

Ambient Air Report

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3731D/250/01

Reporting Date: 15/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

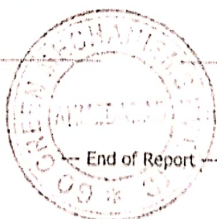
Lab ID:	Lab/PN/3731D/250/01	Sampling Start Date:	03/02/2025
Sample Drawn By:	Subodhnanand Bharti	Sampling End Date:	04/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	07/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	08/02/2025-14/02/2025
Env. Cond.-Sampling:	Temp - 24°C/Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	72.30	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.99	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.62	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	18.03	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.20	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.90	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.66	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

NORMS AS PER NAAQ STANDARAD

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

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Tantan Kumar



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India



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/3731D/250/02	Sampling Start Date:	03/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	04/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	07/02/2025
Sample Description:	Near TCC Main Gate	Analysis start- End Date:	08/02/2025-14/02/2025
Env. Cond.-Sampling:	Temp - 24°C/Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	73.22	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	41.65	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	21.30	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	25.61	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.89	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	17.90	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.60	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

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India



SAMPLE DETAILS

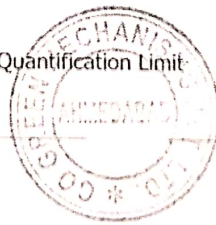
Lab ID:	Lab/PN/3731D/250/03	Sampling Start Date:	03/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	04/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	07/02/2025
Sample Description:	Near Material Gate Area	Analysis start- End Date:	08/02/2025-14/02/2025
Env. Cond.-Sampling:	Temp - 24°C/Humidity - 52%	Total Sampling hours:	24
Env. Cond. Sample Receipt:	Satisfactory	Env. Cond. Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	73.57	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	42.07	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.75	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	21.16	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	17.73	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.66	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

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CERTIFICATE OF ANALYSIS

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Reporting Date: 15/02/2025

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3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

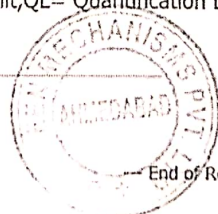
Lab ID:	Lab/PN/3731D/250/04	Sampling Start Date:	03/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	04/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	07/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	08/02/2025-14/02/2025
Env. Cond.-Sampling:	Temp - 24°C/Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	74.58	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	41.66	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.31	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.62	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.59	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.66	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.77	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

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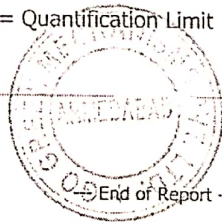
Lab ID:	Lab/PN/3752D/250/01	Sampling Start Date:	06/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	07/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	10/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	11/02/2025-17/02/2025
Env. Cond.-Sampling:	Temp - 25°C/Humidity - 76%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	76.54	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.15	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	23.16	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.73	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.06	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.44	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benz(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.63	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

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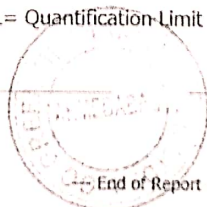
Lab ID:	Lab/PN/3752D/250/02	Sampling Start Date:	06/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	07/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	10/02/2025
Sample Description:	Near TCC Main Gate	Analysis start- End Date:	11/02/2025-17/02/2025
Env. Cond.-Sampling:	Temp - 25°C/Humidity - 76%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	71.22	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	42.49	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	21.29	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	27.48	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.75	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	18.05	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.66	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

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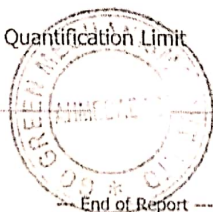
Lab ID:	Lab/PN/3752D/250/03	Sampling Start Date:	06/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	07/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	10/02/2025
Sample Description:	Near Material Gate Area	Analysis start- End Date:	11/02/2025-17/02/2025
Env. Cond.-Sampling:	Temp - 25°C/Humidity - 76%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	69.62	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	40.40	µg/m3	GGMP/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.23	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	24.79	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.90	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	18.05	µg/m3	GGMP/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.72	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3752D/250/04

Reporting Date: 18/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3752D/250/04	Sampling Start Date:	05/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	07/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	10/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	11/02/2025-17/02/2025
Env. Cond.-Sampling:	Temp - 25°C/Humidity - 76%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	70.69	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.15	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.02	µg/m3	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO2)	26.74	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.06	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	USEPA Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	USEPA Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	USEPA Method IO 3.4	1

Norms AS Per NAAQ Standard

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

Reviewed & Authorized by
Tantan Kumar

Reviewed & Authorized by
Payal Patel

--- End of Report ---

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3781D/250/01

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3781D/250/01	Sampling Start Date:	10/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	11/02/2025
Sample Type:	Ambient air	Sample Receipt Date:	14/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	15/02/2025-20/02/2025
Env. Cond.-Sampling:	Temp - 20°C / Humidity - 65%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	70.52	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.07	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.79	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	23.77	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.98	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.44	µg/m3	GGMPL/SOP/AA/52	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.77	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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

