

**ENVIRONMENT MONITORING
REPORT OF
MONTH DECEMBER-2023**



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,**

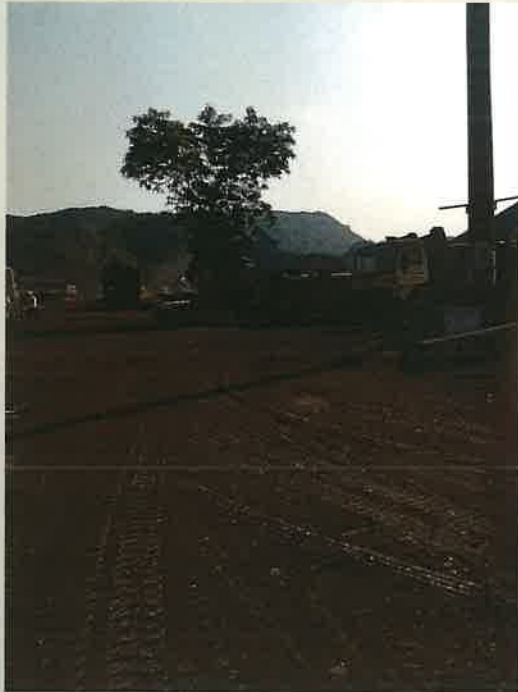
Bhubaneswar-751003

NABL Certificate No:- TC-12258

PHOTOGRAPHS OF ENVIRONMENT MONITORING



PHOTOGRAPHS OF ENVIRONMENT MONITORING





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- TC12258230000000059F

Report No- GFAPL/23-24/SMR/037

Issued Date- 04.01.2024

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 ($\mu\text{g}/\text{m}^3$)
04.12.2023	GF/23-24/A179	76.5	40	15.2	20.4
07.12.2023	GF/23-24/A187	78.2	40.4	15.8	21.2
11.12.2023	GF/23-24/A195	82.4	43.8	16.6	22.6
14.12.2023	GF/23-24/A203	80.6	42.5	16.9	23.4
18.12.2023	GF/23-24/A215	83.5	44.2	17.2	23.9
21.12.2023	GF/23-24/A223	79.8	41.7	16.4	22.8
25.12.2023	GF/23-24/A235	85.4	46.3	17.5	23.8
28.12.2023	GF/23-24/A243	83.9	44.6	16.9	23.2
Avg		81.2	42.9	16.5	22.6
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

Authorized By

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

Note:

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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- TC12258230000000060F

Report No- GFAPL/23-24/SMR/038

Issued Date- 04.01.2024

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 ($\mu\text{g}/\text{m}^3$)
04.12.2023	GF/23-24/A180	59.1	30	6.6	12.4
07.12.2023	GF/23-24/A188	64.1	32.5	6.8	12.8
11.12.2023	GF/23-24/A196	62.9	31.3	7.4	13.7
14.12.2023	GF/23-24/A204	64.6	33.8	7.8	14.5
18.12.2023	GF/23-24/A216	65.9	33.8	8.3	15.2
21.12.2023	GF/23-24/A224	65	32.5	7.8	14.8
25.12.2023	GF/23-24/A236	66.7	33.8	8.6	15.6
28.12.2023	GF/23-24/A244	65.1	33.8	8.9	16.2
Avg		64.1	32.6	7.7	14.4
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

Authorized By

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

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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- TC12258230000000061F

Report No- GFAPL/23-24/SMR/039

Issued Date- 04.01.2024

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 ($\mu\text{g}/\text{m}^3$)
04.12.2023	GF/23-24/A181	61.4	31.3	5.8	11.8
07.12.2023	GF/23-24/A189	63.4	32.5	6.3	12.4
11.12.2023	GF/23-24/A197	61.4	31.3	6.5	12.8
14.12.2023	GF/23-24/A205	62.9	31.3	6.9	13.4
18.12.2023	GF/23-24/A217	63.7	32.5	6.6	12.8
21.12.2023	GF/23-24/A225	61.8	31.3	6.4	12.8
25.12.2023	GF/23-24/A237	65.3	33.8	6.9	13.6
28.12.2023	GF/23-24/A245	65.7	33.8	7.3	14.2
Avg		63.2	32.2	6.5	12.9
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

