

**Report Issued to:**

**JINDAL SAW LIMITED**

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

**ENVIRONMENTAL MONTHLY MONITORING REPORT**  
**MONTH OF JUN'24**



**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](mailto:lab@gogreenmechanisms.com)**





# **Ambient Air Report**

## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/632D/52/01

Reporting Date: 11/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

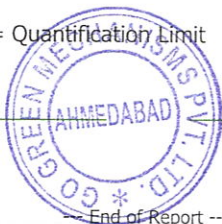
Lab ID:	Lab/PN/632D/52/01	Sampling Start Date:	03/06/2024(11:18 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/06/2024(11:18 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	05/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	06/06/2024-10/06/2024
Env. 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)	62.62	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.76	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.01	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

--- End of Report ---

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/632D/52/02

Reporting Date: 11/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

Lab ID:	Lab/PN/632D/52/02	Sampling Start Date:	03/06/2024 (11:41AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/06/2024 (11:41AM)
Sample Type:	Ambient Air	Sample Receipt Date:	05/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	06/06/2024-10/06/2024
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)	60.62	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)	16.03	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	23.05	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/632D/52/03

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 11/06/2024



TC-7073

### SAMPLE DETAILS

Lab ID:	Lab/PN/632D/52/03	Sampling Start Date:	03/06/2024 (12:10PM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	04/06/2024 (12:10PM)
Sample Type:	Ambient Air	Sample Receipt Date:	05/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	06/06/2024-10/06/2024
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)	56.10	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)	13.18	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.16	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/680D/52/01

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 14/06/2024



### SAMPLE DETAILS

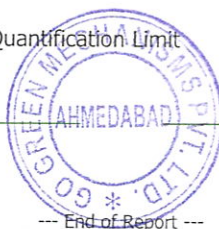
Lab ID:	Lab/PN/680D/52/01	Sampling Start Date:	07/06/2024 (11:05 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/06/2024 (11:05AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	10/06/2024-13/06/2024
Env. 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)	64.71	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)	18.11	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.60	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH - JUNE.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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Report Number : GGMPL/PN/680D/52/02

Reporting Date: 14/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch




### SAMPLE DETAILS

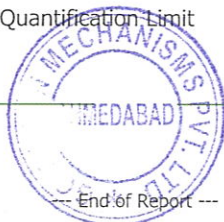
Lab ID:	Lab/PN/680D/52/02	Sampling Start Date:	07/06/2024 (11:37 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/06/2024 (11:37AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	10/06/2024-13/06/2024
Env. Cond.-Sampling:	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)	61.52	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	30.41	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.38	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.14	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH - JUNE.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

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JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 14/06/2024



### SAMPLE DETAILS

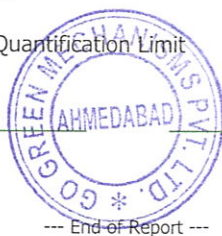
Lab ID:	Lab/PN/680D/52/03	Sampling Start Date:	07/06/2024 (11:52 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	08/06/2024 (11:52AM)
Sample Type:	Ambient Air	Sample Receipt Date:	09/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	10/06/2024-13/06/2024
Env. Cond.-Sampling:	Ambient temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.03	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	29.99	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	11.66	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.39	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH - JUNE.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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Reporting Date: 17/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

Lab ID:	Lab/PN/712D/52/01	Sampling Start Date:	10/06/2024 (11:18AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/06/2024 (11:18AM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	13/06/2024-17/06/2024
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)	63.53	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)	15.62	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.46	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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Reporting Date: 17/06/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch




### SAMPLE DETAILS

Lab ID:	Lab/PN/712D/52/02	Sampling Start Date:	10/06/2024 (11:48AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/06/2024 (11:48AM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	13/06/2024-17/06/2024
Env. Cond.-Sampling:	Ambient temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	59.27	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	31.66	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)	19.81	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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Gyanvati Shukla



  
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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/712D/52/03

