

**ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
AUGUST - 2025**



Client- M/s SREE METALIKS LTD.

Address- Loidapada, Barbil,

Dist- Keonjhar, Odisha



Monitored By - Green Force Associates Pvt. Ltd.

Address- Plot No-1363/3850, At- Baibhab Nagar,

Lane-2, Nakhara, Dist-Khorda, Odisha-754001

NABL Certificate No:- TC-12258

PHOTOGRAPHS OF ENVIRONMENT MONITORING



ULR No- TC1225825000000218F

Report No- GFAPL/25-26/SMR/062

Issued Date- 04.08.2025

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)
04.08.2025	GF/25-26/A984	52.7	25.0	5.8	10.8
07.08.2025	GF/25-26/A1021	50.9	25.0	5.5	10.3
11.08.2025	GF/25-26/A1054	55.6	26.3	5.8	11.0
14.08.2025	GF/25-26/A1085	51.6	25.0	5.3	10.8
18.08.2025	GF/25-26/A1118	52.5	25.0	5.2	10.4
21.08.2025	GF/25-26/A1163	50.6	25.0	5.3	10.5
25.08.2025	GF/25-26/A1197	49.1	25.0	5.3	10.3
28.08.2025	GF/25-26/A1231	58.3	30.0	5.9	11.0
Max		58.3	30.0	5.9	11.0
Min		49.1	25.0	5.2	10.3
Avg		52.6	25.7	5.5	10.6
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)

Reviewed By

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

Authorized Signatory

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

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END OF REPORT

--1--

ULR No- TC1225825000000219F

Report No- GFAPL/25-26/SMR/063

Issued Date- 04.08.2025

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)
04.08.2025	GF/25-26/A985	50.1	25.0	5.2	10.3
07.08.2025	GF/25-26/A1022	48.6	23.8	4.8	9.7
11.08.2025	GF/25-26/A1055	52.1	25.0	5.2	10.4
14.08.2025	GF/25-26/A1086	48.4	22.5	4.7	9.7
18.08.2025	GF/25-26/A1119	49.3	25.0	4.8	9.7
21.08.2025	GF/25-26/A1164	48.4	22.5	4.7	9.7
25.08.2025	GF/25-26/A1198	46.3	22.5	4.7	9.5
28.08.2025	GF/25-26/A1232	52.6	25.0	5.3	10.5
Max		52.6	25.0	5.3	10.5
Min		46.3	22.5	4.7	9.5
Avg		49.4	23.9	4.9	9.9
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)

Reviewed By

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

Authorized Signatory

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

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--1--

ULR No- TC1225825000000220F

Report No- GFAPL/25-26/SMR/064

Issued Date- 04.08.2025

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)
04.08.2025	GF/25-26/A986	31.5	15.0	<4.0	<9.0
07.08.2025	GF/25-26/A1023	30.4	15.0	<4.0	<9.0
11.08.2025	GF/25-26/A1056	36.3	16.3	<4.0	<9.0
14.08.2025	GF/25-26/A1087	31.2	15.0	<4.0	<9.0
18.08.2025	GF/25-26/A1120	28.9	13.3	<4.0	<9.0
21.08.2025	GF/25-26/A1165	28.2	12.5	<4.0	<9.0
25.08.2025	GF/25-26/A1199	27.1	12.5	<4.0	<9.0
28.08.2025	GF/25-26/A1233	30.4	15.0	<4.0	<9.0
Max		36.3	16.3	<4.0	<9.0
Min		27.1	12.5	<4.0	<9.0
Avg		30.5	14.3	<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
BHUBANESWAR, ODISHA
Miss. Arti Sahoo

Authorized Signatory

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

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END OF REPORT

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ULR No- TC122582500000221F

Report No- GFAPL/25-26/SMR/065

Issued Date- 04.08.2025

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)
04.08.2025	GF/25-26/A987	31.3	15.0	<4.0	<9.0
07.08.2025	GF/25-26/A1024	29.5	15.0	<4.0	<9.0
11.08.2025	GF/25-26/A1057	35.4	16.3	<4.0	<9.0
14.08.2025	GF/25-26/A1088	30.5	15.0	<4.0	<9.0
18.08.2025	GF/25-26/A1121	28.2	13.3	<4.0	<9.0
21.08.2025	GF/25-26/A1166	27.9	12.5	<4.0	<9.0
25.08.2025	GF/25-26/A1200	26.7	12.5	<4.0	<9.0
28.08.2025	GF/25-26/A1234	29.7	15.0	<4.0	<9.0
Max		35.4	16.3	<4.0	<9.0
Min		26.7	12.5	<4.0	<9.0
Avg		29.9	14.3	<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
BHUBANESWAR, ODISHA
Miss. Anil Sahoo

