

**ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
SEPTEMBER - 2024**



Client- M/s SREE METALIKS LTD.

Address- Loidapada, Barbil,

Dist- Keonjhar, Odisha



Monitored By - Green Force Associates Pvt. Ltd.

Address- Plot No-1666, Phase-II, Delta Colony,

Nilakantheswar Marg, Baramunda,

Bhubaneswar-751003

NABL Certificate No:- TC-12258

PHOTOGRAPHS OF ENVIRONMENT MONITORING





GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000154F

Report No- GFAPL/24-25/SMR/081

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha..		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ1 - Near Admin Office: 21°59'26.41"N Latitude & 85°19'39.29"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	Lab Id Code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.09.2024	GF/24-25/A400	60.8	30.2	8.4	14.2
05.09.2024	GF/24-25/A408	64.2	32.1	9.8	15.8
10.09.2024	GF/24-25/A416	50.2	24.8	6.3	10.6
12.09.2024	GF/24-25/A424	54.6	26.4	6.6	11.2
16.09.2024	GF/24-25/A432	49.2	24.3	5.6	10.3
19.09.2024	GF/24-25/A440	55.7	27.3	6.6	11.7
23.09.2024	GF/24-25/A452	58.2	28.4	7.2	12.6
26.09.2024	GF/24-25/A464	51.5	24.6	5.8	10.3
30.09.2024	GF/24-25/A472	56.3	26.8	6.9	11.8
Max		64.2	32.1	9.8	15.8
Min		49.2	24.3	5.6	10.3
Avg		55.6	27.2	7.0	12.0
NAAQ* Standard		100	60	80	80
Methods of Analysis		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

CHIEF ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Miss. S. K. Paul
Bhubaneswar, Odisha

Authorized Signatory

TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Mr. S. K. Paul
Bhubaneswar, Odisha

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END OF REPORT

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000155F

Report No- GFAPL/24-25/SMR/082

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ2 - Near Dispensary: 21°59'33.80"N Latitude & 85°19'24.18"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	Lab Id Code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.09.2024	GF/24-25/A401	49.2	24.4	4.8	9.8
05.09.2024	GF/24-25/A409	50.2	24.7	5.2	9.8
10.09.2024	GF/24-25/A417	42.2	20.8	<4.0	<9.0
12.09.2024	GF/24-25/A425	44.7	21.6	<4.0	<9.0
16.09.2024	GF/24-25/A433	38.6	18.3	<4.0	<9.0
19.09.2024	GF/24-25/A441	42.2	20.6	<4.0	<9.0
23.09.2024	GF/24-25/A453	45.3	21.1	<4.0	<9.0
26.09.2024	GF/24-25/A465	40.5	18.6	<4.0	<9.0
30.09.2024	GF/24-25/A473	42.4	19.3	<4.0	<9.0
Max		50.2	24.7	5.2	9.8
Min		38.6	18.3	<4.0	<9.0
Avg		43.9	21.0	5.0	9.8
NAAQ* Standard		100	60	80	80
Methods of Analysis		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Miss. Arpita Sahoo
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Mr. S.K. Parhi
BHUBANESWAR, ODISHA

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha

Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000156F

Report No- GFAPL/24-25/SMR/083

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ3- Village Rugudihi:21°59'50.80"N Latitude &85°19'20.16"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	Lab Id Code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.09.2024	GF/24-25/A402	48.8	24.1	<4.0	<9.0
05.09.2024	GF/24-25/A410	50.1	24.8	<4.0	<9.0
10.09.2024	GF/24-25/A418	41.4	20.2	<4.0	<9.0
12.09.2024	GF/24-25/A426	42.8	20.8	<4.0	<9.0
16.09.2024	GF/24-25/A434	35.5	16.8	<4.0	<9.0
19.09.2024	GF/24-25/A442	40.5	19.5	<4.0	<9.0
23.09.2024	GF/24-25/A454	44.1	20.8	<4.0	<9.0
26.09.2024	GF/24-25/A466	38.6	17.3	<4.0	<9.0
30.09.2024	GF/24-25/A474	40.5	18.6	<4.0	<9.0
Max		50.1	24.8	<4.0	<9.0
Min		35.5	16.8	<4.0	<9.0
Avg		42.4	20.3	<4.0	<9.0
NAAQ* Standard		100	60	80	80
Methods of Analysis		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, BHUBANESWAR, ODISHA