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 17/06/2024




### SAMPLE DETAILS

Lab ID:	Lab/PN/712D/52/03	Sampling Start Date:	10/06/2024 (12:15PM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	11/06/2024 (12:15PM)
Sample Type:	Ambient Air	Sample Receipt Date:	12/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	13/06/2024-17/06/2024
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)	60.82	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)	13.27	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.43	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.1	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

  
Analyzed By  
Gyanvati Shukla



--- End of Report ---

  
Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/789D/52/01

Reporting Date: 24/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

Lab ID:	Lab/PN/789D/52/01	Sampling Start Date:	14/06/2024 (11:17AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/06/2024 (11:17AM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	18/06/2024-22/06/2024
Env. Cond.-Sampling:	Ambient temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

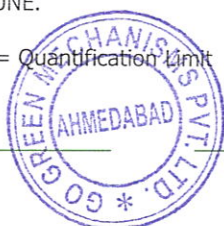
Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	62.45	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.83	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	17.23	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.01	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WSW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH - JUNE.

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



Analyzed By  
Gyanvati Shukla



--- End of Report ---



Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/789D/52/02

Reporting Date: 24/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073


### SAMPLE DETAILS

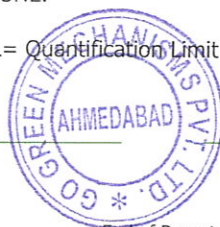
Lab ID:	Lab/PN/789D/52/02	Sampling Start Date:	14/06/2024 (11:41AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/06/2024 (11:41AM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	18/06/2024-22/06/2024
Env. Cond.-Sampling:	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)	60.37	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)	13.23	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.46	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WSW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH - JUNE.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/789D/52/03

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 24/06/2024




### SAMPLE DETAILS

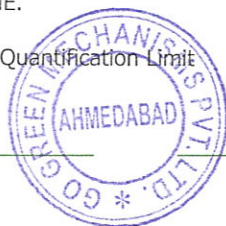
Lab ID:	Lab/PN/789D/52/03	Sampling Start Date:	14/06/2024 (12:03PM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/06/2024 (12:03PM)
Sample Type:	Ambient Air	Sample Receipt Date:	17/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	18/06/2024-22/06/2024
Env. Cond.-Sampling:	Ambient temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	58.66	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)	12.06	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.23	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	WSW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	5.6	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH - JUNE.

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

  
Analyzed By  
Gyanvati Shukla



--- End of Report ---

  
Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/805D/52/02

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 25/06/2024




### SAMPLE DETAILS

Lab ID:	Lab/PN/805D/52/02	Sampling Start Date:	17/06/2024 (10:53AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/06/2024 (10:53AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	20/06/2024-24/06/2024
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)	63.49	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.08	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.24	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

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Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/805D/52/03

Reporting Date: 25/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN/805D/52/03	Sampling Start Date:	17/06/2024 (11:27AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/06/2024(11:27AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	20/06/2024-24/06/2024
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)	32.08	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	14.03	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	19.81	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/805D/52/04

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 25/06/2024



TC-7073


### SAMPLE DETAILS

Lab ID:	Lab/PN/805D/52/04	Sampling Start Date:	17/06/2024 (11:48AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	18/06/2024 (11:48AM)
Sample Type:	Ambient Air	Sample Receipt Date:	19/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	20/06/2024-24/06/2024
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)	61.02	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	29.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.27	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.85	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	W	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.7	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/850D/52/01

Reporting Date: 27/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073


### SAMPLE DETAILS

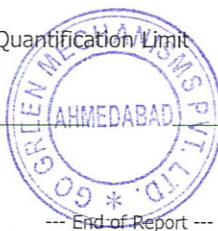
Lab ID:	Lab/PN/850D/52/01	Sampling Start Date:	21/06/2024 (11:05AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/06/2024 (11:05AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	24/06/2024-26/06/2024
Env. 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)	65.19	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.24	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	18.11	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.60	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WSW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN850D/52/02

Reporting Date: 27/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

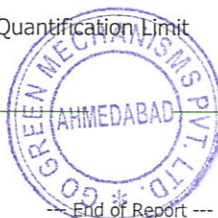
Lab ID:	Lab/PN850D/52/02	Sampling Start Date:	21/06/2024 (11:21AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/06/2024 (11:21AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	24/06/2024-26/06/2024
Env. Cond.-Sampling:	Ambient temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	58.55	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	33.33	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	16.38	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.01	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	WSW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.8	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN850D/52/03

