Oxygen Demand	60.00	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

Analyzed By
Krima Solanki



Authorized Signatory
Payal Patel

Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN156C/51/V81/03

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 03/05/2023



SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/03	Sampling Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	28/04/2023
Sample Type:	Waste Water	Analysis Start Date:	28/04/2023
Sample Description:	ETP Outlet	Analysis End Date:	02/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMP/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
13	Ammonical Nitrogen	7.56	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	16.67	mg/L	IS 3025- Part 44	30
16	Sodium	0.0128	%	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	1.94	-	GGMP/SOP/W/52	26

Plant Name: Pipe Plant GPCB ID : 18036

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

Krisha Solanki

Analyzed By
Krisha Solanki



P.B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN156C/51/V81/04

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 03/05/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN156C/51/V81/04	Sampling Date:	26/04/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	28/04/2023
Sample Type:	Waste Water	Analysis Start Date:	28/04/2023
Sample Description:	BF SGP	Analysis End Date:	02/05/2023
Sample Quantity:	4 L	Sampling Method:	GGMP/L/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.38	-	IS 3025- Part 11	6.5 to 8.5
2	Temperature °C	29.0	°C	APHA 23rd Edn 2550 B	40
3	Color	20	CU	IS 3025- Part 4	100
4	Sulphate	180.19	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	943.00	mg/L	APHA 23rd Edn 2540 C	2100
7	Total Suspended Solids	29.00	mg/L	APHA 23rd Edn 2540 D	100
8	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	10
9	Chloride	299.91	mg/L	IS 3025- Part 32	600
10	Chemical Oxygen Demand	30.00	mg/L	APHA 23rd Edn 5220 B	100
11	Ammonical Nitrogen	9.80	mg/L	APHA 23rd Edn 4500 NH3 C	50
12	BOD at 27 °C for 3 days	8.00	mg/L	IS 3025- Part 44	30

Plant Name: Blast Furnace-1 GPCB ID : 18037

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Analyzed By
Krima Solanki




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