

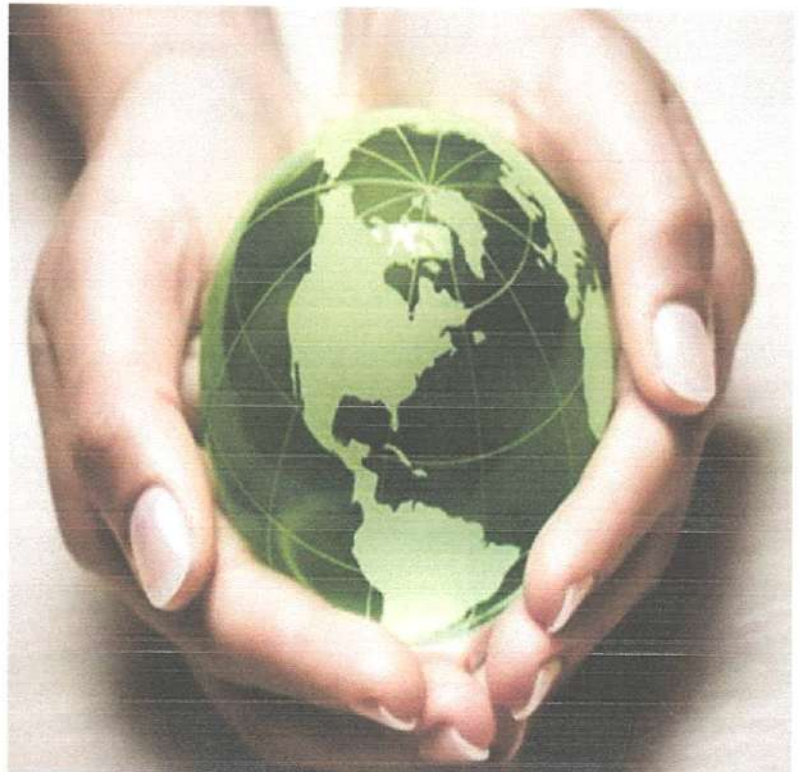
Report Issued to:

JINDAL SAW LIMITED

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

ENVIRONMENTAL MONTHLY MONITORING REPORT

MONTH OF JULY'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

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN701C/51/V126/01

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN701C/51/V126/01	Sampling Start Date:	03/07/2023 (09:36 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/07/2023 (09:36 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	06/07/2023-10/07/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.23	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	25.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.45	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.13	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	0.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

Sachi
Analyzed By
Sachi Patel



P.B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN701C/51/V126/02

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN701C/51/V126/02	Sampling Start Date:	03/07/2023 (09:56 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/07/2023 (09:56 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	06/07/2023-10/07/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.39	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	24.16	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	10.27	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	19.15	µg/m ³	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m ³	IS 5182- Part 10	4
6	Wind Direction	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	0.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

Sachi
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN701C/51/V126/03

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN701C/51/V126/03	Sampling Start Date:	03/07/2023 (10:17 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/07/2023 (10:17 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/07/2023
Sample Description:	STP	Analysis start- End Date:	06/07/2023-10/07/2023
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)	65.78	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)	13.45	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.13	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	0.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

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Analyzed By
Sachi Patel



P. B. Pop
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN701C/51/V126/04

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN701C/51/V126/04	Sampling Start Date:	03/07/2023 (10:44 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/07/2023 (10:44 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	06/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	06/07/2023-10/07/2023
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)	61.57	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.94	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.88	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	0.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

Sachi Patel
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/736C/51/V130/01

Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/736C/51/V130/01	Sampling Start Date:	07/07/2023 (09:40 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/07/2023 (09:40 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	10/07/2023-12/07/2023
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)	66.27	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)	12.28	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.17	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	N	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.3	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

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Payal Patel

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Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/736C/51/V130/02	Sampling Start Date:	07/07/2023 (10:02 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/07/2023 (10:02 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	10/07/2023-12/07/2023
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)	62.43	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.33	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.29	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	0.029	mg/m3	IS 5182- Part 10	4
6	Wind Direction	N	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.3	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi
Analyzed By
Sachi Patel



P.B.P.H.
Authorized Signatory
Payal Patel

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Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/736C/51/V130/03	Sampling Start Date:	07/07/2023 (10:26 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/07/2023 (10:26 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/07/2023
Sample Description:	STP	Analysis start- End Date:	10/07/2023-12/07/2023
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)	65.74	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)	14.21	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.35	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	N	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.3	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

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Report Number : GGMPL/PN/736C/51/V130/04

Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/736C/51/V130/04	Sampling Start Date:	07/07/2023 (11:03 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/07/2023 (11:03 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	10/07/2023-12/07/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.46	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	11.44	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.72	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	N	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.3	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/755C/51/V132/01

Reporting Date: 17/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/755C/51/V132/01	Sampling Start Date:	10/07/2023 (09:48 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/07/2023 (09:48 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	13/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	13/07/2023-15/07/2023
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)	62.18	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)	14.94	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.90	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 JULY.

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/755C/51/V132/02

Reporting Date: 17/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/755C/51/V132/02	Sampling Start Date:	10/07/2023 (10:09 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/07/2023 (10:09 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	13/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	13/07/2023-15/07/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.78	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.68	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.14	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-JULY.

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/755C/51/V132/03

Reporting Date: 17/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/755C/51/V132/03	Sampling Start Date:	10/07/2023 (10:31 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/07/2023 (10:31 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	13/07/2023
Sample Description:	STP	Analysis start- End Date:	13/07/2023-15/07/2023
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)	65.81	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)	13.77	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	21.26	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-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. Bipul

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/755C/51/V132/04

Reporting Date: 17/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/755C/51/V132/04	Sampling Start Date:	10/07/2023 (10:56 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/07/2023 (10:56 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	13/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	13/07/2023-15/07/2023
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)	62.32	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.91	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	12.98	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	20.45	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-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/792C/51/V135/01

Reporting Date: 20/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/792C/51/V135/01	Sampling Start Date:	14/07/2023 (09:28 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/07/2023 (09:28 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	16/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	17/07/2023-19/07/2023
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)	67.61	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)	15.36	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.08	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	2.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

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Report Number : GGMPL/PN/792C/51/V135/02

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/792C/51/V135/02	Sampling Start Date:	14/07/2023 (09:50 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/07/2023 (09:50 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	16/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	17/07/2023-19/07/2023
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)	64.55	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)	14.14	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.45	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/792C/51/V135/03