Authorized By

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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Baramunda, Bhubaneswar, Dist - Khurdha

Mail Id: greenforceassociates@gmail.com



ULR No- TC12258230000000062F

Report No- GFAPL/23-24/SMR/040

Issued Date- 04.01.2024

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 ($\mu\text{g}/\text{m}^3$)
04.12.2023	GF/23-24/A182	63.6	32.5	6.4	12.6
07.12.2023	GF/23-24/A190	66.6	33.8	6.8	13.6
11.12.2023	GF/23-24/A198	65.3	33.8	7.4	14.5
14.12.2023	GF/23-24/A206	63.7	32.5	6.8	13.8
18.12.2023	GF/23-24/A218	67.3	35	7.6	14.9
21.12.2023	GF/23-24/A226	64.6	32.5	7.3	14.4
25.12.2023	GF/23-24/A238	67.6	33.8	7.9	15.2
28.12.2023	GF/23-24/A246	68.7	35	8.3	15.8
Avg		65.9	33.6	7.3	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
Bhubaneswar, Odisha

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Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha



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/041

Issued Date- 04.01.2024

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/m3)			
	AAQ1	AAQ2	AAQ3	AAQ4
04.12.2023	0.57	0.35	0.35	0.36
07.12.2023	0.58	0.37	0.36	0.38
11.12.2023	0.6	0.39	0.37	0.41
14.12.2023	0.62	0.4	0.39	0.39
18.12.2023	0.64	0.42	0.36	0.42
21.12.2023	0.62	0.4	0.37	0.41
25.12.2023	0.65	0.43	0.39	0.43
28.12.2023	0.64	0.45	0.4	0.45
Avg	0.61	0.40	0.37	0.40
NAAQ* Standard	4			
Methods of Analysis	IS: 5182 (Part- 10)			

Verified By

CHIEF ANALYST

Chief Analyst

Miss Arti Sahoo

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END OF REPORT

--1--

Authorized By

TECHNICAL MANAGER

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- TC12258230000000063F

Report No- GFAPL/23-24/SMR/042

Issued Date- 04.01.2024

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/A235	Near Admin Office	25.12.2023	12.3	28.8
AAQ2	GF/23-24/A236	Near Dispensary	25.12.2023	9.2	22.7
AAQ3	GF/23-24/A237	Village Rugudi	25.12.2023	<8.0	<20.0
AAQ4	GF/23-24/A238	Village Lohidapada	25.12.2023	<8.0	<20.0
NAAQ* Standard				100	400
Methods of Analysis				IS:5182 (Part-9)	IS:5182 (Part-25)

Verified By

Authorized By

Chief Analyst
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Technical Manager
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

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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/043

Issued Date- 04.01.2024

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	25.12.2023
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
Miss. Arti Sahoo
GREENFORCE ASSOCIATES PRIVATE LIMITED
CUTTACK, ODISHA

Authorized By


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

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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- TC12258230000000064F

Report No- GFAPL/23-24/SMR/044

Issued Date- 04.01.2024

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	18.12.2023	65.6	52.2
2	Near Dispensary; Latitude: 21°59'33.80"N& Longitude: 85°19'24.18"E	18.12.2023	47.6	38.1
Industrial Zone permissible limits as per TNPCB Norms			75 dB(A)	70 dB(A)
3	Village Rugudi; Latitude: 21°59'50.80"N& Longitude: 85°19'20.16"E	19.12.2023	47.5	37.6
4	Village Lohidapada; Latitude: 21°59'35.97"N& Longitude: 85°19'08.86"E	19.12.2023	47.7	37.4
Residential Zone permissible limits as per CPCB Norms			55 dB(A)	45 dB(A)

