

**ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
MAY - 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- TC1225824000000030F

Report No- GFAPL/24-25/SMR/015

Issued Date- 04.06.2024

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 ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
02.05.2024	GF/24-25/A085	82.4	44.6	17.4	24.8
06.05.2024	GF/24-25/A093	78.6	40.0	16.3	23.2
09.05.2024	GF/24-25/A101	70.8	35.0	14.2	19.6
13.05.2024	GF/24-25/A109	72.6	36.7	14.8	20.2
16.05.2024	GF/24-25/A117	73.2	37.5	15.4	20.8
20.05.2024	GF/24-25/A129	75.6	38.8	15.9	21.4
23.05.2024	GF/24-25/A138	65.6	32.9	10.8	16.8
27.05.2024	GF/24-25/A150	60.1	30.4	8.6	13.6
30.05.2024	GF/24-25/A158	64.5	32.1	9.8	15.5
Max		82.4	44.6	17.4	24.8
Min		60.1	30.4	8.6	13.6
Avg		71.5	36.4	13.7	19.5
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
Bhubaneswar, Odisha

Note:

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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- TC12258240000000031F

Report No- GFAPL/24-25/SMR/016

Issued Date- 04.06.2024

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 ($\mu\text{g}/\text{m}^3$)
02.05.2024	GF/24-25/A086	63.8	32.1	8.4	14.2
06.05.2024	GF/24-25/A094	60.4	30.8	7.8	13.2
09.05.2024	GF/24-25/A102	58.2	29.6	7.2	12.4
13.05.2024	GF/24-25/A110	56.8	28.3	7.6	12.8
16.05.2024	GF/24-25/A118	59.4	30.0	8.1	13.2
20.05.2024	GF/24-25/A130	61.6	30.8	8.4	13.5
23.05.2024	GF/24-25/A139	56.4	28.3	6.6	11.3
27.05.2024	GF/24-25/A151	51.2	25.8	5.6	10.4
30.05.2024	GF/24-25/A159	55.8	28.3	6.8	11.8
Max		63.8	32.1	8.4	14.2
Min		51.2	25.8	5.6	10.4
Avg		58.2	29.4	7.4	12.5
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
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



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- TC12258240000000032F

Report No- GFAPL/24-25/SMR/017

Issued Date- 04.06.2024

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 ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)
02.05.2024	GF/24-25/A087	63.8	32.5	8.6	15.8
06.05.2024	GF/24-25/A095	61.9	31.3	7.8	14.8
09.05.2024	GF/24-25/A103	57.6	27.9	6.8	12.2
13.05.2024	GF/24-25/A111	60.4	30.4	7.5	12.6
16.05.2024	GF/24-25/A119	62.8	31.7	7.9	13.2
20.05.2024	GF/24-25/A131	65.6	32.5	8.4	13.6
23.05.2024	GF/24-25/A140	54.6	27.1	6.3	11.6
27.05.2024	GF/24-25/A152	49.1	24.6	5.6	10.6
30.05.2024	GF/24-25/A160	53.5	26.7	6.6	11.6
Max		65.6	32.5	8.6	15.8
Min		49.1	24.6	5.6	10.6
Avg		58.8	32.7	7.3	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)

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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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 - Khurdha



Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000033F

Report No- GFAPL/24-25/SMR/018

Issued Date- 04.06.2024

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 ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)
02.05.2024	GF/24-25/A088	62.2	31.7	7.6	14.2
06.05.2024	GF/24-25/A096	60.4	30.4	7.2	12.8
09.05.2024	GF/24-25/A104	56.2	28.3	6.8	11.8
13.05.2024	GF/24-25/A112	59.6	30.0	7.4	12.2
16.05.2024	GF/24-25/A120	61.5	31.7	7.8	12.6
20.05.2024	GF/24-25/A132	63.2	32.1	8.1	13.1
23.05.2024	GF/24-25/A141	53.2	26.7	5.4	10.2
27.05.2024	GF/24-25/A153	48.4	24.2	4.8	9.6
30.05.2024	GF/24-25/A161	53.6	26.7	5.4	10.2
Max		63.2	32.1	8.1	14.2
Min		48.4	24.2	4.8	9.6
Avg		57.6	29.1	6.7	11.9
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
Chief Analyst
GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arni Sahoo
BHUBANESWAR, ODISHA