Reviewed & Authorized by
Tantan Kumar

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Payal Patel

--- End of Report ---

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3781D/250/02

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

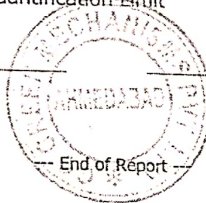
Lab ID:	Lab/PN/3781D/250/02	Sampling Start Date:	10/02/2025
Sample Drawn By:	Subodhnaand Bharti	Sampling End Date:	11/02/2025
Sample Type:	Ambient air	Sample Receipt Date:	14/02/2025
Sample Description:	Near TCC Main Gate	Analysis start- End Date:	15/02/2025-20/02/2025
Env. Cond.-Sampling:	Temp - 22°C / Humidity - 66%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	67.24	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.15	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.14	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	26.99	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.67	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.44	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.73	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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

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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3781D/250/03

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

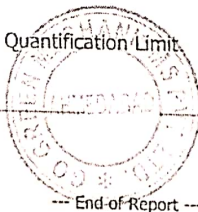
Lab ID:	Lab/PN/3781D/250/03	Sampling Start Date:	10/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	11/02/2025
Sample Type:	Ambient air	Sample Receipt Date:	14/02/2025
Sample Description:	Near Material Gate Area	Analysis start- End Date:	15/02/2025-20/02/2025
Env. Cond.-Sampling:	Temp - 20°C / Humidity - 66%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	72.41	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.57	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	18.04	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	26.46	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.75	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	18.05	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.71	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3781D/250/04

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/3781D/250/04	Sampling Start Date:	10/02/2025
Sample Drawn By:	Subodhnanand Bharti	Sampling End Date:	11/02/2025
Sample Type:	Ambient air	Sample Receipt Date:	14/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	15/02/2025-20/02/2025
Env. Cond.-Sampling:	Temp - 20°C / Humidity - 66%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	68.55	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	35.40	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.45	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	24.79	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.29	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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

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Tantan Kumar



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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3800D/250/01

Reporting Date: 22/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

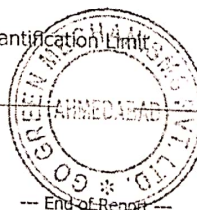
Lab ID:	Lab/PN/3800D/250/01	Sampling Start Date:	13/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	14/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	16/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	17/02/2025-21/02/2025
Env. Cond.-Sampling:	Temp - 22°C / Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	68.36	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.65	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	16.28	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	21.04	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.75	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	23.61	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.68	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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

Reviewed & Authorized by
Gyanvati Shukla



Reviewed & Authorized by
Manish Kumawat

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3800D/250/02

Reporting Date: 22/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

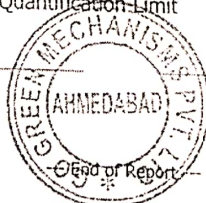
Lab ID:	Lab/PN/3800D/250/02	Sampling Start Date:	13/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	14/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	16/02/2025
Sample Description:	Near TCC Main Gate	Analysis start- End Date:	17/02/2025-21/02/2025
Env. Cond.-Sampling:	Temp - 22°C / Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	70.85	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.32	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	17.83	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	22.038	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.83	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.65	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per National Ambient Air Quality Standards.

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

Reviewed & Authorized by
Gyanvati Shukla



Reviewed & Authorized by
Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3800D/250/03

Reporting Date: 22/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

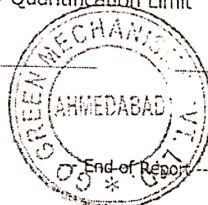
Lab ID:	Lab/PN/3800D/250/03	Sampling Start Date:	13/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	14/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	16/02/2025
Sample Description:	Near Material Gate Area	Analysis start- End Date:	17/02/2025-21/02/2025
Env. Cond.-Sampling:	Temp - 22°C / Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	69.98	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.57	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	17.44	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	27.30	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.98	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	24.99	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.77	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per National Ambient Air Quality Standards.

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

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Gyanvati Shukla



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Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3800D/250/04

Reporting Date: 22/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

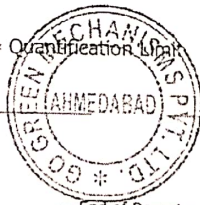
Lab ID:	Lab/PN/3800D/250/04	Sampling Start Date:	13/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	14/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	16/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	17/02/2025-21/02/2025
Env. Cond.-Sampling:	Temp - 22°C / Humidity - 52%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	74.75	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.32	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	17.57	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	28.47	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.83	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	18.05	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per National Ambient Air Quality Standards.

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

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Gyanvati Shukla



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Manish Kumawat

--- End of Report ---

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3866D/250/01

Reporting Date: 01/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

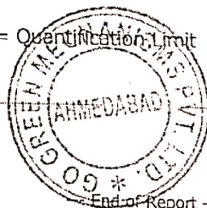
Lab ID:	Lab/PN/3866D/250/01	Sampling Start Date:	18/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	19/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	22/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	22/02/2025-28/02/2025
Env. Cond.-Sampling:	Temp-25°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	72.94	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.15	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.53	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	26.18	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.59	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.77	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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

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**Head Office & Lab**

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

PHONE NO : 791 7060072001

EMAIL ID : info@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3866D/250/02

Reporting Date: 01/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

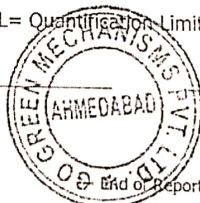
Lab ID:	Lab/PN/3866D/250/02	Sampling Start Date:	18/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	19/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	22/02/2025
Sample Description:	Near TCC Main Gate	Analysis start- End Date:	22/02/2025-28/02/2025
Env. Cond.-Sampling:	Temp-25°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	69.39	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.07	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	18.79	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	25.35	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.59	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.76	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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Gyanvati Shukla