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, BHUBANESWAR, ODISHA



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha

Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000157F

Report No- GFAPL/24-25/SMR/084

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ4 - Village Lohidapada:21°59'35.97"N Latitude & 85°19'08.86"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	Lab Id Code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.09.2024	GF/24-25/A403	47.6	23.5	<4.0	<9.0
05.09.2024	GF/24-25/A411	48.4	23.7	<4.0	<9.0
10.09.2024	GF/24-25/A419	40.2	19.8	<4.0	<9.0
12.09.2024	GF/24-25/A427	41.9	20.2	<4.0	<9.0
16.09.2024	GF/24-25/A435	36.3	17.3	<4.0	<9.0
19.09.2024	GF/24-25/A443	41.0	19.3	<4.0	<9.0
23.09.2024	GF/24-25/A455	45.5	20.9	<4.0	<9.0
26.09.2024	GF/24-25/A467	39.3	17.5	<4.0	<9.0
30.09.2024	GF/24-25/A475	40.8	18.8	<4.0	<9.0
Max		48.4	23.7	<4.0	<9.0
Min		36.3	17.3	<4.0	<9.0
Avg		42.3	20.1	<4.0	<9.0
NAAQ* Standard		100	60	80	80
Methods of Analysis		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Miss. Archana Sahoo

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Mr. S.K. Pachi



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com

(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/24-25/SMR/085

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Quality Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling Location & Coordinates	AAQ1 - Near Admin Office:21°59'26.41"N Latitude & 85°19'39.29"E Longitude AAQ2 - Near Dispensary:21°59'33.80"N Latitude & 85°19'24.18"E Longitude AAQ3 - Village Rugudihi:21°59'50.80"N Latitude & 85°19'20.16"E Longitude AAQ4 - Village Lohidapada:21°59'35.97"N Latitude & 85°19'08.86"E Longitude		
Instrument Used	CO Analyser		
Sampling Method	As Per IS: 5182		

Date of Sampling	CO (mg/m3)			
	AAQ1	AAQ2	AAQ3	AAQ4
02.09.2024	0.34	0.22	0.20	0.19
05.09.2024	0.38	0.25	0.22	0.21
10.09.2024	0.31	0.20	0.17	0.16
12.09.2024	0.32	0.21	0.18	0.18
16.09.2024	0.30	0.18	0.16	0.15
19.09.2024	0.32	0.19	0.17	0.16
23.09.2024	0.34	0.20	0.19	0.18
26.09.2024	0.28	0.17	0.16	0.16
30.09.2024	0.32	0.19	0.17	0.18
Max	0.38	0.25	0.22	0.21
Min	0.28	0.17	0.16	0.15
Avg	0.32	0.20	0.18	0.17
NAAQ* Standard	4			
Methods of Analysis	IS: 5182 (Part- 10)			

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000158F

Report No- GFAPL/24-25/SMR/086

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ambient Air Monitoring		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Instrument Used	Respirable Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Location Code	Lab Id Code	Sampling Location	Date of Sampling	O ₃ (µg/m ³)	NH ₃ (µg/m ³)
AAQ1	GF/24-25/A452	Near Admin Office	23.09.2024	<8.0	<20.0
AAQ2	GF/24-25/A453	Near Dispensary	23.09.2024	<8.0	<20.0
AAQ3	GF/24-25/A454	Village Rugudi	23.09.2024	<8.0	<20.0
AAQ4	GF/24-25/A455	Village Lohidapada	23.09.2024	<8.0	<20.0
NAAQ* Standard				100	400
Methods of Analysis				IS:5182 (Part-9)	IS:5182 (Part-25)

Reviewed By

Authorized Signatory

Chief Analyst
GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Mr. S.K. Parhi
BHUBANESWAR, ODISHA

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com

(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/24-25/SMR/087

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha..		
Nature of Sampling	Workzone Air Monitoring		
Sampling By	GFAPL's Representative	Date of Sampling	23.09.2024
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Instrument Used	Respirable Dust Sampler.		
Sampling Method	As Per IS: 5182		

Name of Location	Location	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	C6H6 ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
AAQ1	Near Admin Office	<0.06	<0.6	<0.44	<5	<1
AAQ2	Near Dispensary	<0.06	<0.6	<0.44	<5	<1
AAQ3	Village Rugudi	<0.06	<0.6	<0.44	<5	<1
AAQ4	Village Lohidapada	<0.06	<0.6	<0.44	<5	<1
NAAQ* Standard		1	20	6	5	1
Methods of Analysis		IS:5182 (Part-22)	IS:5182 (Part-26)	As per CPCB method followed by AAS	IS:5182 (Part-11)	IS:5182 (Part-12)