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

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



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/019

Issued Date- 04.06.2024

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
02.05.2024	0.59	0.41	0.45	0.42
06.05.2024	0.57	0.38	0.41	0.37
09.05.2024	0.52	0.36	0.36	0.34
13.05.2024	0.54	0.37	0.38	0.37
16.05.2024	0.55	0.39	0.40	0.38
20.05.2024	0.58	0.40	0.42	0.40
23.05.2024	0.46	0.35	0.33	0.31
27.05.2024	0.43	0.31	0.28	0.26
30.05.2024	0.45	0.36	0.32	0.30
Max	0.59	0.41	0.45	0.42
Min	0.43	0.31	0.28	0.26
Avg	0.52	0.37	0.37	0.35
NAAQ* Standard	4			
Methods of Analysis	IS: 5182 (Part- 10)			

Verified By

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

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TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Mr. S.K. Parhi
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- TC12258240000000034F
Report No- GFAPL/24-25/SMR/020

Issued Date- 04.06.2024

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/24-25/A138	Near Admin Office	23.05.2024	<8.0	<20.0
AAQ2	GF/24-25/A139	Near Dispensary	23.05.2024	<8.0	<20.0
AAQ3	GF/24-25/A140	Village Rugudi	23.05.2024	<8.0	<20.0
AAQ4	GF/24-25/A141	Village Lohidapada	23.05.2024	<8.0	<20.0
NAAQ* Standard				100	400
Methods of Analysis				IS:5182 (Part-9)	IS:5182 (Part-25)

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
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

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

Report No- GFAPL/24-25/SMR/021

Issued Date- 04.06.2024

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	Date of Sampling	23.05.2024
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)

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



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- TC12258240000000035F

Report No- GFAPL/24-25/SMR/022

Issued Date- 04.06.2024

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	16.05.2024	66.2	52.9
2	Near Dispensary; Latitude: 21°59'33.80"N& Longitude: 85°19'24.18"E	16.05.2024	49.2	38.7
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	18.05.2024	48.9	36.8
4	Village Lohidapada; Latitude: 21°59'35.97"N& Longitude: 85°19'08.86"E	18.05.2024	47.7	38.2
Residential Zone permissible limits as per CPCB Norms			55 dB(A)	45 dB(A)

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
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 - Khurdha
Mail Id: greenforceassociates@gmail.com

ULR No- TC12258240000000036F
Report No- GFAPL/24-25/SMR/023

Issued Date- 04.06.2024

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	20.05.2024	66.9	61.1
2	Near Crushing Plant; Latitude: 21°59'27.80"N& Longitude: 85°19'38.89"E	20.05.2024	68.2	63.2
3	Near Power Plant; Latitude: 21°59'27.87"N& Longitude: 85°19'30.78"E	23.05.2024	65.9	59.4
4	Near SMS - 1; Latitude: 21°59'23.62"N& Longitude: 85°19'37.62"E	23.05.2024	70.1	64.9
5	Near SMS - 2; Latitude: 21°59'36.28"N& Longitude: 85°19'34.16"E	24.05.2024	67.2	59.8
6	Near Blast Furnace; Latitude: 21°59'23.15"N& Longitude: 85°19'32.77"E	24.05.2024	70.9	65.1
7	Near Rolling Mill-1; Latitude: 21°59'23.96"N& Longitude: 85°19'39.63"E	27.05.2024	71.2	66.4
Industrial Zone permissible limits as per CPCB Norms			Day Time- 75 dB(A)	Night Time- 70 dB(A)

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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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- TC12258240000000037F