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

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END OF REPORT

-1-

GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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

Report No- GFAPL/25-26/SMR/066

Issued Date- 04.08.2025

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
04.08.2025	0.31	0.30	0.15	0.14
07.08.2025	0.30	0.28	0.14	0.13
11.08.2025	0.32	0.31	0.17	0.16
14.08.2025	0.30	0.29	0.15	0.14
18.08.2025	0.30	0.28	0.14	0.13
21.08.2025	0.29	0.26	0.12	0.12
25.08.2025	0.28	0.24	0.12	0.12
28.08.2025	0.31	0.29	0.13	0.13
Max	0.32	0.31	0.17	0.16
Min	0.28	0.24	0.12	0.12
Avg	0.30	0.28	0.14	0.13
NAAQ* Standard	4			
Methods of Analysis	IS: 5182 (Part- 10)			

Reviewed By

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

Authorized Signatory

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

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ULR No- TC1225825000000222F

Report No- GFAPL/25-26/SMR/067

Issued Date- 04.08.2025

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 ($\mu\text{g}/\text{m}^3$)	NH ₃ ($\mu\text{g}/\text{m}^3$)
AAQ1	GF/25-26/A1118	Near Admin Office	18.08.2025	<8.0	<20.0
AAQ2	GF/25-26/A1119	Near Dispensary	18.08.2025	<8.0	<20.0
AAQ3	GF/25-26/A1120	Village Rugudi	18.08.2025	<8.0	<20.0
AAQ4	GF/25-26/A1121	Village Lohidapada	18.08.2025	<8.0	<20.0
NAAQ* Standard				100	400
Methods of Analysis				IS:5182 (Part-9)	IS:5182 (Part-25)

Reviewed By

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

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
BHUBANESWAR, ODISHA

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GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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Report No- GFAPL/25-26/SMR/068

Issued Date- 04.08.2025

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	18.08.2025
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	<0.1	<6.0	<0.5	<5	<1
AAQ2	Near Dispensary	<0.1	<6.0	<0.5	<5	<1
AAQ3	Village Rugudi	<0.1	<6.0	<0.5	<5	<1
AAQ4	Village Lohidapada	<0.1	<6.0	<0.5	<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

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

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
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-1-

ULR No- TC1225825000000223F

Report No- GFAPL/25-26/SMR/069

Issued Date- 04.08.2025

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	18.08.2025	59.1	48.2
2	Near Dispensary; Latitude: 21°59'33.80"N& Longitude: 85°19'24.18"E	18.08.2025	58.7	39.2
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	19.08.2025	48.7	39.5
4	Village Lohidapada; Latitude: 21°59'35.97"N& Longitude: 85°19'08.86"E	19.08.2025	49.1	39.8
Residential Zone permissible limits as per CPCB Norms			55 dB(A)	45 dB(A)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst

BHUBANESWAR, ODISHA

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Technical Manager

BHUBANESWAR, ODISHA

ULR No- TC1225825000000224F

Report No- GFAPL/25-26/SMR/070

Issued Date- 04.08.2025

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	20.08.2025	68.5	58.6
2	Near Crushing Plant; Latitude: 21°59'27.80"N & Longitude: 85°19'38.89"E	20.08.2025	67.1	60.7
3	Near Power Plant; Latitude: 21°59'27.87"N & Longitude: 85°19'30.78"E	21.08.2025	68.6	59.8
4	Near SMS - 1; Latitude: 21°59'23.62"N & Longitude: 85°19'37.62"E	21.08.2025	67.3	61.2
5	Near SMS -2; Latitude: 21°59'36.28"N & Longitude: 85°19'34.16"E	22.08.2025	69.2	59.3
6	Near Blast Furnace; Latitude: 21°59'23.15"N & Longitude: 85°19'32.77"E	22.08.2025	70.2	61.5
7	Near Rolling Mill-1; Latitude: 21°59'23.96"N & Longitude: 85°19'39.63"E	25.08.2025	68.4	63.2
8	Near Rolling Mill-2; Latitude: 21°59'39.20"N & Longitude: 85°19'36.15"E	25.08.2025	70.6	64.8
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
Bhubaneswar, Odisha
Miss. Arati Sahoo

