

**Report Issued to:**

**JINDAL SAW LIMITED**

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

**ENVIRONMENTAL MONTHLY MONITORING REPORT**  
**MONTH OF MAY'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/337D/52/01  
JINDAL SAW LIMITED  
Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 09/05/2024



### SAMPLE DETAILS

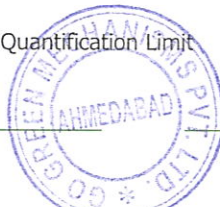
|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/337D/52/01         | Sampling Start Date:      | 03/05/2024(10:42 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 04/05/2024(10:42 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 05/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 06/05/2024-08/05/2024 |
| 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)  | 64.07         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 38.33         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 19.06         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 26.43         | 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             | WNW           | Direction | GGMPL/SOP/MP/01                          | NS             |
| 7     | Average Wind Speed         | 1.4           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*  
Analyzed By  
Aarmi Patel



*Manish Kumawat*  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/337D/52/02

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 09/05/2024



TC-7073


### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/337D/52/02         | Sampling Start Date:      | 03/05/2024(10:59 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 04/05/2024(10:59 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 05/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 06/05/2024-08/05/2024 |
| 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)  | 61.45         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 32.08         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 17.45         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 24.25         | 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         | 1.4           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

  
Analyzed By  
Aarmi Patel



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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**Head Office & Lab**

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Gujarat. INDIA

Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

**CERTIFICATE OF ANALYSIS**

Report Number : GGMPL/PN/337D/52/03

Reporting Date: 09/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

**SAMPLE DETAILS**

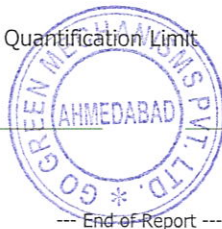
|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/337D/52/03         | Sampling Start Date:      | 03/05/2024(11:37 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 04/05/2024(11:37 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 05/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 06/05/2024-08/05/2024 |
| 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)  | 59.16         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 31.24         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 14.72         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 21.07         | 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         | 1.4           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

**AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY**

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

*ABPatel*  
Analyzed By  
Aarmi Patel



*[Signature]*  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/376D/52/01

Reporting Date: 13/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/376D/52/01         | Sampling Start Date:      | 06/05/2024(11:28 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 07/05/2024(11:28 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 08/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 09/05/2024-11/05/2024 |
| 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)  | 61.59         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 35.41         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 17.91         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 24.31         | 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         | 2.1           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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Reporting Date: 13/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

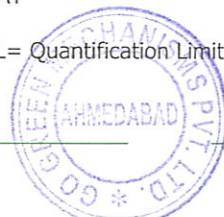
|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/376D/52/02         | Sampling Start Date:      | 06/05/2024(11:53 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 07/05/2024(11:53 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 08/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 09/05/2024-11/05/2024 |
| 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)  | 58.35         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 33.33         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 15.45         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 22.06         | µg/m3     | IS 5182- Part 6                          | 80             |
| 5     | Carbon Monoxide (CO)       | BQL (QL=0.01) | mg/m3     | IS 5182- Part 10                         | 4              |
| 6     | Wind Direction             | W             | Direction | GGMPL/SOP/MP/01                          | NS             |
| 7     | Average Wind Speed         | 2.1           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

  
Analyzed By  
Aarmi Patel



  
Authorized Signatory  
Manish Kumawat

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### SAMPLE DETAILS

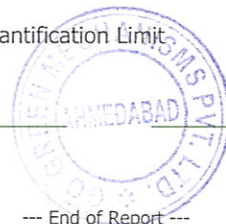
|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/376D/52/03         | Sampling Start Date:      | 06/05/2024(12:11 PM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 07/05/2024(12:11 PM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 08/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 09/05/2024-11/05/2024 |
| 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)  | 56.17         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 31.66         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 12.28         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 19.41         | 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         | 2.1           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*ABPS*  
Analyzed By  
Aarmi Patel



*[Signature]*  
Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/406D/52/01

Reporting Date: 17/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/406D/52/01         | Sampling Start Date:      | 10/05/2024(11:05 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 11/05/2024(11:05 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 12/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 13/05/2024-17/05/2024 |
| 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) | 34.58         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 16.85         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 25.09         | 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         | 1.3           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

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Aarmi Patel



*Manish Kumawat*  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/406D/52/02

Reporting Date: 17/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/406D/52/02         | Sampling Start Date:      | 10/05/2024(11:32 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 11/05/2024(11:32 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 12/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 13/05/2024-17/05/2024 |
| 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)  | 61.40         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 31.24         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 14.22         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 20.59         | 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         | 1.3           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*  
Analyzed By  
Aarmi Patel