Reviewed By

Authorized Signatory

CHIEF ANALYST
Chief Analyst
Miss. Arti Sahoo
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
Technical Manager
Mr. SIKTHANJ
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000159F

Report No- GFAPL/24-25/SMR/088

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ambient Noise Monitoring		
Location of performance of Laboratory activities	Site Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Instrument Used	Sound Level Meter		
Sampling Method	As Per IS:9989		

Sl.No.	Locations	Date of Sampling	Day Time	Night Time
			Results in dB(A)	
1	Near Admin Office; Latitude: 21°59'26.41"N& Longitude: 85°19'39.29"E	23.09.2024	60.4	48.8
2	Near Dispensary; Latitude: 21°59'33.80"N& Longitude: 85°19'24.18"E	23.09.2024	48.1	37..6
Industrial Zone permissible limits as per CPCB Norms			75 dB(A)	70 dB(A)
3	Village Rugudi; Latitude: 21°59'50.80"N& Longitude: 85°19'20.16"E	24.09.2024	48.6	37.8
4	Village Lohidapada; Latitude: 21°59'35.97"N& Longitude: 85°19'08.86"E	24.09.2024	48.4	38.2
Residential Zone permissible limits as per CPCB Norms			55 dB(A)	45 dB(A)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Chief Analyst
Miss. Arti Sahoo

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Technical Manager
Mr. S.K. Barik



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurdha

Mail Id: greenforceassociates@gmail.com

ULR No- TC122582400000160F

Report No- GFAPL/24-25/SMR/089

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Workzone Noise Monitoring		
Location of performance of Laboratory activities	Site Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Instrument Used	Sound Level Meter		
Sampling Method	As Per IS:9989		

Sl.No	Locations	Date Of Sampling	Day Time	Night Time
			Results in dB(A)	
1	Near Main Gate; Latitude: 21°59'36.61"N & Longitude: 85°19'27.95"E	25.09.2024	65.6	59.2
2	Near Crushing Plant; Latitude: 21°59'27.80"N & Longitude: 85°19'38.89"E	25.09.2024	67.5	60.8
3	Near Power Plant; Latitude: 21°59'27.87"N & Longitude: 85°19'30.78"E	26.09.2024	65.2	59.8
4	Near SMS - 1; Latitude: 21°59'23.62"N& Longitude: 85°19'37.62"E	26.09.2024	67.6	61.1
5	Near SMS -2; Latitude: 21°59'36.28"N& Longitude: 85°19'34.16"E	27.09.2024	67.8	61.4
6	Near Blast Furnace; Latitude: 21°59'23.15"N& Longitude: 85°19'32.77"E	27.09.2024	68.2	62.8
7	Near Rolling Mill-1; Latitude: 21°59'23.96"N& Longitude 85°19'39.63"E	28.09.2024	69.4	64.8
8	Near Rolling Mill-2; Latitude 21°59'39.20"N& Longitude 85°19'36.15"E	28.09.2024	69.1	64.9
Industrial Zone permissible limits as per CPCB Norms			Day Time— 75 dB(A)	Night Time— 70 dB(A)

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arti Sahoo
BHUBANESHWAR, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Mr. S.K. Parhi
BHUBANESHWAR, ODISHA

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END OF REPORT

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000161F

Report No- GFAPL/24-25/SMR/090

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Fugitive Dust Emission		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Instrument Used	Respirable Dust Sampler		
Sampling Method	As Per IS:5182		

Sl. No.	Name of Location	Lab Id Code	Latitude	Longitude	Date of Sampling	Result
1	Near Main Gate	GF/24-25/A444	21°59'36.61"N	85°19'27.95"E	20.09.2024	424.7
2	Near Crushing Plant	GF/24-25/A445	21°59'27.80"N	85°19'38.89"E	20.09.2024	408.2
3	Near Power Plant	GF/24-25/A446	21°59'27.87"N	85°19'30.78"E	20.09.2024	419.6
4	Near SMS-1	GF/24-25/A447	21°59'23.62"N	85°19'37.62"E	20.09.2024	401.7
5	Near SMS-2	GF/24-25/A456	21°59'36.28"N	85°19'34.16"E	24.09.2024	456.4
6	Near Blast Furnace	GF/24-25/A457	21°59'23.15"N	85°19'32.77"E	24.09.2024	428.3
7	Near Rolling Mill-1	GF/24-25/A458	21°59'23.96"N	85°19'39.63"E	24.09.2024	472.9
8	Near Rolling Mill-2	GF/24-25/A459	21°59'39.20"N	85°19'36.15"E	24.09.2024	437.0
Fugitive Standard						1200
Methods of Analysis					IS:5182(Part-24)	