Report No- GFAPL/24-25/SMR/024

Issued Date- 04.06.2024

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/24-25/A121	21°59'36.61"N	85°19'27.95"E	17.05.2024	705.2
2	Near Crushing Plant	GF/24-25/A122	21°59'27.80"N	85°19'38.89"E	17.05.2024	692.5
3	Near Power Plant	GF/24-25/A123	21°59'27.87"N	85°19'30.78"E	17.05.2024	634.5
4	Near SMS-1	GF/24-25/A124	21°59'23.62"N	85°19'37.62"E	17.05.2024	667.5
5	Near SMS-2	GF/24-25/A142	21°59'36.28"N	85°19'34.16"E	24.05.2024	678.3
6	Near Blast Furnace	GF/24-25/A143	21°59'23.15"N	85°19'32.77"E	24.05.2024	648.2
7	Near Rolling Mill-1	GF/24-25/A144	21°59'23.96"N	85°19'39.63"E	24.05.2024	636.4
Fugitive Standard						1200
Methods of Analysis					IS:5182(Part-24)	

Verified By

Arti Sahoo

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

Authorized By

Shri. S. K. Mishra

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Mr. S. K. Mishra
BHUBANESWAR, ODISHA

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



ULR No- TC12258240000000038F
Report No- GFAPL/24-25/SMR/025

Issued Date- 04.06.2024

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	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	30.05.2024
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/St32 ST2- GF/2023-24/St33

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST1	ST2
01	Temperature in K	IS-11255 (PART-3) 1985	---	405	399
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	15.32	15.24
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	55605.5	57731.4
05	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985 Gravimetric Method	100	27.2	26.4
06	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	60.4	58.6
07	CO in %	IS-13270:1992	1%	<0.2	<0.2
08	CO ₂ in %	IS-13270:1992	---	1.9	1.6

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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



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



Mail Id: greenforceassociates@gmail.com



ULR No- TC12258240000000039F

Report No- GFAPL/24-25/SMR/026

Issued Date- 04.06.2024

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	28.05.2024	Date of Receiving	29.05.2024
Date of Analysis	29.305.2024	Date of Complete	31.05.2024
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/St34 ST2-GF/2023-24/St35

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST3	ST4
01	Temperature in K	IS-11255 (PART-3) 1985	---	395	393
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	14.78	13.99
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	22960.4	86154.3
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985 Gravimetric Method	100	25.8	28.4
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	52.2	52.6
06	CO in %	IS-13270:1992	1%	<0.2	<0.2
07	CO ₂ in %	IS-13270:1992	---	1.8	1.7

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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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 - Khurdha



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Report No- GFAPL/24-25/SMR/027

Issued Date- 04.06.2024

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	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	30.05.2024
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	58.4	70.2

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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Report No- GFAPL/24-25/SMR/028

Issued Date- 04.06.2024

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	28.05.2024	Date of Receiving	29.05.2024
Date of Analysis	29.05.2024	Date of Complete	31.05.2024
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	54.6	64.2

Verified By

Authorized By

Chief Analyst
GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Anirban
BHUBANESWAR, ODISHA

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

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

ULR No- TC1225824000000040F
Report No- GFAPL/24-25/SMR/029

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ground Water Quality		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	31.05.2024
Sampling Location & Coordinates	GW1-Inside Colony; Latitude: 21°59'34.27"N & Longitude: 85°19'26.87"E GW2-Village Rugudihi; Latitude: 21°59'50.80"N & Longitude: 85°19'20.16"E GW3-Village Lohidapada; Latitude: 21°59'35.29"N & Longitude: 85°19'10.86"E	Lab Id Code	GW1-GF/24-25/W031 GW2-GF/24-25/W032 GW2-GF/24-25/W033