*Manish Kumawat*  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/406D/52/03

Reporting Date: 17/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/406D/52/03         | Sampling Start Date:      | 10/05/2024(11:58 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 11/05/2024(11:58 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 12/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 13/05/2024-17/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

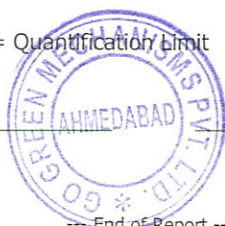
| Sr.No | Parameters                 | Results       | Unit      | Test Method                           | NAAQ Standards |
|-------|----------------------------|---------------|-----------|---------------------------------------|----------------|
| 1     | Particulate Matter (PM10)  | 60.15         | 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)      | 12.28         | µg/m3     | IS 5182-Part 2                        | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 18.82         | µg/m3     | IS 5182- Part 6                       | 80             |
| 5     | Carbon Monoxide (CO)       | BQL (QL=0.01) | mg/m3     | IS 5182- Part 10                      | 4              |
| 6     | Wind Direction             | W             | Direction | GGMPL/SOP/MP/01                       | NS             |
| 7     | Average Wind Speed         | 1.3           | Km/Hrs    | GGMPL/SOP/MP/01                       | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*

Analyzed By  
Aarmi Patel



*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/426D/52/01

Reporting Date: 20/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/426D/52/01         | Sampling Start Date:      | 13/05/2024(11:50 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 14/05/2024(11:50 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 15/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 16/05/2024-18/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

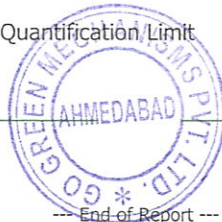
| Sr.No | Parameters                 | Results       | Unit      | Test Method                              | NAAQ Standards |
|-------|----------------------------|---------------|-----------|--|----------------|
| 1     | Particulate Matter (PM10)  | 65.19         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 38.74         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 19.66         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 28.23         | 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             | W             | Direction | GGMPL/SOP/MP/01                          | NS             |
| 7     | Average Wind Speed         | 1.0           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

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

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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Report Number : GGMPL/PN/426D/52/02

Reporting Date: 20/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073


### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/426D/52/02         | Sampling Start Date:      | 13/05/2024(12:25 PM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 14/05/2024(12:25 PM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 15/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 16/05/2024-18/05/2024 |
| 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)  | 63.29         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 36.24         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 17.37         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 26.14         | 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         | 1.0           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

  
Analyzed By  
Aarmi Patel



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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Reporting Date: 20/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/426D/52/03         | Sampling Start Date:      | 13/05/2024(12:55 PM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 14/05/2024(12:55 PM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 15/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 16/05/2024-18/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

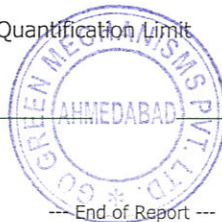
| Sr.No | Parameters                 | Results       | Unit      | Test Method                              | NAAQ Standards |
|-------|----------------------------|---------------|-----------|--|----------------|
| 1     | Particulate Matter (PM10)  | 61.45         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 33.33         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 14.73         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 23.53         | µg/m3     | IS 5182- Part 6                          | 80             |
| 5     | Carbon Monoxide (CO)       | BQL (QL=0.01) | mg/m3     | IS 5182- Part 10                         | 4              |
| 6     | Wind Direction             | W             | Direction | GGMPL/SOP/MP/01                          | NS             |
| 7     | Average Wind Speed         | 1.0           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/471D/52/01

Reporting Date: 28/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/471D/52/01         | Sampling Start Date:      | 20/05/2024(10:57 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 21/05/2024(10:57 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 22/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 23/05/2024-27/05/2024 |
| 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)  | 62.73         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 36.66         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 17.85         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 26.47         | 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         | 7.1           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

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Reporting Date: 28/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/471D/52/02         | Sampling Start Date:      | 20/05/2024(11:21 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 21/05/2024(11:21 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 22/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 23/05/2024-27/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

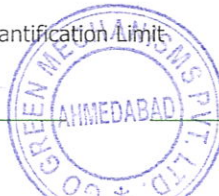
| Sr.No | Parameters                 | Results       | Unit      | Test Method                              | NAAQ Standards |
|-------|----------------------------|---------------|-----------|--|----------------|
| 1     | Particulate Matter (PM10)  | 60.42         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 34.16         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 15.75         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 24.70         | 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         | 7.1           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

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/471D/52/03

Reporting Date: 28/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/471D/52/03         | Sampling Start Date:      | 20/05/2024(11:51 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 21/05/2024(11:51 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 22/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 23/05/2024-27/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