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/792C/51/V135/03	Sampling Start Date:	14/07/2023 (10:18 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/07/2023 (10:18 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	16/07/2023
Sample Description:	STP	Analysis start- End Date:	17/07/2023-19/07/2023
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)	63.43	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.66	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.57	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.35	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	2.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

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Sachi Patel



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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/792C/51/V135/04

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/792C/51/V135/04	Sampling Start Date:	14/07/2023 (11:04 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/07/2023 (11:04 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	16/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	17/07/2023-19/07/2023
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)	69.93	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)	13.75	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.84	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	2.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

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Sachi Patel



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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/803C/51/V137/01

Reporting Date: 24/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/803C/51/V137/01	Sampling Start Date:	17/07/2023 (09:30 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/07/2023 (09:30 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	19/07/2023-22/07/2023
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)	65.29	µg/m ³	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	32.08	µg/m ³	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO ₂)	10.87	µg/m ³	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO ₂)	19.39	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/803C/51/V137/02

Reporting Date: 24/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/803C/51/V137/02	Sampling Start Date:	17/07/2023 (09:54 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/07/2023 (09:54 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	19/07/2023-22/07/2023
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)	67.51	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)	13.81	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.35	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/803C/51/V137/03

Reporting Date: 24/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/803C/51/V137/03	Sampling Start Date:	17/07/2023 (10:28 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/07/2023 (10:28 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/07/2023
Sample Description:	STP	Analysis start- End Date:	19/07/2023-22/07/2023
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)	66.17	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)	13.42	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.63	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P.B.P.

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/803C/51/V137/04

Reporting Date: 24/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/803C/51/V137/04	Sampling Start Date:	17/07/2023 (10:56 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/07/2023 (10:56 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	19/07/2023-22/07/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.39	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.60	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.72	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/823C/51/V140/01

Reporting Date: 26/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/823C/51/V140/01	Sampling Start Date:	20/07/2023 (09:22 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	21/07/2023 (09:22 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	24/07/2023-26/07/2023
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)	63.35	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)	11.50	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.42	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	6.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/823C/51/V140/02

Reporting Date: 26/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/823C/51/V140/02	Sampling Start Date:	20/07/2023 (09:57 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	21/07/2023 (09:57 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	24/07/2023-26/07/2023
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)	56.83	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.72	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.26	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	6.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/823C/51/V140/03

Reporting Date: 26/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/823C/51/V140/03	Sampling Start Date:	20/07/2023 (10:21 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	21/07/2023 (10:21 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/07/2023
Sample Description:	STP	Analysis start- End Date:	24/07/2023-26/07/2023
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)	66.65	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.54	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.45	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	6.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



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Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/823C/51/V140/04

Reporting Date: 26/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/823C/51/V140/04	Sampling Start Date:	20/07/2023 (10:45 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	21/07/2023 (10:45 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	24/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	24/07/2023-26/07/2023
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)	63.79	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)	12.94	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.63	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	6.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

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Analyzed By
Sachi Patel



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Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/841C/51/V142/06

Reporting Date: 01/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/06	Sampling Start Date:	24/07/2023 (09:32 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/07/2023 (09:32 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	26/07/2023-31/07/2023
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)	64.44	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	10.45	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.66	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	3.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/841C/51/V142/07

Reporting Date: 01/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/07	Sampling Start Date:	24/07/2023 (10:04 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/07/2023 (10:04 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	26/07/2023-31/07/2023
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)	62.48	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	11.15	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.42	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	3.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/841C/51/V142/08

Reporting Date: 01/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/08	Sampling Start Date:	24/07/2023 (10:30 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/07/2023 (10:30 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/07/2023
Sample Description:	STP	Analysis start- End Date:	26/07/2023-31/07/2023
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)	63.83	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	10.98	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.63	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	3.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/841C/51/V142/09

Reporting Date: 01/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/09	Sampling Start Date:	24/07/2023 (11:06 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/07/2023 (11:06 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	26/07/2023-31/07/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.79	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)	11.50	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.87	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	3.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY

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

Sachi

Analyzed By
Sachi Patel



P.B.P.U

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/863C/51/V145/01

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/863C/51/V145/01	Sampling Start Date:	28/07/2023 (09:18 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/07/2023 (09:18 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/07/2023
Sample Description:	Old Colony	Analysis start- End Date:	31/07/2023-02/08/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.79	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	11.42	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	16.96	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/863C/51/V145/02

Reporting Date: 02/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/863C/51/V145/02	Sampling Start Date:	28/07/2023 (09:45 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/07/2023 (09:45 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/07/2023
Sample Description:	Spiral-02 Pipe Storage Yard	Analysis start- End Date:	31/07/2023-02/08/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.38	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	12.11	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	17.45	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	NW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachi Patel

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/863C/51/V145/03

Reporting Date: 02/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/863C/51/V145/03	Sampling Start Date:	28/07/2023 (10:08 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/07/2023 (10:08 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/07/2023
Sample Description:	STP	Analysis start- End Date:	31/07/2023-02/08/2023
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	60.35	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)	10.12	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	17.99	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

Sachin

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/863C/51/V145/04

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/863C/51/V145/04	Sampling Start Date:	28/07/2023 (10:35 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/07/2023 (10:35 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	30/07/2023
Sample Description:	Vikaspuram	Analysis start- End Date:	31/07/2023-02/08/2023
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)	61.42	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)	13.24	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.17	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	4.0	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JULY.

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

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Sachi Patel



P B Patel

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Payal Patel

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**Fugitive
Monitoring
Report**

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/853C/51/V144/02

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/853C/51/V144/02	Sampling Start Date:	26/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	29/07/2023
Sample Description:	BF-1 De Dusting	Analysis start- End Date:	29/07/2023-01/08/2023
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	23.99	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	12.54	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)	2280.84	µg/m ³	IS 5182 (part 4)	3000

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

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

Sachi
Analyzed By
Sachi Patel



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/870C/51/V146/03

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/870C/51/V146/03	Sampling Start Date:	29/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	31/07/2023
Sample Description:	BF-1 Cast House	Analysis start- End Date:	31/07/2023-02/08/2023
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	35.62	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	21.95	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)	2277.49	µg/m ³	IS 5182 (part 4)	3000

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

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

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Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/784C/51/V134/01

Reporting Date: 19/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/784C/51/V134/01	Sampling Start Date:	13/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	13/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	15/07/2023
Sample Description:	BF-2 De Dusting	Analysis start- End Date:	15/07/2023-18/07/2023
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	27.62	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	15.73	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)	2118.73	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