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				Acceptable Limit	Permissible Limit			
01	Colour	IS 3025: (Part 4)- 1983	Hazen	5	15	<5.0	<5.0	<5.0
02	Turbidity	APHA 24th ED: 2130-B-2023	NTU	1	5	<1	<1	<1
03	pH Value @250C	APHA 24th ED 4500-H+B:2023	--	6.5-8.5	NR	6.94	6.98	6.84
04	Total Dissolved Solids(TDS)	APHA 24th ED: 2540-C: 2023	mg/l	500	2000	228.0	244.0	210.0
05	Chloride (as Cl)	APHA 24th Ed 4500-Cl-B:2023	mg/l	250	1000	19.0	23.0	21.0
06	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	139.0	146.0	119.0
07	Calcium	APHA 24th Ed 3500-Ca-B:2023	mg/l	75	200	32.1	33.7	29.7
08	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	14.3	15.1	10.9

REMARKS: NR- Not Relaxable;



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Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				Acceptable Limit	Permissible Limit			
09	Total Alkalinity	APHA 24th ED 2320-B: 2023	mg/l	200	600	130.0	138.0	116.0
10	Residual Free Chlorine	APHA 24 th ED 4500 CL-B: 2023	mg/l	0.2	1.0	<0.2	<0.2	<0.2
11	Cyanide	APHA 24th ED 4500 CN-F: 2023	mg/l	0.05	NR	<0.02	<0.02	<0.02
12	Total Chromium	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	NR	<0.05	<0.05	<0.05
13	Iron	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.3	NR	0.19	0.2	0.21
14	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	4.5	4.2	4.8
15	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	0.10	0.13	0.14
16	Boron	APHA 24th ED 4500 B-B: 2023	mg/l	0.5	1.0	<0.01	<0.01	<0.01
17	Manganese	IS 3025 PART-59:2006 RA 2012	mg/l	0.1	0.3	<0.05	<0.05	<0.05
18	Sodium as Na(max)	APHA 24th ED 3500-Na-B	mg/l	--	--	11.2	14.2	12.9
19	Potassium as K(max)	APHA 24th ED 3500-K-B	mg/l	--	--	1.4	1.6	1.5

REMARKS: NR- Not Relaxable;

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Report No- GFAPL/24-25/SMR/029

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Ground Water Quality		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	31.05.2024
Sampling Location & Coordinates	GW1-Inside Colony; Latitude: 21°59'34.27"N & Longitude: 85°19'26.87"E GW2-Village Rugudihi; Latitude: 21°59'50.80"N & Longitude: 85°19'20.16"E GW3-Village Lohidapada; Latitude: 21°59'35.29"N & Longitude: 85°19'10.86"E		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				Acceptable Limit	Permissible Limit			
01	Odour	APHA 24th ED: 2150-B-2023	---	Agreeable	Agreeable	U/O	U/O	U/O
02	Taste	APHA 24th ED: 2160-B-2023	---	Agreeable	Agreeable	AL	AL	AL
03	Nitrate	APHA 24th ED 4500-NO3-E: 2023	mg/l	45	NR	1.82	1.9	1.98
04	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.003	NR	<0.001	<0.001	<0.001
05	Copper (as Cu)	IS: 3025(Part 42)	mg/l	0.05	1.5	<0.02	<0.02	<0.02
06	Zinc (as Zn)	APHA 24th ED 3500 Zn: 2023	mg/l	5	15	<0.02	<0.02	<0.02
07	Lead (as Pb)	APHA 24th ED 3500 Pb: 2023	mg/l	0.01	NR	<0.01	<0.01	<0.01
08	Selenium (as Se)	APHA 24th ED 3500 B: 2023	mg/l	0.001	NR	<0.001	<0.001	<0.001
09	Mercury (as Hg)	APHA 24th ED 3500 Hg: 2023	mg/l	0.001	NR	<0.001	<0.001	<0.001