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
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-1-

ULR No- TC1225825000000225F

Report No- GFAPL/25-26/SMR/071

Issued Date- 04.08.2025

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/25-26/A1140	21°59'36.61"N	85°19'27.95"E	19.08.2025	240.4
2	Near Crushing Plant	GF/25-26/A1141	21°59'27.80"N	85°19'38.89"E	19.08.2025	212.4
3	Near Power Plant	GF/25-26/A1142	21°59'27.87"N	85°19'30.78"E	19.08.2025	246.2
4	Near SMS-1	GF/25-26/A1143	21°59'23.62"N	85°19'37.62"E	19.08.2025	232.5
5	Near SMS-2	GF/25-26/A1211	21°59'36.28"N	85°19'34.16"E	26.08.2025	284.6
6	Near Blast Furnace	GF/25-26/A1212	21°59'23.15"N	85°19'32.77"E	26.08.2025	261.3
7	Near Rolling Mill-1	GF/25-26/A1213	21°59'23.96"N	85°19'39.63"E	26.08.2025	273.7
8	Near Rolling Mill-2	GF/25-26/A1214	21°59'39.20"N	85°19'36.15"E	26.08.2025	254.6
Fugitive Standard						1200
Methods of Analysis					IS:5182(Part-24)	

Reviewed By

Authorized Signatory

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

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
BHUBANESWAR, ODISHA

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--1--

ULR No- TC1225825000000226F

Report No- GFAPL/25-26/SMR/072

Issued Date- 04.08.2025

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	20.08.2025	Date of Receiving	21.08.2025
Date of Analysis	21.08.2025	Date of Complete	23.08.2025
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/2025-26/St036 ST1-GF/2025-26/St037
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	---	399	398
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	11.47	14.10
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	42336.0	52305.2
05	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985 Gravimetric Method	100	33.2	31.6
06	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	36.4	76.2
07	CO in %	IS-13270:1992	1%	<0.2	<0.2
08	CO ₂ in %	IS-13270:1992	---	1.6	1.4

Reviewed By

Chief Analyst

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Chief Analyst
Miss. Arti Sahoo
Note:

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Technical Manager
Mr. S. K. Parida

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ULR No- TC122582500000227F

Report No- GFAPL/25-26/SMR/073

Issued Date- 04.08.2025

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	20.08.2025	Date of Receiving	21.08.2025
Date of Analysis	21.08.2025	Date of Complete	23.08.2025
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/2025-26/St038 ST1-GF/2025-26/St039
Sampling Method	As Per IS:11255		

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST3	ST4
01	Temperature in K	IS-11255 (PART-3) 1985	---	395	391
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	14.13	14.17
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	21387.8	86173.5
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985 Gravimetric Method	100	36.8	24.4
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	78.4	24.8
06	CO in %	IS-13270:1992	1%	<0.2	<0.2
07	CO ₂ in %	IS-13270:1992	---	1.5	1.4

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst

BHUBANESHWAR, ODISHA

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Technical Manager

BHUBANESHWAR, ODISHA

GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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

Report No- GFAPL/25-26/SMR/074

Issued Date- 04.08.2025


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	20.08.2025	Date of Receiving	21.08.2025
Date of Analysis	21.08.2025	Date of Complete	23.08.2025
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		
Sampling Method	As Per IS:11255		

Sl. No	Parameter	Testing Method	As per CPCB Standard	ST1	ST2
01	Pbar in mm Hg	--	---	690	690
02	NO _x (mg/Nm ³)	IS-11255(PART-2) 1985	300	54.5	68.2

Reviewed By

Authorized Signatory


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


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

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GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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

Report No- GFAPL/25-26/SMR/075

Issued Date- 04.08.2025

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	20.08.2025	Date of Receiving	21.08.2025
Date of Analysis	21.08.2025	Date of Complete	23.08.2025
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		
Sampling Method	As Per IS:11255		

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	60.6	70.8

Reviewed By

ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESHWAR, ODISHA

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESHWAR, ODISHA

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-1--

ULR No- TC1225825000000228F

Report No- GFAPL/25-26/SMR/076

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
Sampling Location & Coordinates	SW- Karo River; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E	Lab Id Code	SW-GF/25-26/W232
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
01	Colour	IS 3025: (Part 4)- 1983	Hazen	300	60
02	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	10.5
03	pH Value @250C	APHA 24th ED 4500-H+B:2023	--	6.5-8.5	7.14
04	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	174.3
05	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	1500	105
06	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	600	17.0
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	50	0.29
10	Sulfate(as SO4)	APHA 24th ED 4500- SO4 D: 2023	mg/l	400	4.5