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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3866D/250/03

Reporting Date: 01/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

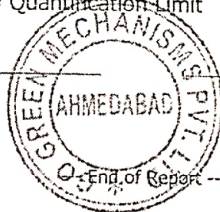
Lab ID:	Lab/PN/3866D/250/03	Sampling Start Date:	18/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	19/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	22/02/2025
Sample Description:	Near Material Gate Area	Analysis start- End Date:	22/02/2025-28/02/2025
Env. Cond.-Sampling:	Temp-25°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	74.37	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	40.40	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.18	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	25.50	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.59	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.44	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.72	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

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Gyanvati Shukla



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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3866D/250/04

Reporting Date: 01/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

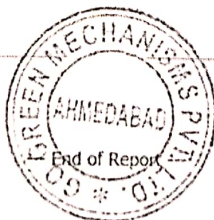
Lab ID:	Lab/PN/3866D/250/04	Sampling Start Date:	18/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	19/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	22/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	22/02/2025-28/02/2025
Env. Cond.-Sampling:	Temp-25°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	70.81	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.32	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	21.23	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	28.13	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.67	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.44	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.80	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As National Ambient Air Quality Standards.

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

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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3893D/250/01

Reporting Date: 04/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

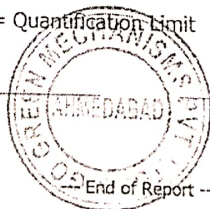
Lab ID:	Lab/PN/3893D/250/01	Sampling Start Date:	21/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	22/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	25/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	25/02/2025-03/03/2025
Env. Cond.-Sampling:	Temp-23°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	76.17	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.32	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	18.72	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	24.26	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.13	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	19.44	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.72	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards

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

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Gyanvati Shukla



Reviewed & Authorized by
Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3893D/250/02

Reporting Date: 04/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/3893D/250/02	Sampling Start Date:	21/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	22/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	25/02/2025
Sample Description:	Near TTC Main Gate	Analysis start- End Date:	25/02/2025-03/03/2025
Env. Cond.-Sampling:	Temp-23°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	73.40	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	40.82	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.41	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	25.50	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.98	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.68	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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

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Gyanvati Shukla



End of Report ---

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Manish Kumawat

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3893D/250/03

Reporting Date: 04/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

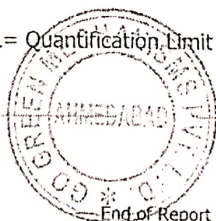
Lab ID:	Lab/PN/3893D/250/03	Sampling Start Date:	21/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	22/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	25/02/2025
Sample Description:	Near Material Gate Area	Analysis start- End Date:	25/02/2025-03/03/2025
Env. Cond.-Sampling:	Temp-23°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	75.23	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	41.24	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.67	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	28.41	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.06	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3893D/250/04

Reporting Date: 04/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

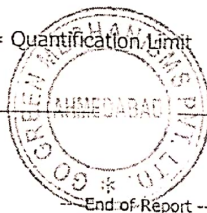
Lab ID:	Lab/PN/3893D/250/04	Sampling Start Date:	21/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	22/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	25/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	25/02/2025-03/03/2025
Env. Cond.-Sampling:	Temp-23°C/ Humidity-56%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	68.79	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.07	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	18.33	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	24.26	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	13.52	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.77	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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

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---End of Report---

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3923D/250/03

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

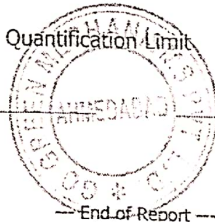
Lab ID:	Lab/PN/3923D/250/03	Sampling Start Date:	24/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	25/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	28/02/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	01/03/2025-07/03/2025
Env. Cond.-Sampling:	Temp-28°C/ Humidity-60%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	73.57	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	40.82	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.88	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	27.23	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.90	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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

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Tantan Kumar



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Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3923D/250/04

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

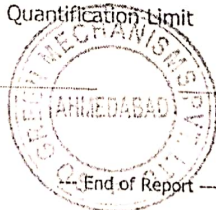
Lab ID:	Lab/PN/3923D/250/04	Sampling Start Date:	24/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	25/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	28/02/2025
Sample Description:	Near TTC Main Gate	Analysis start- End Date:	01/03/2025-07/03/2025
Env. Cond.-Sampling:	Temp-28°C/ Humidity-60%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	72.64	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	40.82	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	19.70	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	26.00	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.90	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.72	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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**Head Office & Lab**

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Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3923D/250/05

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7673

SAMPLE DETAILS

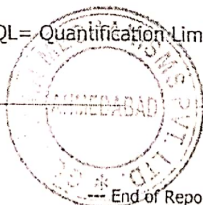
Lab ID:	Lab/PN/3923D/250/05	Sampling Start Date:	24/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	25/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	28/02/2025
Sample Description:	Near Material Gate	Analysis start- End Date:	01/03/2025-07/03/2025
Env. Cond.-Sampling:	Temp-28°C/ Humidity-60%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	71.02	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	41.65	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.31	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	27.02	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	17.82	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	22.22	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.74	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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Tantan Kumar