Reporting Date: 27/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN850D/52/03	Sampling Start Date:	21/06/2024 (11:58AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	22/06/2024 (11:58AM)
Sample Type:	Ambient Air	Sample Receipt Date:	22/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	24/06/2024-26/06/2024
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)	59.75	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)	13.23	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.39	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	WSW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	3.8	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/892D/52/01

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073


### SAMPLE DETAILS

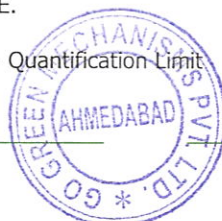
Lab ID:	Lab/PN/892D/52/01	Sampling Start Date:	24/06/2024 (10:55 AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/06/2024 (10:55 AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/06/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	27/06/2024-01/07/2024
Env. 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)	63.41	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)	15.32	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	22.01	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.9	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

  
Analyzed By  
Gyanvati Shukla



--- End of Report ---

  
Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/892D/52/02

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch




### SAMPLE DETAILS

Lab ID:	Lab/PN/892D/52/02	Sampling Start Date:	24/06/2024 (11:21AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/06/2024 (11:21AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/06/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	27/06/2024-01/07/2024
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)	60.37	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	34.16	µg/m3	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO2)	13.18	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.39	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.9	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/892D/52/03

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

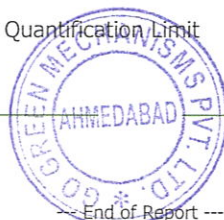
Lab ID:	Lab/PN/892D/52/03	Sampling Start Date:	24/06/2024 (11:48AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	25/06/2024 (11:48AM)
Sample Type:	Ambient Air	Sample Receipt Date:	26/06/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	27/06/2024-01/07/2024
Env. 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)	56.06	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)	12.02	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.65	µg/m3	IS 5182- Part 6	80
5	Carbon Monoxide (CO)	BQL (QL=0.01)	mg/m3	IS 5182- Part 10	4
6	Wind Direction	WNW	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	7.9	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/1048D/52/01

Reporting Date: 03/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch




### SAMPLE DETAILS

Lab ID:	Lab/PN/1048D/52/01	Sampling Start Date:	28/06/2024 (10:59AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/06/2024(10:59AM)
Sample Type:	Ambient Air	Sample Receipt Date:	01/07/2024
Sample Description:	Nr. Water Reservoir	Analysis start- End Date:	01/07/2024-03/07/2024
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)	62.13	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)	16.08	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	20.20	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	ESE	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.5	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/1048D/52/02

Reporting Date: 03/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

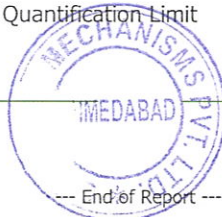
Lab ID:	Lab/PN/1048D/52/02	Sampling Start Date:	28/06/2024 (10:18AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/06/2024(10:18AM)
Sample Type:	Ambient Air	Sample Receipt Date:	01/07/2024
Sample Description:	Nr. Labour Colony	Analysis start- End Date:	01/07/2024-03/07/2024
Env. Cond.-Sampling:	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)	61.31	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)	14.61	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.24	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	ESE	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.5	Km/Hrs	GGMPL/SOP/MP/01	NS

AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/1048D/52/03

Reporting Date: 03/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

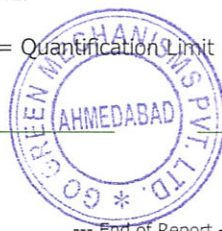
Lab ID:	Lab/PN/1048D/52/03	Sampling Start Date:	28/06/2024 (11:42AM)
Sample Drawn By:	Laboratory Representative	Sampling End Date:	29/06/2024 (11:42AM)
Sample Type:	Ambient Air	Sample Receipt Date:	01/07/2024
Sample Description:	Nr. Bachelor Colony	Analysis start- End Date:	01/07/2024-03/07/2024
Env. 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)	60.58	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)	11.76	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	ESE	Direction	GGMPL/SOP/MP/01	NS
7	Average Wind Speed	4.5	Km/Hrs	GGMPL/SOP/MP/01	NS