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Sachi Patel



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/784C/51/V134/02

Reporting Date: 19/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/784C/51/V134/02	Sampling Start Date:	13/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	13/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	15/07/2023
Sample Description:	BF-2 Ground Hoper	Analysis start- End Date:	15/07/2023-18/07/2023
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	32.71	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	20.98	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)	2012.06	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

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Sachi Patel



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/797C/51/V136/03

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/797C/51/V136/03	Sampling Start Date:	15/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	17/07/2023
Sample Description:	Sinter-01 Screening Building	Analysis start- End Date:	17/07/2023-19/07/2023
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	26.17	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	17.83	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)	1979.83	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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/853C/51/V144/03

Reporting Date: 02/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/853C/51/V144/03	Sampling Start Date:	26/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	29/07/2023
Sample Description:	Sinter-02 Crushing Building	Analysis start- End Date:	29/07/2023-01/08/2023
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	25.44	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	16.56	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)	2125.06	µg/m ³	IS 5182 (part 4)	3000

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

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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/729C/51/V129/02

Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/729C/51/V129/02	Sampling Start Date:	06/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	06/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	08/07/2023
Sample Description:	DISP CCM Area	Analysis start- End Date:	08/07/2023-12/07/2023
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	23.26	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	13.63	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)	1722.82	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

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Sachi Patel



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CERTIFICATE OF ANALYSIS

Report Number : GGMP/PN/870C/51/V146/02

Reporting Date: 02/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415




SAMPLE DETAILS

Lab ID:	Lab/PN/870C/51/V146/02	Sampling Start Date:	29/07/2023
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/07/2023
Sample Type:	Fugitive	Sample Receipt Date:	31/07/2023
Sample Description:	SDP-2 Induction	Analysis start- End Date:	31/07/2023-02/08/2023
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	25.09	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	15.75	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)	1207.26	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


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**Stack
Monitoring
Report**

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/792C/51/V135/05

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/792C/51/V135/05	Sampling Date:	14/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	16/07/2023
Sample Type:	Stack	Analysis start- End Date:	17/07/2023-19/07/2023
Stack Height & Dia (m):	45 & 1.4	Stack Temperature (°C):	147
Stack Attached To:	Boiler-I	Stack gas velocity (m/sec):	6.74
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.974

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	3.90	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	16.92	mg/Nm ³	GGMP/ SOP/SEA/68	25
3	Sulphur Dioxide	10.47	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

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/811C/51/V138/01

Reporting Date: 22/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/811C/51/V138/01	Sampling Date:	18/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	20/07/2023
Sample Type:	Stack	Analysis start- End Date:	20/07/2023-21/07/2023
Stack Height & Dia (m):	50 & 1.4	Stack Temperature (°C):	151
Stack Attached To:	Stove Stack	Stack gas velocity (m/sec):	10.13
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.6844

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	3.21	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	13.16	mg/Nm ³	GGMPL/SOP/SEA/68	25
3	Sulphur Dioxide	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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/819C/51/V139/01

Reporting Date: 25/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/819C/51/V139/01	Sampling Date:	19/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/07/2023
Sample Type:	Stack	Analysis start- End Date:	21/07/2023-24/07/2023
Stack Height & Dia (m):	45 & 1	Stack Temperature (°C):	169
Stack Attached To:	DG Set-1 (KVA 3240)	Stack gas velocity (m/sec):	9.77
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.652

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	48.16	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	28.0	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	16.0	ppm	GGMPL/SOP/SEA/68	50

STACK MONITORING Plant Name: Blast Furnace-01; GPCB ID : 18037

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

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Sachi Patel



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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/819C/51/V139/02

Reporting Date: 25/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/819C/51/V139/02	Sampling Date:	19/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/07/2023
Sample Type:	Stack	Analysis start- End Date:	21/07/2023-24/07/2023
Stack Height & Dia (m):	45 & 1	Stack Temperature (°C):	165
Stack Attached To:	DG Set-2 (KVA 3240)	Stack gas velocity (m/sec):	9.71
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.6351

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	42.51	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	31.0	ppm	GGMP/SOP/SEA/68	100
3	Oxides of Nitrogen	19.0	ppm	GGMP/SOP/SEA/68	50

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

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

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Sachi Patel



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN712C/51/V127/04

Reporting Date: 11/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN712C/51/V127/04	Sampling Date:	04/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/07/2023
Sample Type:	Stack	Analysis start- End Date:	06/07/2023-10/07/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	36
Stack Attached To:	Iron Fine DCS	Stack gas velocity (m/sec):	4.42
Fuel Used:	-	Volume of Air Sampled in NM3:	0.925

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	25.73	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

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Analyzed By
Sachi Patel



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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN712C/51/V127/03

Reporting Date: 11/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN712C/51/V127/03	Sampling Date:	04/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/07/2023
Sample Type:	Stack	Analysis start- End Date:	06/07/2023-10/07/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	35
Stack Attached To:	Coke fine Building DCS	Stack gas velocity (m/sec):	5.16
Fuel Used:	-	Volume of Air Sampled in NM3:	1.052

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	27.38	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

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Report Number: GGMPL/PN712C/51/V127/01

Reporting Date: 11/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN712C/51/V127/01	Sampling Date:	04/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/07/2023
Sample Type:	Stack	Analysis start- End Date:	06/07/2023-10/07/2023
Stack Height & Dia (m):	40 & 1.5	Stack Temperature (°C):	36
Stack Attached To:	De-dusting Stack-2	Stack gas velocity (m/sec):	9.32
Fuel Used:	-	Volume of Air Sampled in NM3:	0.824

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	24.39	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

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN/792C/51/V135/06

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/792C/51/V135/06	Sampling Date:	14/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	16/07/2023
Sample Type:	Stack	Analysis start- End Date:	17/07/2023-19/07/2023
Stack Height & Dia (m):	45 & 1.4	Stack Temperature (°C):	153
Stack Attached To:	Boiler-II	Stack gas velocity (m/sec):	6.90
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.0062

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	2.88	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	13.16	mg/Nm ³	GGMP/L/SOP/SEA/68	25
3	Sulphur Dioxide	7.85	mg/Nm ³	GGMP/L/SOP/SEA/68	40