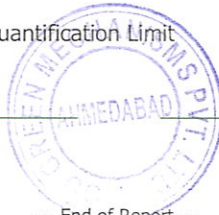
| Sr.No | Parameters                 | Results       | Unit      | Test Method                           | NAAQ Standards |
|-------|----------------------------|---------------|-----------|---------------------------------------|----------------|
| 1     | Particulate Matter (PM10)  | 58.40         | µg/m3     | IS 5182- Part 23                      | 100            |
| 2     | Particulate Matter (PM2.5) | 32.49         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02 August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 13.74         | µg/m3     | IS 5182-Part 2                        | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 21.47         | 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         | 7.1           | Km/Hrs    | GGMPL/SOP/MP/01                       | NS             |

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

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/521D/52/01

Reporting Date: 30/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/521D/52/01         | Sampling Start Date:      | 24/05/2024(11:47 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 25/05/2024(11:47 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 26/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 27/05/2024-29/05/2024 |
| 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)  | 60.08         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 37.49         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 16.43         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 24.57         | 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         | 4.9           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

  
Analyzed By  
Aarmi Patel



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/521D/52/02

Reporting Date: 30/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/521D/52/02         | Sampling Start Date:      | 24/05/2024(11:58 AM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 25/05/2024(11:58 AM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 26/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 27/05/2024-29/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

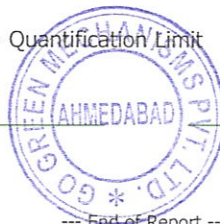
| Sr.No | Parameters                 | Results       | Unit      | Test Method                              | NAAQ Standards |
|-------|----------------------------|---------------|-----------|--|----------------|
| 1     | Particulate Matter (PM10)  | 58.15         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 33.33         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 14.47         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 22.22         | 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         | 4.9           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*Aarmi Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/521D/52/03

Reporting Date: 30/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/521D/52/03         | Sampling Start Date:      | 24/05/2024(12:22 PM)  |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 25/05/2024(12:22 PM)  |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 26/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 27/05/2024-29/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

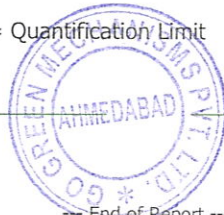
| Sr.No | Parameters                          | Results       | Unit              | Test Method                              | NAAQ Standards |
|-------|-------------------------------------|---------------|-------------------|--|----------------|
| 1     | Particulate Matter (PM10)           | 56.45         | µg/m <sup>3</sup> | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5)          | 29.16         | µg/m <sup>3</sup> | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO <sub>2</sub> )  | 12.56         | µg/m <sup>3</sup> | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO <sub>2</sub> ) | 19.34         | µg/m <sup>3</sup> | IS 5182- Part 6                          | 80             |
| 5     | Carbon Monoxide (CO)                | BQL (QL=0.01) | mg/m <sup>3</sup> | IS 5182- Part 10                         | 4              |
| 6     | Wind Direction                      | W             | Direction         | GGMPL/SOP/MP/01                          | NS             |
| 7     | Average Wind Speed                  | 4.9           | Km/Hrs            | GGMPL/SOP/MP/01                          | NS             |

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

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/559D/52/01

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 31/05/2024



### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/559D/52/01         | Sampling Start Date:      | 27/05/2024 (11:17 AM) |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 28/05/2024 (11:17 AM) |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 29/05/2024            |
| Sample Description:        | Nr. Water Reservoir       | Analysis start- End Date: | 29/05/2024-31/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

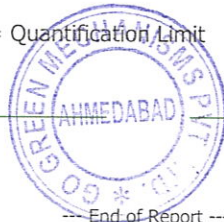
| Sr.No | Parameters                 | Results       | Unit      | Test Method                              | NAAQ Standards |
|-------|----------------------------|---------------|-----------|--|----------------|
| 1     | Particulate Matter (PM10)  | 64.31         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 42.49         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 18.20         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 26.47         | 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         | 2.8           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

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

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/559D/52/02

Reporting Date: 31/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/559D/52/02         | Sampling Start Date:      | 27/05/2024 (11:41 AM) |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 28/05/2024 (11:41 AM) |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 29/05/2024            |
| Sample Description:        | Nr. Labour Colony         | Analysis start- End Date: | 29/05/2024-31/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature       | Total Sampling hours:     | 24                    |
| Env. Cond.-Sample Receipt: | Satisfactory              | Env. Cond.-Testing:       | 25±5°C                |