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Chief Analyst
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
Mr. S.K. Parhi
BHUBANESWAR, ODISHA

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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000162F

Report No- GFAPL/24-25/SMR/091

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Stack Monitoring		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Date of Sampling	26.09.2024	Date of Receiving	27.09.2024
Date of Analysis	27.09.2024	Date of Complete	28.09.2024
Sampling Location & Coordinates	ST-1: Stack Attached to DRI 1&2; Lat: 20°59'28.66"N & Long: 85°19'35.76"E ST-2: Stack Attached to DRI 3&4; Lat: 20°59'26.74"N & Long: 85°19'38.33"E		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer	Lab Id Code	ST1-GF/2023-24/St34 ST2- GF/2023-24/St35
Sampling Method	As Per IS:11255		

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST1	ST2
01	Temperature in K	IS-11255 (PART-3) 1985	---	397	395
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	12.23	14.64
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	45297.1	54773.7
05	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985 Gravimetric Method	100	33.6	30.1
06	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	30.2	80.1
07	CO in %	IS-13270:1992	1%	<0.2	<0.2
08	CO ₂ in %	IS-13270:1992	---	1.5	1.4

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, ODISHA

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Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000163F

Report No- GFAPL/24-25/SMR/092

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Stack Monitoring		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Date of Sampling	26.09.2024	Date of Receiving	27.09.2024
Date of Analysis	27.09.2024	Date of Complete	28.09.2024
Sampling Location & Coordinates	ST-3: Stack Attached to DRI 5&6; Lat: 20°59'26.95"N & Long: 85°19'38.80"E ST-4: Stack Attached to ABC Boiler; Lat: 20°59'27.67"N & Long: 85°19'31.06"E		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer	Lab Id Code	ST1-GF/2023-24/St36 ST2-GF/2023-24/St37

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST3	ST4
01	Temperature in K	IS-11255 (PART-3) 1985	---	398	396
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	14.38	14.58
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	21298.3	85873.3
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985 Gravimetric Method	100	33.9	20.6
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	72.6	18.2
06	CO in %	IS-13270:1992	1%	<0.2	<0.2
07	CO ₂ in %	IS-13270:1992	---	1.6	1.5

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Miss Arati Sahoo

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Mr. S.K. Parhi

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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com

(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/24-25/SMR/093

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Stack Monitoring		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Date of Sampling	26.09.2024	Date of Receiving	27.09.2024
Date of Analysis	27.09.2024	Date of Complete	28.09.2024
Sampling Location & Coordinates	ST-1: Stack Attached to DRI 1&2; Lat: 20°59'28.66"N & Long: 85°19'35.76"E ST-2: Stack Attached to DRI 3&4; Lat: 20°59'26.74"N & Long: 85°19'38.33"E		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST1	ST2
01	Pbar in mm Hg	--	---	690	690
02	NOx (mg/Nm ³)	IS-11255(PART-2) 1985	300	62.6	70.8

Reviewed By

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
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M. S. K. Parida
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Report No- GFAPL/24-25/SMR/094

Issued Date- 04.10.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Stack Monitoring		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Atmospheric Pollution
Sampling By	GFAPL's Representative		
Date of Sampling	26.09.2024	Date of Receiving	27.09.2024
Date of Analysis	27.09.2024	Date of Complete	28.09.2024
Sampling Location & Coordinates	ST-3: Stack Attached to DRI 5&6; Lat: 20°59'26.95"N & Long: 85°19'38.80"E ST-4: Stack Attached to ABC Boiler; Lat: 20°59'27.67"N & Long: 85°19'31.06"E		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST3	ST4
01	Pbar in mm Hg	--	---	690	690
02	NOx (mg/Nm ³)	IS-11255(PART-2) 1985	300	56.4	64.4

Reviewed By

Authorized Signatory

CHIEF ANALYST
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TECHNICAL MANAGER
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