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

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/755C/51/V132/05

Reporting Date: 17/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/755C/51/V132/05	Sampling Date:	10/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	13/07/2023
Sample Type:	Stack	Analysis start- End Date:	13/07/2023-15/07/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	125
Stack Attached To:	Sinter Furnace-1	Stack gas velocity (m/sec):	10.9
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.782

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	35.29	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	8	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	16	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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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/784C/51/V134/04

Reporting Date: 19/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/784C/51/V134/04	Sampling Date:	13/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/07/2023
Sample Type:	Stack	Analysis start- End Date:	15/07/2023-18/07/2023
Stack Height & Dia (m):	19.75 & 0.8	Stack Temperature (°C):	37
Stack Attached To:	Primary Mixture Drum	Stack gas velocity (m/sec):	4.40
Fuel Used:	-	Volume of Air Sampled in NM3:	0.8798

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	28.53	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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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/784C/51/V134/03

Reporting Date: 19/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/784C/51/V134/03	Sampling Date:	13/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	15/07/2023
Sample Type:	Stack	Analysis start- End Date:	15/07/2023-18/07/2023
Stack Height & Dia (m):	32.8 & 0.8	Stack Temperature (°C):	142
Stack Attached To:	Discharge End	Stack gas velocity (m/sec):	10.57
Fuel Used:	-	Volume of Air Sampled in NM3:	0.699

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	33.48	mg/Nm ³	IS 11255- Part 1	150

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

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

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Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN720C/51/V128/03

Reporting Date: 12/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN720C/51/V128/03	Sampling Date:	05/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	07/07/2023
Sample Type:	Stack	Analysis start- End Date:	08/07/2023-11/07/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	144
Stack Attached To:	Sinter Furnace 2	Stack gas velocity (m/sec):	10.84
Fuel Used:	BFG	Volume of Air Sampled in NM3:	0.751

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	32.09	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	8	ppm	GGMP/SOP/SEA/68	100
3	Oxides of Nitrogen	14	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/PN/729C/51/V129/05

Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/729C/51/V129/05	Sampling Date:	06/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/07/2023
Sample Type:	Stack	Analysis start- End Date:	08/07/2023-12/07/2023
Stack Height & Dia (m):	45 & 1.5	Stack Temperature (°C):	121
Stack Attached To:	Annealing Furnace-III	Stack gas velocity (m/sec):	6.21
Fuel Used:	BFG/LPG	Volume of Air Sampled in NM3:	1.016

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	13.29	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	13	ppm	GGMPL/SOP/SEA/68	100
3	Oxides of Nitrogen	24	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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Report Number: GGMPL/PN/729C/51/V129/03

Reporting Date: 13/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/729C/51/V129/03	Sampling Date:	06/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/07/2023
Sample Type:	Stack	Analysis start- End Date:	08/07/2023-12/07/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	42
Stack Attached To:	Mg Treatment	Stack gas velocity (m/sec):	5.76
Fuel Used:	-	Volume of Air Sampled in NM3:	1.152

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	26.82	mg/Nm ³	IS 11255- Part 1	50

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN/777C/51/V133/01

Reporting Date: 18/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/777C/51/V133/01	Sampling Date:	12/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	14/07/2023
Sample Type:	Stack	Analysis start- End Date:	14/07/2023-17/07/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	51
Stack Attached To:	Mg Converter-1	Stack gas velocity (m/sec):	10.52
Fuel Used:	-	Volume of Air Sampled in NM3:	0.905

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	22.43	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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Report Number: GGMPL/PN/777C/51/V133/03

Reporting Date: 18/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/777C/51/V133/03	Sampling Date:	12/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	14/07/2023
Sample Type:	Stack	Analysis start- End Date:	14/07/2023-17/07/2023
Stack Height & Dia (m):	30 & 0.5	Stack Temperature (°C):	44
Stack Attached To:	Mg Converter-2	Stack gas velocity (m/sec):	9.39
Fuel Used:	-	Volume of Air Sampled in NM3:	0.8233

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	28.67	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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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/841C/51/V142/10

Reporting Date: 01/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/10	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Stack	Analysis start- End Date:	26/07/2023-31/07/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	35
Stack Attached To:	Core Shop-2	Stack gas velocity (m/sec):	3.91
Fuel Used:	-	Volume of Air Sampled in NM3:	0.8313

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	23.34	mg/Nm ³	IS 11255- Part 1	150

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

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/853C/51/V144/04

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/853C/51/V144/04	Sampling Date:	26/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	29/07/2023
Sample Type:	Stack	Analysis start- End Date:	29/07/2023-01/08/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	36
Stack Attached To:	Zn Coating-6	Stack gas velocity (m/sec):	5.57
Fuel Used:	-	Volume of Air Sampled in NM3:	1.1158

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	14.97	mg/Nm ³	IS 11255- Part 1	20

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/863C/51/V145/07

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/863C/51/V145/07	Sampling Date:	28/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	30/07/2023
Sample Type:	Stack	Analysis start- End Date:	31/07/2023-02/08/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	35
Stack Attached To:	Core Cleaning & Dusting-2	Stack gas velocity (m/sec):	4.67
Fuel Used:	-	Volume of Air Sampled in NM3:	0.9841

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	19.51	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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Report Number: GGMP/ PN/863C/51/V145/06

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/863C/51/V145/06	Sampling Date:	28/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	30/07/2023
Sample Type:	Stack	Analysis start- End Date:	31/07/2023-02/08/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	115
Stack Attached To:	Annealing Furnace-II	Stack gas velocity (m/sec):	6.46
Fuel Used:	BFG/LPG	Volume of Air Sampled in NM3:	1.056

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	12.41	mg/Nm ³	IS 11255- Part 1	150
2	Sulphur Dioxides	13	ppm	GGMP/ SOP/SEA/68	100
3	Oxides of Nitrogen	25	ppm	GGMP/ SOP/SEA/68	50

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/877C/51/V147/02

Reporting Date: 03/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/877C/51/V147/02	Sampling Date:	31/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	01/08/2023
Sample Type:	Stack	Analysis start- End Date:	01/08/2023-03/08/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	35
Stack Attached To:	Pickling & Passivation	Stack gas velocity (m/sec):	8.38
Fuel Used:	-	Volume of Air Sampled in NM3:	0.7609

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	7.23	mg/Nm ³	IS 11255- Part 1	150
2	Oxides of Nitrogen	8.0	ppm	GGMPL/SOP/SEA/68	25