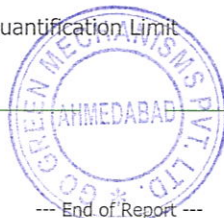
| Sr.No | Parameters                 | Results       | Unit      | Test Method                              | NAAQ Standards |
|-------|----------------------------|---------------|-----------|--|----------------|
| 1     | Particulate Matter (PM10)  | 62.67         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 39.16         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 16.45         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 24.41         | 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         | 2.8           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

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

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/559D/52/03

Reporting Date: 31/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/559D/52/03         | Sampling Start Date:      | 27/05/2024 (12:02 PM) |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 28/05/2024 (12:02 PM) |
| Sample Type:               | Ambient Air               | Sample Receipt Date:      | 29/05/2024            |
| Sample Description:        | Nr. Bachelor Colony       | Analysis start- End Date: | 29/05/2024-31/05/2024 |
| 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)  | 60.13         | µg/m3     | IS 5182- Part 23                         | 100            |
| 2     | Particulate Matter (PM2.5) | 36.24         | µg/m3     | GGMPL/SOP/AA/60 Issue No.02<br>August 01 | 60             |
| 3     | Sulphur Dioxide (SO2)      | 14.75         | µg/m3     | IS 5182-Part 2                           | 80             |
| 4     | Nitrogen Dioxide (NO2)     | 21.44         | 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         | 2.8           | Km/Hrs    | GGMPL/SOP/MP/01                          | NS             |

AMBIENT AIR QUALITY REPORT FOR THE MONTH-MAY

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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# **Fugitive Monitoring Report**

## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/397D/52/01

Reporting Date: 16/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                              |                           |                       |
|----------------------------|------------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/397D/52/01            | Sampling Start Date:      | 09/05/2024            |
| Sample Drawn By:           | Laboratory Representative    | Sampling End Date:        | 09/05/2024            |
| Sample Type:               | Fugitive                     | Sample Receipt Date:      | 10/05/2024            |
| Sample Description:        | Coke Oven Battery Area 3 & 4 | Analysis start- End Date: | 11/05/2024-15/05/2024 |
| Env. Cond.-Sampling:       | Ambient Temperature          | Total Sampling hours:     | 8                     |
| Env. Cond.-Sample Receipt: | Satisfactory                 | Env. Cond.-Testing:       | 25±5°C                |

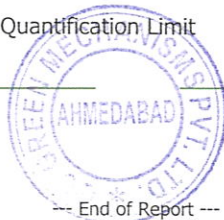
| Sr.No | Parameters                         | Results       | Unit              | Test Method       | Norms       |
|-------|------------------------------------|---------------|-------------------|-------------------|-------------|
| 1     | Oxides of Nitrogen                 | 26.66         | µg/m <sup>3</sup> | IS 5182 (Part 6)  | 120         |
| 2     | Sulphur Dioxide (SO <sub>2</sub> ) | 18.77         | 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) | 2064.94       | 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

*Aarmi Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/437D/52/01

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch

Reporting Date: 23/05/2024



### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/437D/52/01         | Sampling Start Date:      | 15/05/2024            |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 15/05/2024            |
| Sample Type:               | Fugitive                  | Sample Receipt Date:      | 16/05/2024            |
| Sample Description:        | Coke Oven Battery 1 & 2   | Analysis start- End Date: | 17/05/2024-22/05/2024 |
| 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                 | 44.99         | µg/m <sup>3</sup> | IS 5182 (Part 6)  | 120         |
| 2     | Sulphur Dioxide (SO <sub>2</sub> ) | 30.76         | 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) | 2207.52       | 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  
Aarmi Patel



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMP/L/PN/415D/52/01

Reporting Date: 18/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



TC-7073

### SAMPLE DETAILS

|                            |                           |                           |                       |
|----------------------------|---------------------------|---------------------------|-----------------------|
| Lab ID:                    | Lab/PN/415D/52/01         | Sampling Start Date:      | 11/05/2024            |
| Sample Drawn By:           | Laboratory Representative | Sampling End Date:        | 11/05/2024            |
| Sample Type:               | Fugitive                  | Sample Receipt Date:      | 13/05/2024            |
| Sample Description:        | SGU Packing Area          | Analysis start- End Date: | 14/05/2024-17/05/2024 |
| 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                 | 24.31   | µg/m <sup>3</sup> | IS 5182 (Part 6) | 120   |
| 2     | Sulphur Dioxide (SO <sub>2</sub> ) | 15.87   | µg/m <sup>3</sup> | IS 5182 (Part 2) | 150   |
| 3     | Suspended Particulate Matter (SPM) | 1849.84 | 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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Tantan Kumar*

Authorized Signatory  
Tantan Kumar

Page No : 1/1

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# **Stack Monitoring Report**

## CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/415D/52/02

Reporting Date: 18/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                         |                           |                               |                       |
|-------------------------|---------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/415D/52/02         | Sampling Date:                | 11/05/2024            |
| Sample Drawn By:        | Laboratory Representative | Sample Receipt Date:          | 13/05/2024            |
| Sample Type:            | Stack                     | Analysis start- End Date:     | 14/05/2024-17/05/2024 |
| Stack Height & Dia (m): | 50 & 1.5                  | Stack Temperature (°C):       | 163                   |
| Stack Attached To:      | Boiler-I                  | Stack gas velocity (m/sec):   | 8.65                  |
| Fuel Used:              | -                         | Volume of Air Sampled in NM3: | 1.2300                |

| Sr.No | Parameters         | Results | Unit               | Test Method      | Norms |
|-------|--------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter | 31.71   | mg/Nm <sup>3</sup> | IS 11255- Part 1 | 150   |
| 2     | Oxides of Nitrogen | 13.16   | mg/Nm <sup>3</sup> | GGMP/ SOP/SEA/68 | 50    |
| 3     | Sulphur Dioxide    | 20.94   | mg/Nm <sup>3</sup> | GGMP/ 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  
Aarmi Patel

Authorized Signatory  
Tantan Kumar

--- End of Report ---

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/415D/52/03

Reporting Date: 18/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                         |                           |                               |                       |
|-------------------------|---------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/415D/52/03         | Sampling Date:                | 11/05/2024            |
| Sample Drawn By:        | Laboratory Representative | Sample Receipt Date:          | 13/05/2024            |
| Sample Type:            | Stack                     | Analysis start- End Date:     | 14/05/2024-17/05/2024 |
| Stack Height & Dia (m): | 50 & 1.5                  | Stack Temperature (°C):       | 167                   |
| Stack Attached To:      | Boiler-II                 | Stack gas velocity (m/sec):   | 8.97                  |
| Fuel Used:              | -                         | Volume of Air Sampled in NM3: | 1.2300                |

| Sr.No | Parameters         | Results | Unit               | Test Method      | Norms |
|-------|--------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter | 34.23   | 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    | 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

*AB Patel*

Analyzed By  
Aarmi Patel



*Tantankumar*

Authorized Signatory  
Tantan Kumar

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/397D/52/02

Reporting Date: 16/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

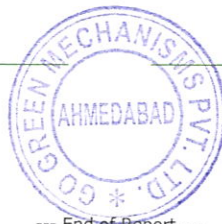
|                         |                           |                               |                       |
|-------------------------|---------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/397D/52/02         | Sampling Date:                | 09/05/2024            |
| Sample Drawn By:        | Laboratory Representative | Sample Receipt Date:          | 10/05/2024            |
| Sample Type:            | Stack                     | Analysis start- End Date:     | 11/05/2024-15/05/2024 |
| Stack Height & Dia (m): | 50 & 1.5                  | Stack Temperature (°C):       | 174                   |
| Stack Attached To:      | Boiler-III                | Stack gas velocity (m/sec):   | 8.65                  |
| Fuel Used:              | -                         | Volume of Air Sampled in NM3: | 1.1812                |

| Sr.No | Parameters         | Results | Unit               | Test Method      | Norms |
|-------|--------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter | 34.20   | mg/Nm <sup>3</sup> | IS 11255- Part 1 | 150   |
| 2     | Oxides of Nitrogen | 22.56   | mg/Nm <sup>3</sup> | GGMP/ SOP/SEA/68 | 50    |
| 3     | Sulphur Dioxide    | 28.80   | mg/Nm <sup>3</sup> | GGMP/ 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  
Aarmi Patel



--- End of Report ---

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/397D/52/03

Reporting Date: 16/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                         |                           |                               |                       |
|-------------------------|---------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/397D/52/03         | Sampling Date:                | 09/05/2024            |
| Sample Drawn By:        | Laboratory Representative | Sample Receipt Date:          | 10/05/2024            |
| Sample Type:            | Stack                     | Analysis start- End Date:     | 11/05/2024-15/05/2024 |
| Stack Height & Dia (m): | 50 & 1.5                  | Stack Temperature (°C):       | 179                   |
| Stack Attached To:      | Boiler-IV                 | Stack gas velocity (m/sec):   | 8.07                  |
| Fuel Used:              | -                         | Volume of Air Sampled in NM3: | 1.0835                |

| Sr.No | Parameters         | Results | Unit               | Test Method      | Norms |
|-------|--------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter | 38.76   | mg/Nm <sup>3</sup> | IS 11255- Part 1 | 150   |
| 2     | Oxides of Nitrogen | 28.20   | mg/Nm <sup>3</sup> | GGMPL/SOP/SEA/68 | 50    |
| 3     | Sulphur Dioxide    | 31.41   | 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