### AMBIENT AIR QUALITY REPORT FOR THE MONTH-JUNE.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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Page No : 1/1

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# **Fugitive Monitoring Report**

## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/830D/52/01

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 28/06/2024



### SAMPLE DETAILS

Lab ID:	Lab/PN/830D/52/01	Sampling Start Date:	20/06/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	20/06/2024
Sample Type:	Fugitive	Sample Receipt Date:	21/06/2024
Sample Description:	Coke Oven Battery Area 3 & 4	Analysis start- End Date:	24/06/2024-27/06/2024
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	27.10	µg/m <sup>3</sup>	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO <sub>2</sub> )	15.90	µg/m <sup>3</sup>	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m <sup>3</sup>	IS 5182 (part 10)	10 for 1 hr
4	Benzo(a)pyrene	BQL (QL=0.5)	ng/m <sup>3</sup>	IS 5182 (part 12)	5
5	Suspended Particulate Matter (SPM)	2026.56	µg/m <sup>3</sup>	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT plant: WHRPP & Coke Oven plant; GPCB ID: 18035. Norms as per Integrated Iron & Steel Standards G.S.R. 277(E).

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/926D/52/01

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073


### SAMPLE DETAILS

Lab ID:	Lab/PN/926D/52/01	Sampling Start Date:	26/06/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	26/06/2024
Sample Type:	Fugitive	Sample Receipt Date:	27/06/2024
Sample Description:	Coke Oven Battery 1 & 2	Analysis start- End Date:	28/06/2024-01/07/2024
Env. Cond.-Sampling:	Ambient temperature	Total Sampling hours:	8.0
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	38.46	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO <sub>2</sub> )	24.50	µg/m <sup>3</sup>	IS 5182 (Part 2)	150
3	Carbon Monoxide	BQL (QL=0.01)	mg/m3	IS 5182 (part 10)	10 for 1 hr
4	Benzo(a)pyrene	BQL (QL=0.5)	ng/m3	IS 5182 (part 12)	5
5	Suspended Particulate Matter (SPM)	2052.59	µg/m3	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant: WHRPP & Coke Oven Plant; GPCB ID: 18035.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/789D/52/04

Reporting Date: 24/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN/789D/52/04	Sampling Start Date:	15/06/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	15/06/2024
Sample Type:	Fugitive	Sample Receipt Date:	17/06/2024
Sample Description:	SGU Packing Area	Analysis start- End Date:	18/06/2024-22/06/2024
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	26.22	µg/m <sup>3</sup>	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO <sub>2</sub> )	18.11	µg/m <sup>3</sup>	IS 5182 (Part 2)	150
3	Suspended Particulate Matter (SPM)	1799.92	µg/m <sup>3</sup>	IS 5182 (part 4)	3000

FUGITIVE MONITORING MEASUREMENT Plant Name: Slag Grinding Plant; GPCB ID : 31304. Norms As Per Integrated Iron & Steel Standards G.S.R. 277(E).

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

Analyzed By  
Gyanvati Shukla



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Manish Kumawat

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# **Stack Monitoring Report**

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/926D/52/02

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN/926D/52/02	Sampling Date:	26/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/06/2024
Sample Type:	Stack	Analysis start- End Date:	28/06/2024-01/07/2024
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	161
Stack Attached To:	Boiler-I	Stack gas velocity (m/sec):	8.61
Fuel Used:	-	Volume of Air Sampled in NM3:	1.228

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	32.33	mg/Nm <sup>3</sup>	IS 11255- Part 1	150
2	Oxides of Nitrogen	18.80	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	50
3	Sulphur Dioxide	26.18	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	100

STACK MONITORING Plant Name: WHRPP & Coke Oven Plant; GPCB ID : 18035.