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

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/877C/51/V147/02A

Reporting Date: 03/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN/877C/51/V147/02	Sampling Date:	31/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	01/08/2023
Sample Type:	Stack	Analysis start- End Date:	01/08/2023-03/08/2023
Stack Height & Dia (m):	15 & 0.6	Stack Temperature (°C):	35
Stack Attached To:	Pickling & Passivation	Stack gas velocity (m/sec):	8.38
Fuel Used:	-	Volume of Air Sampled in NM3:	0.7609

Sr.No	Parameters*	Results	Unit	Test Method	Norms
1	Hydrogen Fluoride	1.03	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

Sachi
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

Page No : 1/1

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**Bag House
Performance
Evaluation
Report**

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN701C/51/V126/06

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN701C/51/V126/06	Sampling Date:	03/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/07/2023
Sample Type:	Stack	Analysis start- End Date:	06/07/2023-10/07/2023
Stack Height & Dia (m):	35 & 1.5	Stack Temperature (°C):	39
Stack Attached To:	De Dusting Stack-1	Stack gas velocity (m/sec):	11.0
Fuel Used:	-	Volume of Air Sampled in NM3:	0.985

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1834.92	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	4.59	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

Sachi

Analyzed By
Sachi Patel



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/PN701C/51/V126/06	De-dusting Stack-1	99.7
Plant Name: Blast Furnace -1; GPCB ID: 18037 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patil
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN712C/51/V127/02

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN712C/51/V127/02	Sampling Date:	04/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	06/07/2023
Sample Type:	Stack	Analysis start- End Date:	06/07/2023-10/07/2023
Stack Height & Dia (m):	40 & 1.5	Stack Temperature (°C):	38
Stack Attached To:	De Dusting Stack-2	Stack gas velocity (m/sec):	12.08
Fuel Used:	-	Volume of Air Sampled in NM3:	1.079

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2414.37	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	24.39	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

Sachi

Analyzed By
Sachi Patel



P.B. Patil

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/PN712C/51/V127/02	De-Dusting Stack-2	99.0
Plant Name: Blast Furnace 2; GPCB ID: 29026 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Patil
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN720C/51/V128/04

Reporting Date: 12/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN720C/51/V128/04	Sampling Date:	05/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	07/07/2023
Sample Type:	Stack	Analysis start- End Date:	08/07/2023-11/07/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	150
Stack Attached To:	Sinter Furnace 2	Stack gas velocity (m/sec):	17.30
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.128

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1789.42	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	32.09	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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

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/PN720C/51/V128/04	Sinter Furnace 2	98.2
Plant Name: Sinter Plant 2; GPCB ID: 29017 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Rao
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/729C/51/V129/04

Reporting Date: 13/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/729C/51/V129/04	Sampling Date:	06/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	08/07/2023
Sample Type:	Stack	Analysis start- End Date:	08/07/2023-12/07/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	44
Stack Attached To:	Mg Treatment	Stack gas velocity (m/sec):	10.35
Fuel Used:	-	Volume of Air Sampled in NM3:	0.872

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2576.67	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	26.82	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

Sachi

Analyzed By
Sachi Patel



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/PN729C/51/V129/04	Mg Treatment	99.0
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: GGMP/L/PN/755C/51/V132/06

Reporting Date: 17/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/755C/51/V132/06	Sampling Date:	10/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	13/07/2023
Sample Type:	Stack	Analysis start- End Date:	13/07/2023-15/07/2023
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	131
Stack Attached To:	Sinter Furnace-1	Stack gas velocity (m/sec):	16.98
Fuel Used:	BFG	Volume of Air Sampled in NM3:	1.173

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3549.45	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	35.29	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

Sachi

Analyzed By
Sachi Patel



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/PN755C/51/V132/06	Sinter Furnace-1	99.0

Plant Name: Sinter Furnace-1; GPCB ID: 35456 / APCM-ESP/Bag Filter



GO GREEN MECHANISMS PVT. LTD.

P. B. Patel
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/777C/51/V133/02

Reporting Date: 18/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/777C/51/V133/02	Sampling Date:	12/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	14/07/2023
Sample Type:	Stack	Analysis start- End Date:	14/07/2023-17/07/2023
Stack Height & Dia (m):	30 & 1.0	Stack Temperature (°C):	54
Stack Attached To:	Mg Converter-1	Stack gas velocity (m/sec):	11.59
Fuel Used:	-	Volume of Air Sampled in NM3:	0.9977

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2019.24	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	22.43	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

Sachi

Analyzed By
Sachi Patel



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/PN/777C/51/V133/02	Mg Converter-1	98.9

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



GO GREEN MECHANISMS PVT. LTD.

P. B. Raj
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/777C/51/V133/04

Reporting Date: 18/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/777C/51/V133/04	Sampling Date:	12/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	14/07/2023
Sample Type:	Stack	Analysis start- End Date:	14/07/2023-17/07/2023
Stack Height & Dia (m):	30 & 0.5	Stack Temperature (°C):	47
Stack Attached To:	Mg Converter-2	Stack gas velocity (m/sec):	11.24
Fuel Used:	-	Volume of Air Sampled in NM3:	0.9775

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3102.61	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	28.67	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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

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/PN777C/51/V133/04	Mg Conerter-2	99.1
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Roy
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN/803C/51/V137/06

Reporting Date: 24/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/803C/51/V137/06	Sampling Date:	17/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	19/07/2023
Sample Type:	Stack	Analysis start- End Date:	19/07/2023-22/07/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	39
Stack Attached To:	Zn Coating Machine FL-7	Stack gas velocity (m/sec):	10.29
Fuel Used:	-	Volume of Air Sampled in NM3:	0.935

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	3363.74	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	18.87	mg/Nm ³	IS 11255- Part 1	20

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

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

Sachi

Analyzed By
Sachi Patel



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/PN803C/51/V137/06	Zn Coating-7	99.4
Plant Name: Pipe Plant; GPCB ID: 18036 / APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Dgt
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/853C/51/V144/05

Reporting Date: 02/08/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/853C/51/V144/05	Sampling Date:	26/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	29/07/2023
Sample Type:	Stack	Analysis start- End Date:	29/07/2023-01/08/2023
Stack Height & Dia (m):	30 & 1.2	Stack Temperature (°C):	38
Stack Attached To:	Zn Coating-6	Stack gas velocity (m/sec):	10.18
Fuel Used:	-	Volume of Air Sampled in NM3:	0.9367

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2109.64	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	14.97	mg/Nm ³	IS 11255- Part 1	20

