

**ENVIRONMENT MONITORING
REPORT OF
MONTH JANUARY-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



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- TC12258230000000076F

Report No- GFAPL/23-24/SMR/051

Issued Date- 05.02.2024

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		

Date of Sampling	Lab Id Code	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)
01.01.2024	GF/23-24/A251	85.4	46.7	17.5	23.9
04.01.2024	GF/23-24/A259	88.5	50.4	18.2	24.6
08.01.2024	GF/23-24/A267	90.4	52.9	18.8	25.8
11.01.2024	GF/23-24/A275	92.6	53.3	19.4	26.6
15.01.2024	GF/23-24/A283	95.6	56.3	20.4	28.2
18.01.2024	GF/23-24/A295	92.1	54.2	20.1	27.8
22.01.2024	GF/23-24/A303	72.8	37.1	14.2	21.8
25.01.2024	GF/23-24/A315	70.1	36.3	13.8	20.8
29.01.2024	GF/23-24/A323	76.4	38.3	14.8	22.2
Avg		84.8	47.2	17.4	24.6
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)

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Chief Analyst

Miss. Arti Sahoo

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Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Technical Manager

Mr. S.K. Parhi



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- TC12258230000000077F

Report No- GFAPL/23-24/SMR/052

Issued Date- 05.02.2024

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		

Date of Sampling	Lab Id Code	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
01.01.2024	GF/23-24/A252	62.1	32.5	9.1	16.7
04.01.2024	GF/23-24/A260	67.6	35	9.6	17.4
08.01.2024	GF/23-24/A268	69.2	36.3	10.3	18.2
11.01.2024	GF/23-24/A276	71.5	37.5	10.5	18.7
15.01.2024	GF/23-24/A284	70.6	36.3	10.9	18.9
18.01.2024	GF/23-24/A296	68.8	35	10.3	17.8
22.01.2024	GF/23-24/A304	58.4	28.8	8.1	12.4
25.01.2024	GF/23-24/A316	54.9	26.3	7.8	11.6
29.01.2024	GF/23-24/A324	57	28.8	8.4	12.8
Avg		64.4	32.9	9.4	16.0
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)

Verified By

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

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Technical Manager
Mr. S.K. Parhi

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

Mail Id: greenforceassociates@gmail.com

ULR No- TC12258230000000078F

Report No- GFAPL/23-24/SMR/053

Issued Date- 05.02.2024

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		

Date of Sampling	Lab Id Code	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
01.01.2024	GF/23-24/A253	66.4	35	8.3	15.1
04.01.2024	GF/23-24/A261	71.5	36.3	8.8	15.9
08.01.2024	GF/23-24/A269	68.9	35	9.3	16.1
11.01.2024	GF/23-24/A277	70.4	38.8	10.3	17.4
15.01.2024	GF/23-24/A285	72.4	37.5	10.4	17.2
18.01.2024	GF/23-24/A297	70.2	36.3	9.8	16.8
22.01.2024	GF/23-24/A305	52.3	25	6.8	10.4
25.01.2024	GF/23-24/A317	50.8	25	6.3	9.8
29.01.2024	GF/23-24/A325	54.6	26.3	6.8	10.6
Avg		64.1	32.8	8.5	14.3
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)

Verified By

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

Authorized By

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 - Khurdha

Mail Id: greenforceassociates@gmail.com

ULR No- TC12258230000000079F

Report No- GFAPL/23-24/SMR/054

Issued Date- 05.02.2024

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		

Date of Sampling	Lab Id Code	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
01.01.2024	GF/23-24/A254	70.4	37.5	8.8	16.1
04.01.2024	GF/23-24/A262	73.8	38.8	9.6	16.9
08.01.2024	GF/23-24/A270	72.2	37.5	9.6	17.4
11.01.2024	GF/23-24/A278	73.8	38.8	10.4	18.2
15.01.2024	GF/23-24/A286	75.3	38.8	10.8	18.8
18.01.2024	GF/23-24/A298	71.7	37.5	10.4	17.8
22.01.2024	GF/23-24/A306	53.4	26.3	6.6	10.8
25.01.2024	GF/23-24/A318	50.4	25	5.8	9.6
29.01.2024	GF/23-24/A326	52.9	26.3	6.4	10.3
Avg		65.9	34.0	8.7	15.1
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)