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/926D/52/03

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN/926D/52/03	Sampling Date:	26/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/06/2024
Sample Type:	Stack	Analysis start- End Date:	28/06/2024-01/07/2024
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	166
Stack Attached To:	Boiler -II	Stack gas velocity (m/sec):	8.27
Fuel Used:	-	Volume of Air Sampled in NM3:	1.179

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	35.28	mg/Nm <sup>3</sup>	IS 11255- Part 1	150
2	Oxides of Nitrogen	22.56	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	50
3	Sulphur Dioxide	28.80	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	100

STACK MONITORING Plant Name: WHRPP & Coke Oven Plant; GPCB ID : 18035.

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

Analyzed By  
Gyanvati Shukla



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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/926D/52/04

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

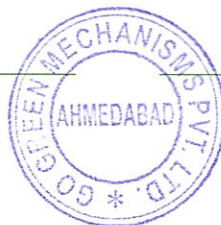
Lab ID:	Lab/PN/926D/52/04	Sampling Date:	26/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/06/2024
Sample Type:	Stack	Analysis start- End Date:	28/06/2024-01/07/2024
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	172
Stack Attached To:	Boiler -III	Stack gas velocity (m/sec):	8.40
Fuel Used:	-	Volume of Air Sampled in NM3:	1.179

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	28.49	mg/Nm <sup>3</sup>	IS 11255- Part 1	150
2	Oxides of Nitrogen	16.92	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	50
3	Sulphur Dioxide	18.32	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	100

STACK MONITORING Plant Name: WHRPP & Coke Oven Plant; GPCB ID : 18035.

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

Analyzed By  
Gyanvati Shukla



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Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/926D/52/05

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch




### SAMPLE DETAILS

Lab ID:	Lab/PN/926D/52/05	Sampling Date:	26/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	27/06/2024
Sample Type:	Stack	Analysis start- End Date:	28/06/2024-01/07/2024
Stack Height & Dia (m):	50 & 1.5	Stack Temperature (°C):	176
Stack Attached To:	Boiler -IV	Stack gas velocity (m/sec):	8.88
Fuel Used:	-	Volume of Air Sampled in NM3:	1.230

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	32.74	mg/Nm <sup>3</sup>	IS 11255- Part 1	150
2	Oxides of Nitrogen	22.56	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	50
3	Sulphur Dioxide	23.56	mg/Nm <sup>3</sup>	GGMPL/SOP/SEA/68	100

STACK MONITORING Plant Name: WHRPP & Coke Oven Plant; GPCB ID : 18035.

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

  
Analyzed By  
Gyanvati Shukla



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Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/830D/52/02

Reporting Date: 28/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN/830D/52/02	Sampling Date:	20/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/06/2024
Sample Type:	Stack	Analysis start- End Date:	24/06/2024-27/06/2024
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	41
Stack Attached To:	Raw Material Hopper & Mill	Stack gas velocity (m/sec):	4.08
Fuel Used:	-	Volume of Air Sampled in NM3:	0.7818

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	38.63	mg/Nm <sup>3</sup>	IS 11255- Part 1	150

STACK MONITORING plant Name: Slag Grinding Plant; GPCB ID : 31304/ APCM-Bag Filter

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/830D/52/06

Reporting Date: 28/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073


### SAMPLE DETAILS

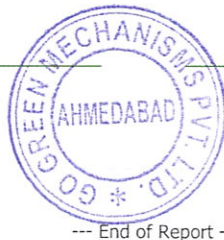
Lab ID:	Lab/PN/830D/52/06	Sampling Date:	20/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/06/2024
Sample Type:	Stack	Analysis start- End Date:	24/06/2024-27/06/2024
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	49
Stack Attached To:	Separator	Stack gas velocity (m/sec):	4.32
Fuel Used:	-	Volume of Air Sampled in NM3:	0.8333

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	36.00	mg/Nm <sup>3</sup>	IS 11255- Part 1	150

STACK MONITORING plant Name: Slag Grinding Plant; GPCB ID : 31304/ APCM-Bag Filter

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

  
Analyzed By  
Gyanvati Shukla



--- End of Report ---

  
Authorized Signatory  
Manish Kumawat

Page No : 1/1

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# **Bag House Performance Evaluation Report**