*AB Patel*

Analyzed By  
Aarmi Patel



*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

--- End of Report ---

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: GGMP/ PN/437D/52/06

Reporting Date: 23/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



**SAMPLE DETAILS**

|                         |                           |                               |                       |
|-------------------------|---------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/437D/52/06         | Sampling Date:                | 15/05/2024            |
| Sample Drawn By:        | Laboratory Representative | Sample Receipt Date:          | 16/05/2024            |
| Sample Type:            | Stack                     | Analysis start- End Date:     | 17/05/2024-22/05/2024 |
| Stack Height & Dia (m): | 30 & 0.6                  | Stack Temperature (°C):       | 42                    |
| Stack Attached To:      | Silo                      | Stack gas velocity (m/sec):   | 5.96                  |
| Fuel Used:              | -                         | Volume of Air Sampled in NM3: | 1.1792                |

| Sr.No | Parameters         | Results | Unit               | Test Method      | Norms |
|-------|--------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter | 34.51   | 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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

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**Bag House  
Performance  
Evaluation  
Report**

**Head Office & Lab**

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

Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/437D/52/03

Reporting Date: 23/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                         |                            |                               |                       |
|-------------------------|----------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/437D/52/03          | Sampling Date:                | 15/05/2024            |
| Sample Drawn By:        | Laboratory Representative  | Sample Receipt Date:          | 16/05/2024            |
| Sample Type:            | Stack                      | Analysis start- End Date:     | 17/05/2024-22/05/2024 |
| Stack Height & Dia (m): | 30 & 0.6                   | Stack Temperature (°C):       | 48                    |
| Stack Attached To:      | Raw Material Hopper & Mill | Stack gas velocity (m/sec):   | 10.79                 |
| Fuel Used:              | -                          | Volume of Air Sampled in NM3: | 0.9369                |

| Sr.No | Parameters                       | Results | Unit               | Test Method      | Norms |
|-------|----------------------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter (PM) (Inlet)  | 2181.24 | mg/Nm <sup>3</sup> | IS 11255- Part 1 | -     |
| 2     | Particulate Matter (PM) (Outlet) | 33.78   | 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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

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/347D/52/03 | Raw Material Hopper & Mill | 98.5                          |
| 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/437D/52/05

Reporting Date: 23/05/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                         |                           |                               |                       |
|-------------------------|---------------------------|-------------------------------|-----------------------|
| Lab ID:                 | Lab/PN/437D/52/05         | Sampling Date:                | 15/05/2024            |
| Sample Drawn By:        | Laboratory Representative | Sample Receipt Date:          | 16/05/2024            |
| Sample Type:            | Stack                     | Analysis start- End Date:     | 17/05/2024-22/05/2024 |
| Stack Height & Dia (m): | 30 & 0.6                  | Stack Temperature (°C):       | 65                    |
| Stack Attached To:      | Ball Mill                 | Stack gas velocity (m/sec):   | 13.77                 |
| Fuel Used:              | -                         | Volume of Air Sampled in NM3: | 1.1304                |

| Sr.No | Parameters                       | Results | Unit               | Test Method      | Norms |
|-------|----------------------------------|---------|--------------------|------------------|-------|
| 1     | Particulate Matter (PM) (Inlet)  | 1780.25 | mg/Nm <sup>3</sup> | IS 11255- Part 1 | -     |
| 2     | Particulate Matter (PM) (Outlet) | 35.13   | 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

*Aarmi Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

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/437D/52/05 | Ball Mill  | 98.0                          |
| 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: GGMLP/PN/521D/52/04

Reporting Date: 30/05/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter

Sampling Date: 24/05/2024

Sample By Laboratory Representative

Sample Description:

Ambient Noise

| Sr.No | Lab Id             | Location        | Time       | Unit     | Test Method | Reading | Norms |
|-------|--------------------|-----------------|------------|----------|-------------|---------|-------|
| 1     | Lab/PN/521D/52/04A | Water Reservoir | Day Time   | db(A)Leq | IS 9989     | 66.3    | 75    |
| 2     | Lab/PN/521D/52/04B | Water Reservoir | Night Time | db(A)Leq | IS 9989     | 54.1    | 70    |

AMBIENT NOISE LEVEL MONITORING Value in dB(A) Day Time: Min: 57.8, Max: 72.8 Value in dB(A) Night Time: Min: 46.2 , Max: 59.2

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

  
Analyzed By  
Aarmi Patel



  
Authorized Signatory  
Manish Kumawat

--- End of Report ---

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number: GGMP/L/PN/559D/52/04