Verified By
CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Miss. Arti Sahoo

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TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED

Plot No- 1363-3892, Baibhab Realcon, Fulnakhara, Cuttack, Odisha, India 754001

Mail Id: greenforceassociates@gmail.com

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

Report No- GFAPL/23-24/SMR/055

Issued Date- 05.02.2024

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		

Date of Sampling	CO (mg/m ³)			
	AAQ1	AAQ2	AAQ3	AAQ4
01.01.2024	0.66	0.46	0.44	0.47
04.01.2024	0.67	0.48	0.46	0.49
08.01.2024	0.69	0.5	0.48	0.51
11.01.2024	0.71	0.51	0.5	0.52
15.01.2024	0.75	0.52	0.52	0.53
18.01.2024	0.74	0.5	0.51	0.51
22.01.2024	0.5	0.34	0.3	0.31
25.01.2024	0.48	0.32	0.28	0.27
29.01.2024	0.52	0.35	0.31	0.29
Avg	0.63	0.44	0.42	0.43
NAAQ* Standard	4			
Methods of Analysis	IS: 5182 (Part- 10)			

Verified By

ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Chief Analyst

Miss. Arti Sahoo

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Technical Manager

Mr. S.K. Parhi

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Working office Address :

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



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- TC12258230000000080F

Report No- GFAPL/23-24/SMR/056

Issued Date- 05.02.2024

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.		

Location Code	Lab Id Code	Sampling Location	Date of Sampling	O3 ($\mu\text{g}/\text{m}^3$)	NH3 ($\mu\text{g}/\text{m}^3$)
AAQ1	GF/23-24/A303	Near Admin Office	22.01.2024	8.8	22.7
AAQ2	GF/23-24/A304	Near Dispensary	22.01.2024	<8.0	<20.0
AAQ3	GF/23-24/A305	Village Rugudi	22.01.2024	<8.0	<20.0
AAQ4	GF/23-24/A306	Village Lohidapada	22.01.2024	<8.0	<20.0
NAAQ* Standard				100	400
Methods of Analysis				IS:5182 (Part-9)	IS:5182 (Part-25)

Verified By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Chief Analyst
Bhubaneswar, Odisha
Miss. Arti Sahoo

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Technical Manager
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Mail Id: greenforceassociates@gmail.com

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

Report No- GFAPL/23-24/SMR/057

Issued Date- 05.02.2024

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	22.01.2024
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.		

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)

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Chief Analyst

Miss. Arti Sahoo

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TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Technical Manager

Mr. S.K. Parhi

Working office Address :

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



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- TC12258230000000081F

Report No- GFAPL/23-24/SMR/058

Issued Date- 05.02.2024

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		

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	21.01.2024	65.8	51.8
2	Near Dispensary; Latitude: 21°59'33.80"N& Longitude: 85°19'24.18"E	21.01.2024	47.5	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	22.01.2024	47.4	37.2
4	Village Lohidapada; Latitude: 21°59'35.97"N& Longitude: 85°19'08.86"E	22.01.2024	47.5	37.2
Residential Zone permissible limits as per CPCB Norms			55 dB(A)	45 dB(A)

Verified By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst
Bhubaneswar, ODISHA

Miss. Arti Sahoo

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Technical Manager
Bhubaneswar, ODISHA

Mr. S.K. Parhi



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- TC12258230000000082F

Report No- GFAPL/23-24/SMR/059

Issued Date- 05.02.2024

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		

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	23.01.2024	68.7	63.8
2	Near Crushing Plant; Latitude: 21°59'27.80"N& Longitude: 85°19'38.89"E	23.01.2024	69.4	64.6
3	Near Power Plant; Latitude: 21°59'27.87"N& Longitude: 85°19'30.78"E	24.01.2024	69.1	64.1
4	Near SMS - 1; Latitude: 21°59'23.62"N& Longitude: 85°19'37.62"E	24.01.2024	69.1	64.2
5	Near SMS - 2; Latitude: 21°59'36.28"N& Longitude: 85°19'34.16"E	25.01.2024	69.3	64.8
6	Near Blast Furnace; Latitude: 21°59'23.15"N& Longitude: 85°19'32.77"E	25.01.2024	69.8	64.8
7	Near Milling Role-1; Latitude: 21°59'23.96"N& Longitude: 85°19'39.63"E	26.01.2024	70.4	67.2
8	Near Milling Role-2; Latitude: 21°59'39.20"N& Longitude: 85°19'36.15"E	26.01.2024	70.1	66.8
Industrial Zone permissible limits as per CPCB Norms			Day Time- 75 dB(A)	Night Time- 70 dB(A)