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Payal Patel

--- End of Report ---

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3923D/250/06

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

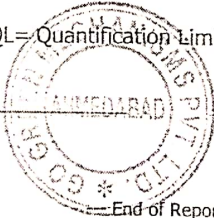
Lab ID:	Lab/PN/3923D/250/06	Sampling Start Date:	24/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	25/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	28/02/2025
Sample Description:	Near Pump House	Analysis start- End Date:	01/03/2025-07/03/2025
Env. Cond.-Sampling:	Temp-28°C/ Humidity-60%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	71.51	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.07	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	20.09	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	27.23	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.75	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	IS 5182- Part 12	1
9	Carbon Monoxide (CO)	0.77	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per NAAQ Standard

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

Reviewed & Authorized by
Tantan Kumar



---End of Report---

Reviewed & Authorized by
Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3966D/250/01

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3966D/250/01	Sampling Start Date:	27/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	28/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	03/03/2025
Sample Description:	Near Canteen Area	Analysis start- End Date:	04/03/2025-08/03/2025
Env. Cond.-Sampling:	Temp - 29°C / Humidity - 51%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	70.58	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	36.65	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	17.85	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	23.52	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.75	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.67	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms As Per National Ambient Air Quality Standards.

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

Reviewed & Authorized by
Tantan Kumar



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Payal Patel

Page No : 1/1

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**Head Office & Lab**

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Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3966D/250/02

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

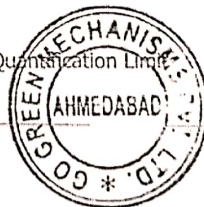
Lab ID:	Lab/PN/3966D/250/02	Sampling Start Date:	27/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	28/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	03/03/2025
Sample Description:	Near TTC Main Gate	Analysis start- End Date:	04/03/2025-08/03/2025
Env. Cond.-Sampling:	Temp - 29°C / Humidity - 51%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	69.01	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	37.49	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	16.93	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	23.52	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	14.75	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.71	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per National Ambient Air Quality Standards.

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

Reviewed & Authorized by
Tantan Kumar



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Payal Patel

--- End of Report ---

Page No : 1/1

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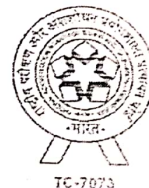
CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3966D/250/03

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3966D/250/03	Sampling Start Date:	27/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	28/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	03/03/2025
Sample Description:	Near Material Gate	Analysis start- End Date:	04/03/2025-08/03/2025
Env. Cond.-Sampling:	Temp - 29°C / Humidity - 51%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	68.43	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	38.32	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	17.63	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	24.51	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	15.98	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	20.83	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.73	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per National Ambient Air Quality Standards.

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

Reviewed & Authorized by
Tantan Kumar



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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3966D/250/04

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/3966D/250/04	Sampling Start Date:	27/02/2025
Sample Drawn By:	Subodhnanand Bharti	Sampling End Date:	28/02/2025
Sample Type:	Ambient Air	Sample Receipt Date:	03/03/2025
Sample Description:	Near Pump House	Analysis start- End Date:	04/03/2025-08/03/2025
Env. Cond.-Sampling:	Temp - 29°C / Humidity - 51%	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter (PM10)	69.11	µg/m3	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	39.15	µg/m3	GGMPL/SOP/AA/60	60
3	Sulphur Dioxide (SO2)	17.85	µg/m3	IS 5182-Part 2	80
4	Oxides of Nitrogen	26.46	µg/m3	IS 5182- Part 6	80
5	Ozone (O3)	16.29	µg/m3	IS 5182- Part 9	180
6	Ammonia (NH3)	23.61	µg/m3	GGMPL/SOP/AA/62	400
7	Benzene	BQL (QL=2.5)	µg/m3	IS 5182- Part 11	5
8	Benzo(a) pyrene	BQL (QL=0.5)	ng/m3	Is 5182- Part 12	1
9	Carbon Monoxide (CO)	0.69	mg/m3	IS 5182- Part 10	4
10	Nickel as Ni	BQL (QL=5)	ng/m3	Method IO 3.4	20
11	Arsenic as As	BQL (QL=1)	ng/m3	Method IO 3.4	6
12	Lead	BQL (QL=0.001)	µg/m3	Method IO 3.4	1

Norms AS Per National Ambient Air Quality Standards.

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

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Page No : 1/1

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Ambient Noise Monitoring Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3752D/250/06

Reporting Date: 18/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

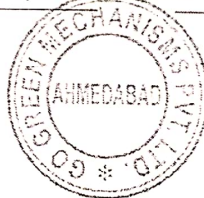
Lab ID:	Lab/PN/3752D/250/06	Sampling Date:	06/02/2025
Location:	Electric Arc Furnace Area	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	65.3
Lmax (Day) :	75.4	Lmax (Night):	62.3
Lmin (Day) :	52.2	Lmin (Night):	46.5
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	66.9	Leq (Night):	56.3

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
1	06:00 - 07:00	57.9	dB(A)Leq	IS 9989	-
2	07:00 - 08:00	58.1	dB(A)Leq	IS 9989	-
3	08:00 - 09:00	67.1	dB(A)Leq	IS 9989	-
4	09:00 - 10:00	63.0	dB(A)Leq	IS 9989	-
5	10:00 - 11:00	62.7	dB(A)Leq	IS 9989	-
6	11:00 - 12:00	59.3	dB(A)Leq	IS 9989	-
7	12:00 - 13:00	63.4	dB(A)Leq	IS 9989	-
8	13:00 - 14:00	65.8	dB(A)Leq	IS 9989	-
9	14:00 - 15:00	70.5	dB(A)Leq	IS 9989	-
10	15:00 - 16:00	68.3	dB(A)Leq	IS 9989	-
11	16:00 - 17:00	72.0	dB(A)Leq	IS 9989	-
12	17:00 - 18:00	70.2	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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Payal Patel

Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3752D/250/06

Reporting Date: 18/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

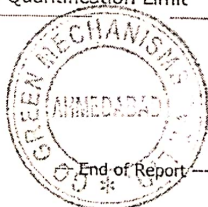
Lab ID:	Lab/PN/3752D/250/06	Sampling Date:	06/02/2025
Location:	Electric Arc Furnace Area	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	65.3
Lmax (Day) :	75.4	Lmax (Night):	62.3
Lmin (Day) :	52.2	Lmin (Night):	46.5
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	66.9	Leq (Night):	56.3

Sl.No	Time	Hourly Leq	Unit	Test Method	Norms
13	18:00 - 19:00	67.0	dB(A)Leq	IS 9989	-
14	19:00 - 20:00	63.5	dB(A)Leq	IS 9989	-
15	20:00 - 21:00	67.7	dB(A)Leq	IS 9989	-
16	21:00 - 22:00	65.0	dB(A)Leq	IS 9989	-
17	22:00 - 23:00	58.9	dB(A)Leq	IS 9989	-
18	23:00 - 00:00	56.9	dB(A)Leq	IS 9989	-
19	00:00 - 01:00	54.5	dB(A)Leq	IS 9989	-
20	01:00 - 02:00	52.7	dB(A)Leq	IS 9989	-
21	02:00 - 03:00	53.7	dB(A)Leq	IS 9989	-
22	03:00 - 04:00	57.9	dB(A)Leq	IS 9989	-
23	04:00 - 05:00	56.6	dB(A)Leq	IS 9989	-
24	05:00 - 06:00	56.0	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

Reviewed & Authorized by
Tantan Kumar



Reviewed & Authorized by
Payal Patel

Page No : 2/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMP/LN/3781D/250/05

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

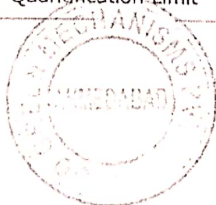
Lab ID:	Lab/PN/3781D/250/05	Sampling Date:	10/02/2025
Location:	Mould Room	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	68.1
Lmax (Day) :	80.6	Lmax (Night):	69.6
Lmin (Day) :	57.6	Lmin (Night):	46.4
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	69.7	Leq (Night):	57.2

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
1	06:00 - 07:00	59.5	dB(A)Leq	IS 9989	-
2	07:00 - 08:00	64.7	dB(A)Leq	IS 9989	-
3	08:00 - 09:00	68.4	dB(A)Leq	IS 9989	-
4	09:00 - 10:00	66.5	dB(A)Leq	IS 9989	-
5	10:00 - 11:00	65.2	dB(A)Leq	IS 9989	-
6	11:00 - 12:00	61.8	dB(A)Leq	IS 9989	-
7	12:00 - 13:00	66.9	dB(A)Leq	IS 9989	-
8	13:00 - 14:00	70.1	dB(A)Leq	IS 9989	-
9	14:00 - 15:00	77.1	dB(A)Leq	IS 9989	-
10	15:00 - 16:00	70.7	dB(A)Leq	IS 9989	-
11	16:00 - 17:00	71.2	dB(A)Leq	IS 9989	-
12	17:00 - 18:00	70.2	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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Page No : 1/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3781D/250/05

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

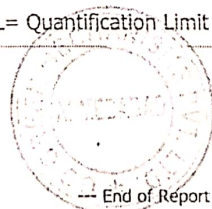
Lab ID:	Lab/PN/3781D/250/05	Sampling Date:	10/02/2025
Location:	Mould Room	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	68.1
Lmax (Day) :	80.6	Lmax (Night):	69.6
Lmin (Day) :	57.6	Lmin (Night):	46.4
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	69.7	Leq (Night):	57.2

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
13	18:00 - 19:00	69.5	dB(A)Leq	IS 9989	-
14	19:00 - 20:00	62.0	dB(A)Leq	IS 9989	-
15	20:00 - 21:00	70.2	dB(A)Leq	IS 9989	-
16	21:00 - 22:00	68.5	dB(A)Leq	IS 9989	-
17	22:00 - 23:00	61.8	dB(A)Leq	IS 9989	-
18	23:00 - 00:00	58.3	dB(A)Leq	IS 9989	-
19	00:00 - 01:00	55.3	dB(A)Leq	IS 9989	-
20	01:00 - 02:00	51.2	dB(A)Leq	IS 9989	-
21	02:00 - 03:00	50.8	dB(A)Leq	IS 9989	-
22	03:00 - 04:00	57.6	dB(A)Leq	IS 9989	-
23	04:00 - 05:00	55.8	dB(A)Leq	IS 9989	-
24	05:00 - 06:00	56.8	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3923D/250/08

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3923D/250/08	Sampling Date:	24/02/2025
Location:	Near Time Office	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	59.2
Lmax (Day) :	72.3	Lmax (Night):	64.3
Lmin (Day) :	50.1	Lmin (Night):	42.6
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	60.7	Leq (Night):	50.5