REMARKS: NR- Not Relaxable, U/O- Unobjectionable, AL- Acceptable



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Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2	GW3
				Acceptable Limit	Permissible Limit			
10	Arsenic (as As)	APHA 24th ED 3500As: 2023	mg/l	0.01	0.05	<0.001	<0.001	<0.001
11	Aluminum (as Al)	APHA 24th ED 3500Al : 2023	mg/l	0.03	0.2	<0.01	<0.01	<0.01
12	Mineral Oil	APHA 24th ED 5220 B: 2023	mg/l	0.5	NR	ND	ND	ND
13	Anionic Detergents (as MBAS)	APHA 24th ED 5540 C : 2023	mg/l	0.2	1.0	ND	ND	ND
14	Phenolic Compound (as C ₆ H ₅ OH)	APHA 24th ED 5530 B,D: 2023	mg/l	--	--	<0.001	<0.001	<0.001
15	Total Coliforms	APHA 24th ED 9222-H: 2023	100/MPN	0.2	NR	<1.8	<1.8	<1.8

REMARKS: NR- Not Relaxable, ND-Not Detectable

Verified By

[Signature]
CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized By

[Signature]
TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
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- TC12258240000000041F
Report No- GFAPL/24-25/SMR/030

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Surface Water Quality		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	03.06.2024
Sampling Location & Coordinates	SW- Karo River; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E	Lab Id Code	SW-GF/24-25/W030

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
01	Colour	IS 3025: (Part 4)- 1983	Hazen	300	<5.0
02	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	<1.0
03	pH Value @250C	APHA 24th ED 4500-H+B:2023	--	6.0-9.0	7.28
04	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	221.8
05	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	1500	132
06	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	600	19.0
07	Cyanide	APHA 24th ED 4500 CN-F:2023	mg/	0.05	<0.02
08	Hexavalent Chromium (as Cr+6)	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	<0.05
09	Iron (as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.5	0.35
10	Sulfate(as SO4)	APHA 24th ED 4500- SO4 D: 2023	mg/l	400	6.6



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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
11	Fluoride (as F)	APHA 24th ED 4500-F-C: 2023	mg/l	1.5	0.08
12	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	--	<1.0
13	Dissolved Oxygen	APHA 24th ED 4500 O-C:2023	mg/l	4	6.2
14	Biological Oxygen Demand	IS 3025 (PART 44) : 1993 REA-2009	mg/l	3.0	<2.0
15	Chemical Oxygen Demand	APHA 24th ED 5220 C:2023	mg/l	--	14.0

Verified By

Chief Analyst
Miss. Arti Sahoo

GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Authorized By

TECHNICAL MANAGER
Mr. S.K. Parhi

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 - Khurdha

Mail Id: greenforceassociates@gmail.com
(An ISO 14001, 9001, 45001 certified Consulting Organization & NABL Accredited Laboratory)

Report No- GFAPL/24-25/SMR/030

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Surface Water Quality		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	03.06.2024
Sampling Location & Coordinates	SW- Karo River; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
01	Nitrate as (NO ₃)	APHA 24th ED 4500-NO3-E: 2023	mg/l	50	1.96
02	Phenolic Compound (as C ₆ H ₅ OH)	APHA 24th ED 5530 B,D: 2023	mg/l	0.005	<0.001
03	Copper (as Cu)	IS: 3025(Part 42)	mg/l	1.5	0.08
04	Lead (as Pb)	APHA 24th ED 3500 Pb: 2023	mg/l	0.1	<0.01
05	Zinc (as Zn)	APHA 24th ED 3500 Zn: 2023	mg/l	15	0.12
06	Arsenic (as As)	APHA 24th ED 3500As: 2023	mg/l	0.2	<0.001
07	Selenium (as Se)	APHA 24th ED 3500 B: 2023	mg/l	0.05	<0.001
08	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.01	<0.001
09	Total Coliforms	APHA 24th ED 9222-H: 2023	100/MPN	5000	510

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
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- TC1225824000000042F
Report No- GFAPL/24-25/SMR/031

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Effluent Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	31.05.2024
Sampling Location & Coordinates	ETP1- ETP INLET; Latitude: 21°59'28.24"N & Longitude: 85°19'24.21"E. ETP2- ETP OUTLET; Latitude: 21°59'30.19"N & Longitude: 85°19'27.13"E.	Lab Id Code	ETP1- GF/24-25/W034 ETP2- GF/24-25/W035