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

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

Sachi

Analyzed By
Sachi Patel



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/PN/853C/51/V144/05	Zn Coating-6	99.3
Plant Name: Pipe Plant; GPCB ID: 18036 / APMC-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

P. B. Jay
AUTHORIZED SIGNATORY

CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/847C/51/V143/04

Reporting Date: 29/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Lab ID:	Lab/PN/847C/51/V143/04	Sampling Date:	25/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/07/2023
Sample Type:	Stack	Analysis start- End Date:	27/07/2023-29/07/2023
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	38
Stack Attached To:	Zn Coating-2	Stack gas velocity (m/sec):	9.51
Fuel Used:	-	Volume of Air Sampled in NM3:	0.836

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1705.14	mg/Nm ³	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	15.23	mg/Nm ³	IS 11255- Part 1	20

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

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

Sachi

Analyzed By
Sachi Patel



P. B. D.

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/PN/847C/51/V143/04	Zn Coating-2	99.1

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



GO GREEN MECHANISMS PVT. LTD.

P. B. K.
AUTHORIZED SIGNATORY

Ambient Noise Monitoring Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN701C/51/V126/07

Reporting Date: 11/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 03/07/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN701C/51/V126/07	Old Colony	Day Time	db(A)Leq	IS 9989	49.9	55
2	Lab/PN701C/51/V126/07	Old Colony	Night Time	db(A)Leq	IS 9989	40.2	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min: 42.6, Max: 53.4 Value in dB(A) Night Time: Min: 38.8, Max: 41.7

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

Sachi
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/736C/51/V130/05

Reporting Date: 13/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 07/07/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/736C/51/V130/05	Spiral-2 Pipe Storage Yard	Day Time	db(A)Leq	IS 9989	51.1	75
2	Lab/PN/736C/51/V130/05	Spiral-2 Pipe Storage Yard	Night Time	db(A)Leq	IS 9989	46.2	70

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:46.4, Max:54.9 Value in dB(A) Night Time: Min:42.2, Max:48.3

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

Sachi
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/748C/51/V131/03

Reporting Date: 15/07/2023

JINDAL SAW LIMITED

Village-Paragpur, Taluka-Mundra, Dist- Kutch



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 08/07/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/748C/51/ V131/03	Main Gate	Day Time	db(A)Leq	IS 9989	50.5	75
2	Lab/PN/748C/51/ V131/03	Main Gate	Night Time	db(A)Leq	IS 9989	47.2	70

AMBIENT NOISE MONITORING Value in dB(A)Day Time: Min: 45.8, Max: 54.8 Value in dB(A)Night Time: Min: 44.1, Max: 48.8

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

Sachi Patel
Analyzed By
Sachi Patel



P.B. Patel
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/PN/792C/51/V135/07

Reporting Date: 20/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 14/07/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/792C/51/V135/07	Vikaspuram	Day Time	db(A)Leq	IS 9989	50.5	55
2	Lab/PN/792C/51/V135/07	Vikaspuram	Night Time	db(A)Leq	IS 9989	44.4	45

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min:46.4, Max:53.9 Value in dB(A) Night Time: Min: 35.2, Max:47.5

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

Sachi
Analyzed By
Sachi Patel

P.B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/797C/51/V136/04

Reporting Date: 20/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS


Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

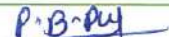
Sampling Date: 15/07/2023
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/797C/51/ V136/04	School Building	Day Time	db(A)Leq	IS 9989	51.1	55
2	Lab/PN/797C/51/ V136/04	School Building	Night Time	db(A)Leq	IS 9989	41.6	45

AMBIENT NOISE MONITORING Value in dB(A) Day Time: Min: 40.8, Max: 59.2 Value in dB(A)Night Time: Min: 38.2, Max: 44.8

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


Analyzed By
Sachi Patel


Authorized Signatory
Payal Patel

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Workzone Noise Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/748C/51/V131/04

Reporting Date: 15/07/2023

JINDAL SAW LIMITED

Village-Paragpar, Taluka-Mundra, Dist- Kutch



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 08/07/2023
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/748C/51/ V131/04A	Control Room	Day Time	dB(A)Leq	IS 4758	51.9	85
2	Lab/PN/748C/51/ V131/04B	Opp. Control Room	Day Time	dB(A)Leq	IS 4758	58.8	85
3	Lab/PN/748C/51/ V131/04C	Laboratory	Day Time	dB(A)Leq	IS 4758	55.4	85
4	Lab/PN/748C/51/ V131/04D	Blower House Control Room	Day Time	dB(A)Leq	IS 4758	64.0	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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN712C/51/V127/05

Reporting Date: 11/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 04/07/2023
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN712C/51/V127/05A	Control Room	Day Time	dB(A)Leq	IS 4758	54.0	85
2	Lab/PN712C/51/V127/05B	Cast House	Day Time	dB(A)Leq	IS 4758	68.3	85
3	Lab/PN712C/51/V127/05C	Blower House	Day Time	dB(A)Leq	IS 4758	74.8	85
4	Lab/PN712C/51/V127/05D	Stock House	Day Time	dB(A)Leq	IS 4758	70.5	85

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

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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/755C/51/V132/08

Reporting Date: 17/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 10/07/2023
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/755C/51/V132/08A	Sinter-1 Control Room	Day Time	dB(A)Leq	IS 4758	58.2	85
2	Lab/PN/755C/51/V132/08B	Sinter Machine Area	Day Time	dB(A)Leq	IS 4758	73.9	85
3	Lab/PN/755C/51/V132/08C	Nr Flux Building	Day Time	dB(A)Leq	IS 4758	62.7	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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN720C/51/V128/07

Reporting Date: 12/07/2023

JINDAL SAW LIMITED
Samaghogha, Mundra, Kutch-370415



SAMPLE DETAILS

Sampling Instrument : Sound Level Meter
Sample By Laboratory Representative

Sampling Date: 05/07/2023
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN720C/51/V128/07A	Contol Room	Day Time	dB(A)Leq	IS 4758	54.7	85
2	Lab/PN720C/51/V128/07B	Machine Area	Day Time	dB(A)Leq	IS 4758	74.9	85
3	Lab/PN720C/51/V128/07C	Proportional Building	Day Time	dB(A)Leq	IS 4758	66.2	85

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

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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

Authorized Signatory
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/836C/51/V141/01