Verified By CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Chief Analyst

Miss. Arti Sahoo

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Baramunda, Bhubaneswar, Dist - Khurdha

Mail Id: greenforceassociates@gmail.com

ULR No- TC12258230000000083F

Report No- GFAPL/23-24/SMR/060

Issued Date- 05.02.2024

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				
Sl. No.	Name of Location	Lab Id Code	Latitude	Longitude	Date of Sampling	Result
1	Near Main Gate	GF/23-24/A287	21°59'36.61"N	85°19'27.95"E	16.01.2024	954.5
2	Near Crushing Plant	GF/23-24/A288	21°59'27.80"N	85°19'38.89"E	16.01.2024	850.5
3	Near Power Plant	GF/23-24/A289	21°59'27.87"N	85°19'30.78"E	16.01.2024	894.9
4	Near SMS-1	GF/23-24/A290	21°59'23.62"N	85°19'37.62"E	16.01.2024	956.8
5	Near SMS-2	GF/23-24/A307	21°59'36.28"N	85°19'34.16"E	23.01.2024	556.3
6	Near Blast Furnace	GF/23-24/A308	21°59'23.15"N	85°19'32.77"E	23.01.2024	505.7
7	Near MillingRole-1	GF/23-24/A309	21°59'23.96"N	85°19'39.63"E	23.01.2024	529.5
8	Near MillingRole-2	GF/23-24/A310	21°59'39.20"N	85°19'36.15"E	23.01.2024	538.2
Fugitive Standard						1200
Methods of Analysis					IS:5182(Part-24)	

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Bhubaneswar, ODISHA

Chief Analyst
Miss. Arti Sahoo

Note:

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Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Bhubaneswar, ODISHA

Technical Manager

Mr. S.K. Parhi



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- TC12258230000000084F

Report No- GFAPL/23-24/SMR/061

Issued Date- 05.02.2024

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	25.01.2024	Date of Receiving	27.01.2024
Date of Analysis	27.01.2024	Date of Complete	29.01.2024
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/St26 ST2- GF/202324/St27

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST1	ST2
01	Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	394	397
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	13.66	13.38
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985, (RA-2013)	---	50176.3	48407.8
05	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	30.4	32.6
06	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	54.9	56.7
07	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2	<0.2
08	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.6	1.9

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GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Miss. Arti Sahoo

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TECHNICAL MANAGER

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BHUBANESWAR, ODISHA

Technical Manager

Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Mail Id: greenforceassociates@gmail.com

ULR No- TC12258230000000085F

Report No- GFAPL/23-24/SMR/062

Issued Date- 05.02.2024

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	26.01.2024	Date of Receiving	28.01.2024
Date of Analysis	29.01.2024	Date of Complete	31.01.2024
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	ST3- GF/2023-24/St28 ST4- GF/202324/St29

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST3	ST4
01	Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	398	382
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	14.53	15.05
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985, (RA-2013)	---	21021.6	93049.9
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	31.8	32.2
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	46.4	44.3
06	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2	<0.2
07	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.8	1.7

Verified By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Arti Sahoo

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Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED

Plot No- 1363-3892, Baibhab Realcon, Fulnakhara, Cuttack, Odisha, India 754001

Mail Id: greenforceassociates@gmail.com

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

Report No- GFAPL/23-24/SMR/063

Issued Date- 05.02.2024

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	25.01.2024	Date of Receiving	27.01.2024
Date of Analysis	27.01.2024	Date of Complete	29.01.2024
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	48.6	68.2

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst
Miss. Arti Sahoo

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Technical Manager
Mr. S.K. Parhi

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Working office Address :

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



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

Report No- GFAPL/23-24/SMR/064

Issued Date- 05.02.2024

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	26.01.2024	Date of Receiving	28.01.2024
Date of Analysis	29.01.2024	Date of Complete	31.01.2024
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	50.8	56.4

Verified By

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

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
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