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/830D/52/05

Reporting Date: 28/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Lab ID:	Lab/PN/830D/52/05	Sampling Date:	20/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/06/2024
Sample Type:	Stack	Analysis start- End Date:	24/06/2024-27/06/2024
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	54
Stack Attached To:	Ball Mill	Stack gas velocity (m/sec):	13.76
Fuel Used:	-	Volume of Air Sampled in NM3:	1.1237

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	1759.90	mg/Nm <sup>3</sup>	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	37.94	mg/Nm <sup>3</sup>	IS 11255- Part 1	150

STACK MONITORING plant Name: Slag Grinding Plant; GPCB ID : 31304/ APCM-Bag Filter

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



Analyzed By  
Gyanvati Shukla



--- End of Report ---



Authorized Signatory  
Manish Kumawat

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To,

JINDAL SAW LIMITED

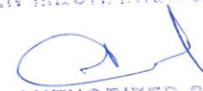
Village-Pragpar, Taluka-Mundra, Dist-Kutch

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.	Lab/PN/830D/52/05	Ball Mill	97.8
Plant Name: Slag Grinding Plant; GPCB ID: 31304 /APCM-Bag Filter			



GO GREEN MECHANISMS PVT. LTD.

  
AUTHORIZED SIGNATORY

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/830D/52/03

Reporting Date: 28/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

Lab ID:	Lab/PN/830D/52/03	Sampling Date:	20/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	21/06/2024
Sample Type:	Stack	Analysis start- End Date:	24/06/2024-27/06/2024
Stack Height & Dia (m):	30 & 0.6	Stack Temperature (°C):	48
Stack Attached To:	Raw Material Hopper & Mill	Stack gas velocity (m/sec):	10.85
Fuel Used:	-	Volume of Air Sampled in NM3:	0.9314

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM) (Inlet)	2240.61	mg/Nm <sup>3</sup>	IS 11255- Part 1	-
2	Particulate Matter (PM) (Outlet)	38.63	mg/Nm <sup>3</sup>	IS 11255- Part 1	150

STACK MONITORING plant Name: Slag Grinding Plant; GPCB ID : 31304/ APCM-Bag Filter

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

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To,

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist-Kutch

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/830D/52/03	Raw Material Hopper & Mill	98.3
Plant Name: Slag Grinding Plant; GPCB ID: 31304 /APCM-Bag Filter			



GO GREEN MECHANISMS PVT LTD.



AUTHORIZED SIGNATORY

# **Ambient Noise Monitoring Report**



## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/850D/52/05

Reporting Date: 27/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By : Laboratory Representative

Sampling Date: 21/06/2024  
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/850D/52/05	Labour Colony	Day Time	db(A)Leq	IS 9989	52.9	55
2	Lab/PN/850D/52/05	Labour Colony	Night Time	db(A)Leq	IS 9989	41.8	45

AMBIENT NOISE LEVEL MONITORING Value In dB(A) Day Time: Min 46.1, Max 59.4 Value In dB(A) Night Time: Min 37.6, Max 45.2

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN850D/52/04

Reporting Date: 27/06/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter

Sample By Laboratory Representative

Sampling Date:

21/06/2024

Sample Description:

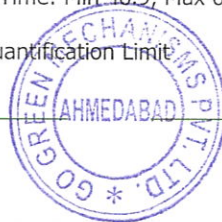
Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN850D/52/04	Water Reservoir	Day Time	db(A)Leq	IS 9989	56.8	75
2	Lab/PN850D/52/04	Water Reservoir	Night Time	db(A)Leq	IS 9989	44.4	70

AMBIENT NOISE LEVEL MONITORING Value In dB(A) Day Time: Min 48.9, Max 62.2 Value In dB(A) Night Time: Min 39.1, Max 48.9

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

Analyzed By  
Gyanvati Shukla



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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/892D/52/04

Reporting Date: 02/07/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sampling By : Laboratory Representative