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
1	06:00 - 07:00	52.5	dB(A)Leq	IS 9989	-
2	07:00 - 08:00	55.3	dB(A)Leq	IS 9989	-
3	08:00 - 09:00	64.0	dB(A)Leq	IS 9989	-
4	09:00 - 10:00	68.1	dB(A)Leq	IS 9989	-
5	10:00 - 11:00	56.8	dB(A)Leq	IS 9989	-
6	11:00 - 12:00	55.2	dB(A)Leq	IS 9989	-
7	12:00 - 13:00	57.4	dB(A)Leq	IS 9989	-
8	13:00 - 14:00	59.7	dB(A)Leq	IS 9989	-
9	14:00 - 15:00	67.9	dB(A)Leq	IS 9989	-
10	15:00 - 16:00	61.0	dB(A)Leq	IS 9989	-
11	16:00 - 17:00	60.5	dB(A)Leq	IS 9989	-
12	17:00 - 18:00	60.0	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3923D/250/08

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7072

SAMPLE DETAILS

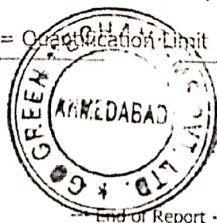
Lab ID:	Lab/PN/3923D/250/08	Sampling Date:	24/02/2025
Location:	Near Time Office	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	59.2
Lmax (Day) :	72.3	Lmax (Night):	64.3
Lmin (Day) :	50.1	Lmin (Night):	42.6
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	60.7	Leq (Night):	50.5

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
13	18:00 - 19:00	60.5	dB(A)Leq	IS 9989	-
14	19:00 - 20:00	54.0	dB(A)Leq	IS 9989	-
15	20:00 - 21:00	60.2	dB(A)Leq	IS 9989	-
16	21:00 - 22:00	60.0	dB(A)Leq	IS 9989	-
17	22:00 - 23:00	56.2	dB(A)Leq	IS 9989	-
18	23:00 - 00:00	47.9	dB(A)Leq	IS 9989	-
19	00:00 - 01:00	49.2	dB(A)Leq	IS 9989	-
20	01:00 - 02:00	45.3	dB(A)Leq	IS 9989	-
21	02:00 - 03:00	48.2	dB(A)Leq	IS 9989	-
22	03:00 - 04:00	50.2	dB(A)Leq	IS 9989	-
23	04:00 - 05:00	48.0	dB(A)Leq	IS 9989	-
24	05:00 - 06:00	48.8	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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Tantan Kumar



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--- End of Report ---

Page No : 2/2

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3966D/250/08

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

Lab ID:	Lab/PN/3966D/250/08	Sampling Date:	27/02/2025
Location:	WFPS Area	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	58.3
Lmax (Day) :	70.9	Lmax (Night):	60.2
Lmin (Day) :	48.7	Lmin (Night):	41.4
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	59.7	Leq (Night):	51.2

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
1	06:00 - 07:00	51.8	dB(A)Leq	IS 9989	-
2	07:00 - 08:00	53.9	dB(A)Leq	IS 9989	-
3	08:00 - 09:00	53.4	dB(A)Leq	IS 9989	-
4	09:00 - 10:00	56.5	dB(A)Leq	IS 9989	-
5	10:00 - 11:00	55.4	dB(A)Leq	IS 9989	-
6	11:00 - 12:00	52.7	dB(A)Leq	IS 9989	-
7	12:00 - 13:00	57.1	dB(A)Leq	IS 9989	-
8	13:00 - 14:00	59.5	dB(A)Leq	IS 9989	-
9	14:00 - 15:00	67.2	dB(A)Leq	IS 9989	-
10	15:00 - 16:00	60.8	dB(A)Leq	IS 9989	-
11	16:00 - 17:00	61.6	dB(A)Leq	IS 9989	-
12	17:00 - 18:00	60.3	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3966D/250/08

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7072

SAMPLE DETAILS

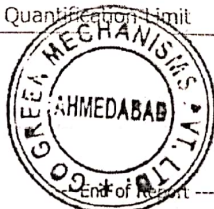
Lab ID:	Lab/PN/3966D/250/08	Sampling Date:	27/02/2025
Location:	WFPS Area	Sample Description:	Ambient Noise
Sampling Instrument :	Sound Level Meter	Ldn:	58.3
Lmax (Day) :	70.9	Lmax (Night):	60.2
Lmin (Day) :	48.7	Lmin (Night):	41.4
L10 (Day):	-	L10 (Night):	-
L50 (Day):	-	L50 (Night):	-
L90 (Day):	-	L90 (Night):	-
Leq (Day):	59.7	Leq (Night):	51.2

Sr.No	Time	Hourly Leq	Unit	Test Method	Norms
13	18:00 - 19:00	60.3	dB(A)Leq	IS 9989	-
14	19:00 - 20:00	52.4	dB(A)Leq	IS 9989	-
15	20:00 - 21:00	60.0	dB(A)Leq	IS 9989	-
16	21:00 - 22:00	59.7	dB(A)Leq	IS 9989	-
17	22:00 - 23:00	55.6	dB(A)Leq	IS 9989	-
18	23:00 - 00:00	48.2	dB(A)Leq	IS 9989	-
19	00:00 - 01:00	50.3	dB(A)Leq	IS 9989	-
20	01:00 - 02:00	46.4	dB(A)Leq	IS 9989	-
21	02:00 - 03:00	46.0	dB(A)Leq	IS 9989	-
22	03:00 - 04:00	52.5	dB(A)Leq	IS 9989	-
23	04:00 - 05:00	50.8	dB(A)Leq	IS 9989	-
24	05:00 - 06:00	51.6	dB(A)Leq	IS 9989	-

Norms As Per The Noise Pollution (Regulation and Control) Rules, 2000; Day Leq: 75 Night Leq: 70.