Sl. No.	Parameter	Testing Methods	Unit	Standard as Per E(p) Act, 1986 Schedule-VI(b)	ETP1	ETP2
01	pH Value @250C	APHA 24th ED 4500 H+B:2023	--	5.5-9	7.05	7.24
02	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	239.6	284.2
03	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	2100	148.0	186.0
04	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	100	184	12
05	Hexavalent Chromium (as Cr+6)	APHA 24th ED 3500-Cr-B: 2023	mg/l	2.0	<0.05	<0.05
06	Total Chromium (as Cr+6)	APHA 24th ED 3500-Cr-B: 2023	mg/l	2	0.32	<0.05
07	Iron (as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	3	1.16	0.44
08	Sulfate(as SO4)	APHA 24th ED 4500-SO4 D: 2023	mg/l	1000	24.2	7.8



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Sl. No.	Parameter	Testing Methods	Unit	Standard as Per E(p) Act, 1986 Schedule-VI(b)	ETP1	ETP2
09	Fluoride (as F)	APHA 24th ED 4500-F-C: 2023	mg/l	1.5-2	0.44	0.12
10	Phosphate (as PO ₄)	APHA 24th ED 4500-P-D: 2023	mg/l	5	1.56	0.08
11	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	10	4.2	<1.0
12	Chemical Oxygen Demand (as COD)	APHA 24th ED 5220 C:2023	mg/l	250	480.0	18.0
13	Ammonical Nitrogen	APHA 24th ED 4500-NH ₃ - C:2023	mg/l	50	3.5	0.7

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CHIEF ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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

Report No- GFAPL/24-25/SMR/031

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Effluent Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	31.05.2024
Sampling Location & Coordinates	ETP1- ETP INLET; Latitude: 21°59'28.24"N & Longitude: 85°19'24.21"E. ETP2- ETP OUTLET; Latitude: 21°59'30.19"N & Longitude: 85°19'27.13"E.		

Sl. No.	Parameter	Testing Methods	Unit	Standard as Per E(p) Act, 1986 Schedule-VI(b)	ETP1	ETP2
01	Nitrate as (NO ₃)	APHA 24th ED 4500-NO3-E: 2023	mg/l	10-20	12.6	2.96
02	Total Kjheldhal Nitrogen	APHA 24th ED 4500-Norg B; NH3-B, C:2023	mg/l	100	9.1	1.4

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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TECHNICAL MANAGER

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Bhubaneswar, Odisha

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

ULR No- TC1225824000000043F
Report No- GFAPL/24-25/SMR/032

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Sewage Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	03.06.2024
Sampling Location & Coordinates	STP1-Inside Colony; Latitude: 21°59'36.83"N & Longitude: 85°19'28.00"E STP2-Near Canteen; Latitude: 21°59'28.99"N & Longitude: 85°19'32.99"E STP3-SRTP Outlet; Latitude: 21°59'35.97"N & Longitude: 85°19'28.58"EE	Lab Id Code	STP1- GF/24-25/W036 STP2- GF/24-25/W037 STP3- GF/24-25/W038

Sl. No.	Parameter	Testing Methods	Unit	Standard as per- MoEFCC 13 th October 2017	STP1	STP2	SRTP
01	pH Value @250C	APHA 24th ED 4500 H+B:2023	--	6.5-9.0	6.92	7.28	7.16
02	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	--	132	156	144
03	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	<50	16	18	20
04	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	--	<1.0	<1.0	<1.0
05	Biological Oxygen Demand	IS 3025 (PART 44) : 1993 REA-2009	mg/l	20	<2.0	<2.0	<2.0
06	Chemical Oxygen Demand	APHA 24th ED 5220 C:2023	mg/l	--	16	14	12

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

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TECHNICAL MANAGER
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Mr. S.K. Parhi, ODISHA

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Plot No- 1363-3892, Baibhab Realcon, Fulnakhara,
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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Mail Id: greenforceassociates@gmail.com