Sampling Date: 24/06/2024  
Sample Description: Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/892D/52/04	Bachelor Colony	Day Time	db(A)Leq	IS 9989	53.6	55
2	Lab/PN/892D/52/04	Bachelor Colony	Night Time	db(A)Leq	IS 9989	42.6	45

AMBIENT NOISE LEVEL MONITORING Value In dB(A) Day Time : Min: 46.1, Max 58.4 & Value In dB(A) Night Time : Min: 40.2, Max 45.6

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

Analyzed By  
Gyanvati Shukla



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# **Workzone Noise Report**



## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/789D/52/07

Reporting Date: 24/06/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By : Laboratory Representative

Sampling Date: 15/06/2024  
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/789D/52/09A	SGU Office	Day Time	dB(A)Leq	IS 4758	57.8	85
2	Lab/PN/789D/52/09B	Quality Control Room	Day Time	dB(A)Leq	IS 4758	59.3	85
3	Lab/PN/789D/52/09C	Packing Area	Day Time	dB(A)Leq	IS 4758	70.1	85
4	Lab/PN/789D/52/09A	SGU Office	Night Time	dB(A)Leq	IS 4758	56.3	85
5	Lab/PN/789D/52/09B	Quality Control Room	Night Time	dB(A)Leq	IS 4758	57.3	85
6	Lab/PN/789D/52/09C	Packing Area	Night Time	dB(A)Leq	IS 4758	68.9	85

WORKZONE NOISE LEVEL MONITORING Plant Name: Slag Grinding Plant; GPCB ID: 31304 Norms as per factory Act 1948(8 hr per day exposure).

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

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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/926D/52/06

Reporting Date: 02/07/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By : Laboratory Representative

Sampling Date: 26/06/2024  
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/926D/52/06A	WHRPP Control Room	Day Time	dB(A)Leq	IS 4758	58.2	85
2	Lab/PN/926D/52/06B	Compressor Room	Day Time	dB(A)Leq	IS 4758	74.9	85
3	Lab/PN/926D/52/06C	Turbine	Day Time	dB(A)Leq	IS 4758	73.6	85
4	Lab/PN/926D/52/06D	DM Plant	Day Time	dB(A)Leq	IS 4758	71.2	85
5	Lab/PN/926D/52/06E	Battery 1 & 2	Day Time	dB(A)Leq	IS 4758	67.6	85
6	Lab/PN/926D/52/06F	Coke Oven Office	Day Time	dB(A)Leq	IS 4758	56.4	85
7	Lab/PN/926D/52/06G	Coke Cutter-2	Day Time	dB(A)Leq	IS 4758	72.4	85
8	Lab/PN/926D/52/06A	WHRPP Control Room	Night Time	dB(A)Leq	IS 4758	56.2	85
9	Lab/PN/926D/52/06B	Compressor Room	Night Time	dB(A)Leq	IS 4758	70.8	85
10	Lab/PN/926D/52/06C	Turbine	Night Time	dB(A)Leq	IS 4758	67.2	85
11	Lab/PN/926D/52/06D	DM Plant	Night Time	dB(A)Leq	IS 4758	69.9	85

WORKZONE NOISE LEVEL MONITORING Plant Name: WHRPP & Coke Oven Plant ; GPCB ID : 18035; As Per Factory Act 1948 (8 hr Per day exposure.)

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

Analyzed By  
Gyanvati Shukla



Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/926D/52/06

Reporting Date: 02/07/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By : Laboratory Representative

Sampling Date: 26/06/2024  
Sample Description: Workzone Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
12	Lab/PN/926D/52/06E	Battery 1 & 2	Night Time	dB(A)Leq	IS 4758	64.2	85
13	Lab/PN/926D/52/06F	Coke Oven Office	Night Time	dB(A)Leq	IS 4758	54.5	85
14	Lab/PN/926D/52/06G	Coke Cutter-2	Night Time	dB(A)Leq	IS 4758	70.8	85

WORKZONE NOISE LEVEL MONITORING Plant Name: WHRPP & Coke Oven Plant ; GPCB ID : 18035; As Per Factory Act 1948 (8 hr Per day exposure.)