Reporting Date: 31/05/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By Laboratory Representative

Sampling Date: 27/05/2024  
Sample Description: Ambient Noise

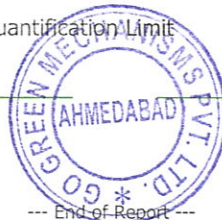
| Sr.No | Lab Id             | Location      | Time       | Unit     | Test Method | Reading | Norms |
|-------|--------------------|---------------|------------|----------|-------------|---------|-------|
| 1     | Lab/PN/559D/52/04A | Labour Colony | Day Time   | db(A)Leq | IS 9989     | 52.5    | 55    |
| 2     | Lab/PN/559D/52/04B | Labour Colony | Night Time | dB(A)Leq | IS 9989     | 42.9    | 45    |

AMBIENT NOISE LEVEL MONITORING Value In dB(A) Day Time : Min: 47.3 , Max: 54.9 Value In dB(A) Night Time : Min: 38.6 , Max: 44.8

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

*AB Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

Page No : 1/1

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# **Workzone Noise Report**

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/606D/52/02

Reporting Date: 03/06/2024

JINDAL SAW LIMITED

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By Laboratory Representative

Sampling Date: 31/05/2024  
Sample Description: Workzone Noise

| Sr.No | Lab Id             | Location           | Time       | Unit     | Test Method | Reading | Norms |
|-------|--------------------|--------------------|------------|----------|-------------|---------|-------|
| 1     | Lab/PN/606D/52/02A | WHRPP Control Room | Day Time   | dB(A)Leq | IS 4758     | 59.3    | 85    |
| 2     | Lab/PN/606D/52/02B | Compressor Room    | Day Time   | dB(A)Leq | IS 4758     | 74.8    | 85    |
| 3     | Lab/PN/606D/52/02C | Turbine            | Day Time   | dB(A)Leq | IS 4758     | 73.3    | 85    |
| 4     | Lab/PN/606D/52/02D | DM Plant           | Day Time   | dB(A)Leq | IS 4758     | 72.6    | 85    |
| 5     | Lab/PN/606D/52/02E | Battery 1 & 2      | Day Time   | dB(A)Leq | IS 4758     | 68.9    | 85    |
| 6     | Lab/PN/606D/52/02F | Coke Oven Office   | Day Time   | dB(A)Leq | IS 4758     | 58.3    | 85    |
| 7     | Lab/PN/606D/52/02G | Coke Cutter-2      | Day Time   | dB(A)Leq | IS 4758     | 73.6    | 85    |
| 8     | Lab/PN/606D/52/02A | WHRPP Control Room | Night Time | dB(A)Leq | IS 4758     | 57.3    | 85    |
| 9     | Lab/PN/606D/52/02B | Compressor Room    | Night Time | dB(A)Leq | IS 4758     | 68.9    | 85    |
| 10    | Lab/PN/606D/52/02C | Turbine            | Night Time | dB(A)Leq | IS 4758     | 69.8    | 85    |
| 11    | Lab/PN/606D/52/02D | DM Plant           | Night Time | dB(A)Leq | IS 4758     | 67.4    | 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

*AB Patel*  
Analyzed By  
Aarmi Patel



*Manish Kumawat*  
Authorized Signatory  
Manish Kumawat

Page No : 1/2

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## CERTIFICATE OF ANALYSIS

Report Number: GGMLP/PN/606D/52/02

Reporting Date: 03/06/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

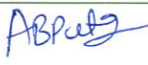
Sampling Instrument : Sound Level Meter  
Sample By Laboratory Representative

Sampling Date: 31/05/2024  
Sample Description: Workzone Noise

| Sr.No | Lab Id              | Location         | Time       | Unit     | Test Method | Reading | Norms |
|-------|---------------------|------------------|------------|----------|-------------|---------|-------|
| 12    | Lab/PN/606D/52/02E  | Battery 1 & 2    | Night Time | dB(A)Leq | IS 4758     | 67.6    | 85    |
| 13    | Lab/PN/606D/52/02F  | Coke Oven Office | Night Time | dB(A)Leq | IS 4758     | 56.2    | 85    |
| 14    | Lab/PN/606D/52/02DG | Coke Cutter-2    | Night Time | dB(A)Leq | IS 4758     | 68.1    | 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  
Aarmi Patel