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

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Tantan Kumar



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Page No : 2/2

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Fugitive Monitoring Report

CERTIFICATE OF ANALYSTS

Report Number : GGMPL/PN/3752D/250/05

Reporting Date: 18/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3752D/250/05	Sampling Start Date:	06/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	06/02/2025
Sample Type:	Fugitive Emission	Sample Receipt Date:	10/02/2025
Sample Description:	Electric Arc Furnace Area	Analysis start- End Date:	11/02/2025-17/02/2025
Env. Cond.-Sampling:	Temp - 25°C/Humidity - 76%	Total Sampling hours:	4
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	71.31	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	54.18	µg/m ³	IS 5182 (Part 2)	150
3	Suspended Particulate Matter(SPM)	1088.97	µg/m3	IS 5182 (part 4)	-

Norms As Per Integrated Iron & Steel Standard G.S.R. 277(E).

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

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Tantan Kumar

--- End of Report ---

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Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3781D/250/06

Reporting Date: 21/02/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



TC-7073

SAMPLE DETAILS

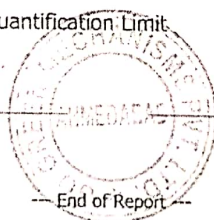
Lab ID:	Lab/PN/3781D/250/06	Sampling Start Date:	10/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	10/02/2025
Sample Type:	Fugitive emission	Sample Receipt Date:	14/02/2025
Sample Description:	Mould Room	Analysis start- End Date:	15/02/2025-20/02/2025
Env. Cond.-Sampling:	Temp - 20°C / Humidity - 66%	Total Sampling hours:	4
Env. Cond. Sample Receipt:	Satisfactory	Env. Cond. Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	43.08	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	55.30	µg/m ³	IS 5182 (Part 2)	150
3	Suspended Particulate Matter (SPM)	1770.0	µg/m ³	IS 5182 (part 4)	-

Norms As Per Integrated Iron & Steel Standards G.S.R. 277(E).

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

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Tantan Kumar



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Payal Patel

Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3923D/250/07

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3923D/250/07	Sampling Start Date:	24/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	24/02/2025
Sample Type:	Fugitive	Sample Receipt Date:	28/02/2025
Sample Description:	MRS Area	Analysis start- End Date:	01/03/2025-07/03/2025
Env. Cond.-Sampling:	Temp-28°C/ Humidity-60%	Total Sampling hours:	4
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	65.18	µg/m3	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO2)	69.25	µg/m ³	IS 5182 (Part 2)	150
3	Suspended Particulate Matter(SPM)	1488.04	µg/m3	IS 5182 (part 4)	-

Norms As Per Integrated Iron & Steel Standards G.S.R. 277(E).

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

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CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/3966D/250/09

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

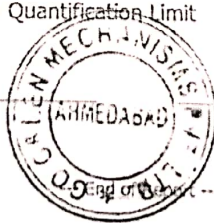
Lab ID:	Lab/PN/3966D/250/09	Sampling Start Date:	27/02/2025
Sample Drawn By:	Subodhnand Bharti	Sampling End Date:	27/02/2025
Sample Type:	Fugitive	Sample Receipt Date:	03/03/2025
Sample Description:	WFPS Area	Analysis start- End Date:	04/03/2025-08/03/2025
Env. Cond.-Sampling:	Temp - 29°C / Humidity - 51%	Total Sampling hours:	4
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	65.37	µg/m ³	IS 5182 (Part 6)	120
2	Sulphur Dioxide (SO ₂)	74.08	µg/m ³	IS 5182 (Part 2)	150
3	Suspended Particulate Matter(SPM)	1771.80	µg/m ³	IS 5182 (part 4)	-

Norms As Per Integrated Iron & Steel Standard G.S.R. 277(E).

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

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Stack Monitoring Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3966D/250/05

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3966D/250/05	Sampling Date:	27/02/2025
Sample Drawn By:	Subodhband Bharti	Sample Receipt Date:	03/03/2025
Sample Type:	Stack Emission	Analysis start- End Date:	04/03/2025-08/03/2025
Stack Height & Dia (m):	46 & 0.6	Stack Temperature (°C):	133
Stack Attached To:	Electric arc furnace	Stack gas velocity (m/sec):	15.61
Fuel Used:	Electricity	Volume of Air Sampled in NM3:	1.13

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	56.90	mg/Nm ³	IS 11255- Part 1	-
2	Sulphur Dioxides	BQL (QL=1)	ppm	GGMPL/SOP/SEA/68	-
3	Oxides of Nitrogen	13	ppm	GGMPL/SOP/SEA/68	-

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

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**Head Office & Lab**

Dayal Estate, National Highway No.6, Opp APMC Market Gate-1, Jetaipur, District-Ahmedabad-382426
Gujarat, INDIA