Verified By

Chief Analyst

Miss. Arti Sahoo

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Authorized By

Technical Manager

Mr. S.K. Panda



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- TC12258230000000065F

Report No- GFAPL/23-24/SMR/045

Issued Date- 04.01.2024

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	20.12.2023	68.6	64.2
2	Near Crushing Plant; Latitude: 21°59'27.80"N& Longitude: 85°19'38.89"E	20.12.2023	69.1	65.2
3	Near Power Plant; Latitude: 21°59'27.87"N& Longitude: 85°19'30.78"E	21.12.2023	69.4	64.8
4	Near SMS - 1; Latitude: 21°59'23.62"N& Longitude: 85°19'37.62"E	21.12.2023	68.9	64.7
5	Near SMS - 2; Latitude: 21°59'36.28"N& Longitude: 85°19'34.16"E	22.12.2023	69.6	65.5
6	Near Blast Furnace; Latitude: 21°59'23.15"N& Longitude: 85°19'32.77"E	22.12.2023	69.7	65.2
7	Near Milling Role-1; Latitude: 21°59'23.96"N& Longitude: 85°19'39.63"E	23.12.2023	70.2	67.4
8	Near Milling Role-2; Latitude: 21°59'39.20"N& Longitude: 85°19'36.15"E	23.12.2023	70.3	67.2
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

Chief Analyst
Miss. Arti Sahoo

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TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
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Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

ULR No- TC12258230000000066F

Report No- GFAPL/23-24/SMR/046

Issued Date- 04.01.2024

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/A207	21°59'36.61"N	85°19'27.95"E	15.12.2023	782.8
2	Near Crushing Plant	GF/23-24/A208	21°59'27.80"N	85°19'38.89"E	15.12.2023	718.3
3	Near Power Plant	GF/23-24/A209	21°59'27.87"N	85°19'30.78"E	15.12.2023	749.6
4	Near SMS-1	GF/23-24/A210	21°59'23.62"N	85°19'37.62"E	15.12.2023	794.6
5	Near SMS-2	GF/23-24/A227	21°59'36.28"N	85°19'34.16"E	22.12.2023	802.6
6	Near Blast Furnace	GF/23-24/A228	21°59'23.15"N	85°19'32.77"E	22.12.2023	742.8
7	Near MillingRole-1	GF/23-24/A229	21°59'23.96"N	85°19'39.63"E	22.12.2023	772.5
8	Near MillingRole-2	GF/23-24/A230	21°59'39.20"N	85°19'36.15"E	22.12.2023	792.8
Fugitive Standard						1200
Methods of Analysis					IS:5182(Part-24)	

Verified By

Chief Analyst
Miss. Arti Sahoo

Authorized By

Technical Manager
Mr. S.K. Parhi

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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- TC12258230000000067F

Report No- GFAPL/23-24/SMR/047

Issued Date- 04.01.2024

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	22.12.2023	Date of Receiving	24.12.2023
Date of Analysis	26.12.2023	Date of Complete	27.12.2023
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/St20 ST2- GF/202324/St21

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST1	ST2
01	Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	392	399
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	13.03	12.91
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985, (RA-2013)	---	50154.7	48121.3
05	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	32.5	31.7
06	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	57.7	55.4
07	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2	<0.2
08	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.7	1.8

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

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Authorized By

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- TC12258230000000068F

Report No- GFAPL/23-24/SMR/048

Issued Date- 04.01.2024

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	23.12.2023	Date of Receiving	25.12.2023
Date of Analysis	27.12.2023	Date of Complete	28.12.2023
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/St22 ST2- GF/202324/St23

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST3	ST4
01	Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	400	384
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	15.12	14.59
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985, (RA-2013)	---	22538.0	93202.5
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	35.2	33.1
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	44.8	42.7
06	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2	<0.2
07	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.8	1.9

Verified By

Authorized By

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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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/049

Issued Date- 04.01.2024

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	22.12.2023	Date of Receiving	24.12.2023
Date of Analysis	26.12.2023	Date of Complete	27.12.2023
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	47.2	66.4

Verified By


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

Authorized By


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

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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- 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/050

Issued Date- 04.01.2024

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	23.12.2023	Date of Receiving	25.12.2023
Date of Analysis	27.12.2023	Date of Complete	28.12.2023
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	48.6	52.4

Verified By

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

Authorized By

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

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