Reporting Date: 25/07/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS


Sampling Instrument : Sound Level Meter
Sample By : Laboratory Representative

Sampling Date: 22/07/2023
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/836C/51/V141/01A	DISP CCM Area	Day Time	dB(A)Leq	IS 4758	70.4	85
2	Lab/PN/836C/51/V141/01B	SDP 1 Annealing Furnace	Day Time	dB(A)Leq	IS 4758	63.0	85
3	Lab/PN/836C/51/V141/01C	Mould Shop	Day Time	dB(A)Leq	IS 4758	74.9	85
4	Lab/PN/836C/51/V141/01D	Pickling & Passivation	Day Time	dB(A)Leq	IS 4758	68.2	85
5	Lab/PN/836C/51/V141/01E	ETP	Day Time	dB(A)Leq	IS 4758	71.7	85
6	Lab/PN/836C/51/V141/01F	Spiral ID/OD	Day Time	dB(A)Leq	IS 4758	64.5	85
7	Lab/PN/836C/51/V141/01G	FL-7 Zinc Coating Control Room	Day Time	dB(A)Leq	IS 4758	70.7	85
8	Lab/PN/836C/51/V141/01H	Shot Blasting	Day Time	dB(A)Leq	IS 4758	78.2	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
Sachi Patel


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 : 08-07-2023

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	2.38 mg/m ³ 2.78 mg/m ³	2.58 mg/m ³	40 mg/m ³	IS 5182 (Part-10)				
	Cast House	RSPM	Handy Sampler	2	2.53 mg/m ³ 2.68 mg/m ³	2.61 mg/m ³	10 mg/m ³	NIOSH-0600	3	-		Pankil
		Noise	Noise Meter	2	68.4 dB 71.8 dB	70.1 dB	85 dB	IS 4758				



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AUTHORIZED SIGNATORY

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).
 1 Name of the Department/Plant.: 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 : 08-07-2023

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	Cast House	CO	CO Analyzer	2	2.67 mg/m ³ 3.45 mg/m ³	3.06 mg/m ³	40 mg/m ³	IS 5182(Part-10)	3	-		Pankil
				2	2.43 mg/m ³ 2.87 mg/m ³	2.65 mg/m ³	10 mg/m ³	NIOSH-0600				
		2	71.6 dB 68.2 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.: **Sinter Plant-1 first floor at JINDAL SAW LIMITED, Samaghogha. (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 : 05-07-2023

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	2.72 mg/m ³ 3.02 mg/m ³	2.87 mg/m ³	40 mg/m ³	IS 5182 (Part-10)				
1	Sinter -1 First Floor	RSPM	Handy Sampler	2	2.43 mg/m ³ 2.72 mg/m ³	2.58 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
		Noise	Noise Meter	2	68.4 71.3	69.9 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.: **Sinter Plant-2 first floor at JINDAL SAW LIMITED, Samaghoghha. (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 : 05-07-2023

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 -2 First Floor	CO	CO Analyzer	5	6	7	8	9	10	11	12	13
				2	2.09 mg/m ³ 2.98 mg/m ³	2.54 mg/m ³	40 mg/m ³	IS 5182 (Part-10)	4	-	<i>P</i>	Pankil
1	Sinter -2 First Floor	RSPM	Handy Sampler	2	2.51 mg/m ³ 2.20 mg/m ³	2.36 mg/m ³	10 mg/m ³	NIOSH-0600				
				2	70.2 dB 66.8 dB	68.5 dB	85 dB	IS 4758				



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Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).
 1 Name of the Department/Plant.: **Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)**
 2 Raw materials, by products and finished products involved in the process. **Hot Metal,Mg,Zn,ms Scrap,Cement etc & DI pipe**
 3 Particulars of sampling

Date of Sampling : 06-07-2023

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	SDP-2 Induction	VOC	Low Volume Pump	2	4.6 mg/m ³ 5.3 mg/m ³	4.95 mg/m ³	40 mg/m ³	IS 5182 (Part-11)	3			Pankil
		RSPM	Handy Sampler	2	2.66 mg/m ³ 1.74 mg/m ³	2.2 mg/m ³	10 mg/m ³	NIOSH-0600				
		Noise	Noise Meter	2	68.2 dB 59.4 dB	63.8 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 :

15-07-2023

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	DISP CCM Area	RSPM	Handy Sampler	2	2.53 mg/m ³ 1.78 mg/m ³	2.15 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
				2	72.2 dB 68.8 dB	70.5 dB	85 dB					



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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 : 25-07-2023

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
		RSPM	Handy Sampler	2	2.37 mg/m ³ 2.12 mg/m ³	2.25 mg/m ³	10 mg/m ³	NIOSH-0600				
		Noise	Noise Meter	2	71.8 dB 69.4 dB	70.6 dB	85 dB	IS 4758	4	-		Pankil
1	DISP Bitumin Area	VOC	Low Volume Pump	2	4.2 mg/m ³ 4.7 mg/m ³	4.45 mg/m ³	-	IS 5182 Part-11				



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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, Samaghoghha. (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 : 26-07-2023

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	2.91 mg/m ³ 2.32 mg/m ³	2.62 mg/m ³	10 mg/m ³	NIOSH-0600 IS 4758	4	-		Pankil
				2	71.3 dB 68.4 dB	69.85 dB	85 dB					
		HF	Handy Sampler	2	BQL BQL	BQL	2.5 mg/m ³	NIOSH-7903	4	-		Pankil
				2	BQL BQL	BQL	5 mg/m ³					



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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. **Saw Wire,Flux etc & SS LSAW Pipe.**
- 3 Particulars of sampling

Date of Sampling : 28-07-2023

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	Spiral Id and OD Area	RSPM	Handy Sampler	2	2.48 mg/m ³ 2.02 mg/m ³	2.25 mg/m ³	10 mg/m ³	NIOSH-0600	4	-	<i>P</i>	Pankil
		Noise	Noise Meter	2	70.8 dB 69.7 dB	70.25 dB	85 dB	IS 4758				



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Form No. 37

(Prescribed under Rule 12-B)

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

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

Date of Sampling : 29.07.2023

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	Shot Blasting	RSPM	Handy Sampler	2	2.74 mg/m ³ 2.96 mg/m ³	2.85 mg/m ³	10 mg/m ³	NIOSH-0500	4	-		Pankil
				2	70.4 dB 65.8 dB	68.10 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.: Pipe Plant at JINDAL SAW LIMITED, Samaghogha. (GPCB ID:18036)
- 2 Raw materials, by products and finished products involved in the process. MS Pipe, PE Paint.
- 3 Particulars of sampling