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

Analyzed By  
Gyanvati Shukla



--- End of Report ---

Authorized Signatory  
Manish Kumawat

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**Form -37**



# **Wastewater Report**

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/805D/52/01

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date : 25/06/2024




### SAMPLE DETAILS

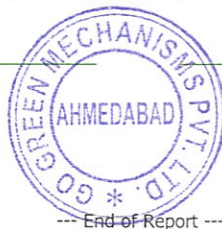
Lab ID:	Lab/PN/805D/52/01	Sampling Date:	17/06/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	19/06/2024
Sample Type:	Waste Water	Analysis Start Date:	20/06/2024
Sample Description:	Coke Quenching	Analysis End Date:	24/06/2024
Sample Quantity:	5 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.43	-	IS 3025- Part 11	6.5-8.5
2	Phenolic compounds	BQL (QL=0.01)	mg/L	IS 3025- Part 43	1.0
3	Total Dissolved Solids	613.00	mg/L	APHA 23rd Edn 2540 C	2100
4	Total Suspended Solids	BQL (QL=10)	mg/L	APHA 23rd Edn 2540 D	100
5	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	10
6	Chemical Oxygen Demand	70.00	mg/L	APHA 23rd Edn 5220 B	250
7	Ammonical Nitrogen	BQL (QL=0.5)	mg/L	APHA 23rd Edn 4500 NH3 C	50
8	BOD at 27 °C for 3 days	21	mg/L	IS 3025- Part 44	30
9	Cyanide	BQL (QL=0.05)	mg/L	APHA 4500 C & E 24th Edition	0.2

Plant Name: WHRPP & Coke Oven Plant; GPCB ID : 18035.

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

  
Analyzed By  
Gyanvati Shukla



  
Authorized Signatory  
Manish Kumawat

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## Form No. 37

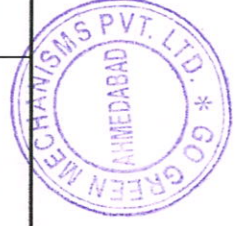
(Prescribed under Rule 12-B)

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

- 1 Name of the Department/Plant.: WHRPP & Coke Oven Plant at JINDAL SAW LIMITED, Pragpar. (GPCB ID:18035)
- 2 Raw materials, by products and finished products involved in the process. Coal, Waste heat, Coke & Power
- 3 Particulars of sampling

Date of Sampling : 15.06.2024

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	Coke Oven Plant (Nr. Battery 3 & 4 Stamping area)	CO	CO Analyzer	2	1.60 mg/m <sup>3</sup> 1.72 mg/m <sup>3</sup>	1.66 mg/m <sup>3</sup>	40 mg/m <sup>3</sup>	IS 5182 (Part-10)	4			Vishal
		RSPM	Handy Sampler	2	2.74 mg/m <sup>3</sup> 3.13 mg/m <sup>3</sup>	2.94 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NIOSH 0600				
		Benzo(a)pyrene	Handy Sampler	2	BQL (OL=0.005) BQL (OL=0.005)	BQL (QL=0.005) mg/m <sup>3</sup>	NS	NIOSH 5515				
		Noise	Noise Meter	2	67.5 db(A)Leq 65.9 db(A)Leq	66.7 db(A)Leq	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.: Slag Grinding Plant at JINDAL SAW LIMITED, Pragpar. (GPCB ID:31304)

2 Raw materials, by products and finished products involved in the process. Blast Furnace Granulated Slag &amp; Ground Granulated Slag

3 Particulars of sampling

Date of Sampling : 15.06.2024

Sr. No	Location Operation monitored	Identified Contaminate	Sampling Instrument used	Airborne Contamination			TWA concentration (As given in Second Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of sample	Range	Average						
1	2	3	4	5	6	7	8	9	10	11	12	13
2	Raw materials charging point	RSPM	Handy Sampler	2	2.25 mg/m <sup>3</sup> 2.67 mg/m <sup>3</sup>	2.46 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NIOSH 0600	4	-		Vishal
		Noise	Noise Meter	2	71.5 dB(A)Leq 67.6 dB(A)Leq	69.6 dB(A)Leq	85 dB(A)Leq	IS 4758				



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