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

Report No- GFAPL/24-25/SMR/032

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Sewage Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	03.06.2024
Sampling Location & Coordinates	STP1-Inside Colony; Latitude: 21°59'36.83"N & Longitude: 85°19'28.00"E STP2-Near Canteen; Latitude: 21°59'28.99"N & Longitude: 85°19'32.99"E STP3-SRTP Outlet; Latitude: 21°59'35.97"N & Longitude: 85°19'28.58"EE.		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per- MoEFCC 13 th October 2017	STP1	STP2	STP3
01	Total Kjeldhal Nitrogen	APHA 24th ED 4500-Norg B; NH3-B, C:2023	mg/l	---	2.1	2.1	0.7

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Mail Id: greenforceassociates@gmail.com

ULR No- TC1225824000000044F
Report No- GFAPL/24-25/SMR/033

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Soil		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Soil
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	03.06.2024
Sampling Location & Coordinates	S1- Plant Area; Latitude: 21°59'26.41"N & Longitude: 85°19'39.29"E S2- Village Rugudihi; Latitude: 21°59'50.80"N & Longitude: 85°19'20.16"E S3-Village Lohidapada; Latitude: 21°59'35.29"N & Longitude: 85°19'10.86"E	Lab Id Code	S1- GF/2024-25/S-03 S2- GF/2024-25/S-04 S3- GF/2024-25/S-05

Sl. No.	Parameter	Testing Methods	Unit	S1	S2	S3
01	pH	IS: 2720(Part-26)-1987	%	5.88	6.32	6.01
02	Organic Carbon	IS: 2720(Part-22)-1972	%	0.96	1.64	1.62
03	Moisture Content	IS: 2720(Part-2)-1973	%	7.4	7.8	7.6
04	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.68	2.67	2.66
05	Sulfate	IS: 2720(Part-27)-1977	mg/Kg	112	148	142

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Arati Sahoo

TECHNICAL MANAGER
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Bhubaneswar, Odisha
Mr. S.K. Parida

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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Report No- GFAPL/24-25/SMR/033

Issued Date- 04.06.2024

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Barbil, Dist-Keonjhar, Odisha.		
Nature of Sampling	Soil		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Soil
Date of Sampling	27.05.2024	Date of Receiving	28.05.2024
Date of Analysis	28.05.2024	Date of Complete	03.06.2024
Sampling Location & Coordinates	S1- Plant Area; Latitude: 21°59'26.41"N & Longitude: 85°19'39.29"E S2- Village Rugudihi; Latitude: 21°59'50.80"N & Longitude: 85°19'20.16"E S3-Village Lohidapada; Latitude: 21°59'35.29"N & Longitude: 85°19'10.86"E.		

Sl. No.	Parameter	Testing Methods	Unit	S1	S2	S3
01	Colour	GFAPL/SOP/Soil & Rock/01-23	--	Brown	Brown	Brown
02	Electrical conductivity (as EC)	IS:14767: 2000	micro s/cm	182.4	168.6	164.2
03	Soil Texture	GFAPL/SOP/Soil & Rock/02-23	--	Sandy loamy	Clay loamy	Clay loamy
04	Bulk Density	GFAPL/SOP/Soil & Rock/03-23	gm/cc	1.35	1.25	1.27
05	Calcium as Ca	IS: 2720(Part-23)	mg/kg	402	385	368
06	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	212	196	188
07	Nitrogen as N	IS:14684: 1999	kg/hect	60	140	144
08	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	28	36	34
09	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	164	124	128
10	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	112	98	96



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Sl.No.	Parameter	Testing Methods	Unit	S1	S2	S3
11	Manganese (as Mn)	GFAPL/SOP/Soil & Rock/08-23	mg/kg	10.6	1.9	1.8
12	Iron (as Fe)	GFAPL/SOP/Soil & Rock/09-23	%	2.56	1.24	1.62

REMARKS: NR- Not Relaxable;

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ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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