Date of Sampling : 31-07-2023

Sr. No	Location Operation monitored	Identified Contaminant	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Coating Application Area	RSPM	Handy Sampler	2	2.15 mg/m ³ 2.91 mg/m ³	2.53 mg/m ³	10 mg/m ³	NIOSH-0600	4	-		Pankil
				2	70.9 dB 68.3 dB	69.6 dB	85 dB					
		2	VOC	Low Volume Pump	2	4.2 mg/m ³ 4.7 mg/m ³	4.25 mg/m ³	40 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.: 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 : 15-07-2023

Sr. No	Location/ Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)		Reference Method	Number of workers exposed at the location being monitored	Remark	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average	LEL (%)	(mg/m ³)					
1	LPG YARD	LEL	Gas Detector	02	...	ND	...	2.3 (Propane)	...	LEL monitor	-	P	Pankil
		RSPM	Handy Sampler	02	2.52 mg/m3 1.71 mg/m3	2.12 mg/m3	10 mg/m3	NIOSH-0600	3	-			
		Noise	Noise Meter	02	71.7 dB 69.3 dB	70.5 dB	85 dB	IS 4758					



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Wastewater Report

CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN/841C/51/V142/01

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 01/08/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/01	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	STP Outlet	Analysis End Date:	31/07/2023
Sample Quantity:	5 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	7.39	-	IS 3025- Part 11	6.5 to 8.5
2	Total Dissolved Solids	1034.00	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	25.00	mg/L	APHA 23rd Edn 5220 B	50
5	BOD at 20°C – 5 Days	7.20	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

Sachi

Analyzed By
Sachi Patel



P. B. Patel

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Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/841C/51/V142/02

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 01/08/2023



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/02	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	STP Inlet	Analysis End Date:	31/07/2023
Sample Quantity:	5 L	Sampling Method:	GGMPL/W1/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.48	-	IS 3025- Part 11	-
2	Total Dissolved Solids	1196.00	mg/L	APHA 23rd Edn 2540 C	-
3	Total Suspended Solids	118.00	mg/L	APHA 23rd Edn 2540 D	-
4	Chemical Oxygen Demand	115.00	mg/L	APHA 23rd Edn 5220 B	-
5	BOD at 20°C – 5 Days	36.00	mg/L	APHA 23rd Edn 5210 B	-

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

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

Sachi
Analyzed By
Sachi Patel



P. B. Patel
Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/841C/51/V142/02A

Reporting Date : 01/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/02	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	STP Inlet	Analysis End Date:	31/07/2023
Sample Quantity:	5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters*	Results	Unit	Test Method	Norm
1	Feacal Coliform	84	mpn/100mL	IS 1622	-

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

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/841C/51/V142/03

Reporting Date : 01/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/03	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	ETP Outlet	Analysis End Date:	31/07/2023
Sample Quantity:	5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.53	-	IS 3025- Part 11	6.5 to 8.5
2	Temperature °C	25.8	°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	97.24	mg/L	APHA 23rd Edn 4500 SO4 E	1000
6	Fluoride	0.49	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	897.00	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	173.95	mg/L	IS 3025- Part 32	600
12	Chemical Oxygen Demand	75.00	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

Sachi

Analyzed By
Sachi Patel



P.B. Patel

Authorized Signatory
Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/841C/51/V142/03

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415

Reporting Date : 01/08/2023



SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/03	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	ETP Outlet	Analysis End Date:	31/07/2023
Sample Quantity:	5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
13	Ammonical Nitrogen	7.84	mg/L	APHA 23rd Edn 4500 NH3 C	50
14	Sulphide	BQL (QL=0.2)	mg/L	APHA 23rd Edn 4500 S2 F	5
15	BOD at 27 o C for 3 days	23.00	mg/L	IS 3025- Part 44	30
16	Sodium	0.0128	%	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	1.59	-	GGMPL/SOP/W/52	26

Plant Name: Pipe Plant; GPCB ID : 18036

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

Sachi
Analyzed By
Sachi Patel



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Payal Patel

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/841C/51/V142/04

Reporting Date : 01/08/2023

JINDAL SAW LIMITED

Samaghogha, Mundra, Kutch-370415



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/04	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	BF SGP	Analysis End Date:	31/07/2023
Sample Quantity:	5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.49	-	IS 3025- Part 11	6.5 to 8.5
2	Temperature °C	27.6	°C	APHA 23rd Edn 2550 B	40
3	Color	15	CU	IS 3025- Part 4	100
4	Sulphate	116.12	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	1028.00	mg/L	APHA 23rd Edn 2540 C	2100
7	Total Suspended Solids	28.00	mg/L	APHA 23rd Edn 2540 D	100
8	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	10
9	Chloride	286.58	mg/L	IS 3025- Part 32	600
10	Chemical Oxygen Demand	50.00	mg/L	APHA 23rd Edn 5220 B	100
11	Ammonical Nitrogen	9.24	mg/L	APHA 23rd Edn 4500 NH3 C	50
12	BOD at 27 o C for 3 days	14	mg/L	IS 3025- Part 44	30

Plant Name: Blast Furnace-1 GPCB ID : 18037

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

Sachi

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Sachi Patel



P.B. Patel

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Payal Patel

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Report Number: GGMPL/PN/841C/51/V142/05

JINDAL SAW LIMITED
Samaghoha, Mundra, Kutch-370415

Reporting Date : 01/08/2023



SAMPLE DETAILS

Lab ID:	Lab/PN/841C/51/V142/05	Sampling Date:	24/07/2023
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	26/07/2023
Sample Type:	Waste Water	Analysis Start Date:	26/07/2023
Sample Description:	Rain Water Harvesting	Analysis End Date:	31/07/2023
Sample Quantity:	5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.68	-	IS 3025- Part 11	-
2	Sulphate	69.83	mg/L	APHA 23rd Edn 4500 SO4 E	-
3	Total Dissolved Solids	483.00	mg/L	APHA 23rd Edn 2540 C	-
4	Total Suspended Solids	16.00	mg/L	APHA 23rd Edn 2540 D	-
5	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	-
6	Chloride	163.95	mg/L	IS 3025- Part 32	-
7	Total Hardness as CaCO3	48.00	mg/L	APHA 23rd Edn 2340 C	-
8	BOD at 27 °C for 3 days	BQL (QL=2)	mg/L	IS 3025- Part 44	-

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

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

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