Mobile No : +91-7069072001

Email Id : lab@gogreenmechanisms.com

CERTIFICATE OF ANALYSIS

Report Number: GGMP/LPN/3966D/250/06

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India

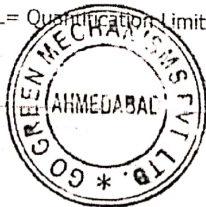
**SAMPLE DETAILS**

Lab ID:	Lab/LPN/3966D/250/06	Sampling Date:	27/02/2025
Sample Drawn By:	Subodhnand Bharti	Sample Receipt Date:	03/03/2025
Sample Type:	Stack Emission	Analysis start- End Date:	04/03/2025-08/03/2025
Stack Height & Dia (m):	10&0.3	Stack Temperature (°C):	126
Stack Attached To:	D.F	Stack gas velocity (m/sec):	12.97
Fuel Used:	LPG	Volume of Air Sampled in NM3:	0.96

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	17.3	mg/Nm ³	IS 11255- Part 1	-
2	Sulphur Dioxides	03	ppm	GGMP/L/SOP/SEA/68	-
3	Oxides of Nitrogen	32	ppm	GGMP/L/SOP/SEA/68	-

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

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3966D/250/07

Reporting Date: 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3966D/250/07	Sampling Date:	27/02/2025
Sample Drawn By:	Subodhnand Bharti	Sample Receipt Date:	03/03/2025
Sample Type:	Stack Emission	Analysis start- End Date:	04/03/2025-08/03/2025
Stack Height & Dia (m):	15 & 0.3	Stack Temperature (°C):	123
Stack Attached To:	N.F	Stack gas velocity (m/sec):	13.57
Fuel Used:	LPG	Volume of Air Sampled in NM3:	1.01

Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Particulate Matter	13.9	mg/Nm ³	IS 11255- Part 1	-
2	Sulphur Dioxides	06	ppm	GGMPL/SOP/SEA/68	-
3	Oxides of Nitrogen	39	ppm	GGMPL/SOP/SEA/68	-

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Wastewater Report

CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3923D/250/01

Reporting Date : 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India



SAMPLE DETAILS

Lab ID:	Lab/PN/3923D/250/01	Sampling Date:	24/02/2025
Sample Drawn By:	Subodhnand Bhatti	Sample Receipt Date:	28/02/2025
Sample Type:	Waste Water	Analysis Start Date:	01/03/2025
Sample Description:	STP Outlet	Analysis End Date:	07/03/2025
Sample Quantity:	3 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Sr.No	Parameters	Results	Unit	Test Method	Norm
1	pH at 25 °C	7.75	-	IS 3025- Part 11	-
2	Colour	BQL (QL=2.5)	CU	IS 3025- Part 4	-
3	Sulphate	127.90	mg/L	APHA 24th Edn 4500 SO4 E	-
4	Total Dissolved Solids (TDS)	640.00	mg/L	APHA 24th Edn 2540 C	-
5	Total Suspended Solids (TSS)	46.00	mg/L	APHA 24th Edn 2540 D	-
6	Oil and Grease	BQL (QL=2)	mg/L	IS 3025- Part 39	-
7	Chloride	91.47	mg/L	IS 3025- Part 32	-
8	Chemical Oxygen Demand (COD)	104.00	mg/L	APHA 24th Edn 5220 B	-
9	Ammonical Nitrogen	3.92	mg/L	APHA 24th Edn 4500 NH3 C	-
10	Total Kjeldhal Nitrogen	16.52	mg/L	IS 3025-Part 34	-
11	BOD at 27 °C for 3 days	28.88	mg/L	IS 3025- Part 44	-

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

Reviewed & Authorized by
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Page No : 1/1

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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3923D/250/01A

Reporting Date : 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India

SAMPLE DETAILS

Lab ID: Lab/PN/3923D/250/01
Sample Drawn By: Subodhnand Bhiarti
Sample Type: Waste Water
Sample Description: STP Outlet
Sample Quantity: 3 L
Sample Condition: Satisfactory

Sampling Date: 24/02/2025
Sample Receipt Date: 28/02/2025
Analysis Start Date: 01/03/2025
Analysis End Date: 07/03/2025
Sampling Method: GGMPL/WI/27A
Packing: Sealed

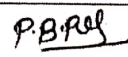
Sr.No	Parameters*	Results	Unit	Test Method	Norm
1	Dissolved Phosphate	2.20	mg/L	APHA 24thEdn 4500 P	-

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


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CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/3923D/250/02A

Reporting Date : 08/03/2025

RAIL WHEEL PLANT BELA

3rd Floor, Admin Building, Rail Wheel Plant, Bela, Bela Saran, 841221 Bihar,
India

SAMPLE DETAILS

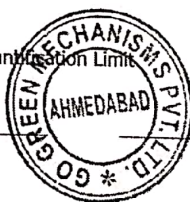
Lab ID: Lab/PN/3923D/250/02
Sample Drawn By: Subodhnand Bharti
Sample Type: Waste Water
Sample Description: Pond Effluent Water
Sample Quantity: 4 L
Sample Condition: Satisfactory

Sampling Date: 24/02/2025
Sample Receipt Date: 28/02/2025
Analysis Start Date: 01/03/2025
Analysis End Date: 07/03/2025
Sampling Method: GGMPL/WI/27A
Packing: Sealed

Sr.No	Parameters*	Results	Unit	Test Method	Norm
1	Dissolved Phosphate	3.76	mg/L	APHA 24thEdn 4500 P	-

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

Reviewed & Authorized by
Tantan Kumar



Reviewed & Authorized by
Payal Patel

— End of Report —

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