  
Authorized Signatory  
Manish Kumawat

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/606D/52/01

Reporting Date: 03/06/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

Sampling Instrument : Sound Level Meter  
Sample By Laboratory Representative

Sampling Date: 31/05/2024  
Sample Description: Workzone Noise

| Sr.No | Lab Id             | Location             | Time       | Unit     | Test Method | Reading | Norms |
|-------|--------------------|----------------------|------------|----------|-------------|---------|-------|
| 1     | Lab/PN/606D/52/01A | SGU Office           | Day Time   | dB(A)Leq | IS 4758     | 54.3    | 85    |
| 2     | Lab/PN/606D/52/01B | Quality Control Room | Day Time   | dB(A)Leq | IS 4758     | 57.8    | 85    |
| 3     | Lab/PN/606D/52/01C | Packing Area         | Day Time   | dB(A)Leq | IS 4758     | 68.9    | 85    |
| 4     | Lab/PN/606D/52/01A | SGU Office           | Night Time | dB(A)Leq | IS 4758     | 53.2    | 85    |
| 5     | Lab/PN/606D/52/01B | Quality Control Room | Night Time | dB(A)Leq | IS 4758     | 54.9    | 85    |
| 6     | Lab/PN/606D/52/01C | Packing Area         | Night Time | dB(A)Leq | IS 4758     | 66.3    | 82    |

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

*Aarmi Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

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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.: 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 : 25.05.2024

| 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      | Coke Oven Plant (Nr. Battery 1 & 2 Stamping area) | CO                     | CO Analyzer              | 2                      | 1.37 mg/m <sup>3</sup><br>3.21 mg/m <sup>3</sup> | 2.29 mg/m <sup>3</sup> | 40 mg/m <sup>3</sup>                            | IS 5182 (Part-10) | 4   | -       |                                    | Vishal                  |
|        |   | RSPM                   | Handy Sampler            | 2                      | 2.41 mg/m <sup>3</sup><br>2.71 mg/m <sup>3</sup> | 2.56 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup>                            | NIOSH 0600        |   |         |                                    |                         |
|        |   | Benzo(a)pyrene         | Handy Sampler            | 2                      | BQL (QL=0.5)<br>BQL (QL=0.5)                     | BQL(QL=0.5)            | NS  | NIOSH 5515        |   |         |                                    |                         |
|        |   | Noise                  | Noise Meter              | 2                      | 70.2 dB<br>68.3 dB                               | 69.3 dB                | 85 dB   | IS 4758           |   |         |                                    |                         |
|        |   |                        |                          |                        |  |                        |   |                   |   |         |                                    |                         |



GO GREEN MECHANISMS PVT. LTD.

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.: **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 & Ground Granulated Slag**
- 3 Particulars of sampling

Date of Sampling : 25.05.2024

| 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      | Packing Area                 | RSPM                   | Handy Sample             | 2                      | 3.63 mg/m <sup>3</sup><br>2.92 mg/m <sup>3</sup> | 3.28 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup>                            | NIOSH 0600       | 5   | -       | <i>Vishal</i>                      | Vishal                  |
|        |                              | Noise                  | Noise Meter              | 2                      | 69.1 dB<br>67.5 db                               | 68.3 dB                | 85 dB   | IS 4758          |   |         |                                    |                         |



GO GREEN MECHANISMS PVT. LTD.

AUTHORIZED SIGNATORY

# **Wastewater Report**

## CERTIFICATE OF ANALYSIS

Report Number: GGMP/ PN/463D/52/01

Reporting Date : 27/05/2024

**JINDAL SAW LIMITED**

Village-Pragpar, Taluka-Mundra, Dist- Kutch



### SAMPLE DETAILS

|                     |                           |                      |              |
|---------------------|---------------------------|----------------------|--------------|
| Lab ID:             | Lab/PN/463D/52/01         | Sampling Date:       | 18/05/2024   |
| Sample Drawn By:    | Laboratory Representative | Sample Receipt Date: | 20/05/2024   |
| Sample Type:        | Waste Water               | Analysis Start Date: | 21/05/2024   |
| Sample Description: | Coke Quenching            | Analysis End Date:   | 26/05/2024   |
| Sample Quantity:    | 5 L                       | Sampling Method:     | GGMP/ WI/27A |
| Sample Condition:   | Satisfactory              | Packing:             | Sealed       |

| Sr.No | Parameters               | Results       | Unit | Test Method                  | Norm       |
|-------|--------------------------|---------------|------|------------------------------|------------|
| 1     | pH at 25 °C              | 7.52          | -    | IS 3025- Part 11             | 6.5 To 8.5 |
| 2     | Phenolic compounds       | BQL (QL=0.01) | mg/L | IS 3025- Part 43             | 1.0        |
| 3     | Total Dissolved Solids   | 586.00        | 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   | 80.00         | 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 o C for 3 days | 24            | 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

*Aarmi Patel*

Analyzed By  
Aarmi Patel



--- End of Report ---

*Manish Kumawat*

Authorized Signatory  
Manish Kumawat

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