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	<0.05
12	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	0.1	<2.0
13	Dissolved Oxygen	APHA 24th ED 4500 O-C:2023	mg/l	4	6.5
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	--	10.0

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

Reviewed By

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

Authorized Signatory

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

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ASSOCIATES PRIVATE LIMITED

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Report No- GFAPL/25-26/SMR/076

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
Sampling Location & Coordinates	SW- Karo River; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

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	1.48
02	Phenolic Compound (as C ₆ H ₅ OH)	APHA 24th ED 5530 B,D: 2023	mg/l	—	<0.001
03	Copper (as Cu)	IS: 3025(Part 42)	mg/l	1.5	0.05
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	0.08
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	MPN/100ml	5000	900

Reviewed By

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

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END OF REPORT

3 of 3

Authorized Signatory

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

ULR No- TC1225825000000229F

Report No- GFAPL/25-26/SMR/077

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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/25-26/W233 GW2- GF/25-26/W234 GW2- GF/25-26/W235
Sampling Method	As Per APHA 24th ED: 1060B:2023		

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	7.1	7.14	7.08
04	Total Dissolved Solids(TDS)	APHA 24th ED: 2540-C: 2023	mg/l	500	2000	172.0	184.0	169.0
05	Chloride (as Cl)	APHA 24th Ed 4500-CI-B:2023	mg/l	250	1000	18.0	21.0	22.0
06	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	108.0	112.0	102.0
07	Calcium	APHA 24th Ed 3500-Ca-B:2023	mg/l	75	200	26.5	27.3	24.9
08	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	10.2	10.7	9.7

REMARKS: NR- Not Relaxable;

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	98.0	104.0	96.0
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	0.17	0.2	0.18
14	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	2.8	2.9	2.9
15	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	<0.05	<0.05	<0.05
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	--	--	10.8	12.8	13.3
19	Potassium as K(max)	APHA 24th ED 3500- K-B	mg/l	--	--	1.1	1.2	1.2

REMARKS: NR- Not Relaxable;

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Chief Analyst

Miss. Arti Sahoo

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Technical Manager
Mr. S. K. Parhi

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END OF REPORT

2 of 4

Report No- GFAPL/25-26/SMR/077

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

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	1.48	1.58	1.70
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	MPN/100 ml	0.2	NR	<1.8	<1.8	<1.8

REMARKS: NR- Not Relaxable, ND-Not Detectable

Reviewed By

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

Authorized Signatory

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

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END OF REPORT

ULR No- TC1225825000000230F

Report No- GFAPL/25-26/SMR/078

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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/25-26/W236 ETP2- GF/25-26/W237
Sampling Method	As Per APHA 24th ED: 1060B:2023		

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	--	5.5-9.0	7.51	7.2
02	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	293.5	235.1
03	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	--	180.0	158.0
04	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	600	164	14
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+3)	APHA 24th ED 3500-Cr-B: 2023	mg/l	2.0	0.22	<0.05
07	Iron (as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	3	0.98	0.42
08	Sulfate(as SO4)	APHA 24th ED 4500- SO4 D: 2023	mg/l	--	20.6	4.2

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	15	0.38	0.08
10	Phosphate (as PO ₄)	APHA 24th ED 4500-P-D: 2023	mg/l	--	0.84	<0.05
11	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	20	6.2	<2.0
12	Chemical Oxygen Demand (as COD)	APHA 24th ED 5220 C:2023	mg/l	--	160.0	12.0
13	Ammonical Nitrogen	APHA 24th ED 4500-NH ₃ -C:2023	mg/l	50	2.8	<0.7

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.R. Parhi
BHUBANESWAR, ODISHA

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Report No- GFAPL/25-26/SMR/078

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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.		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

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	--	9.6	2.7
02	Total Kjeldhal Nitrogen	APHA 24th ED 4500-Norg B; NH3-B, C:2023	mg/l	--	7.2	0.7

Reviewed By

CHIEF ANALYST
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Chief Analyst
BHUBANESWAR, ODISHA
Miss. Arti Sahoo

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
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END OF REPORT

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ULR No- TC1225825000000231F

Report No- GFAPL/25-26/SMR/079

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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/25-26/W238 STP2- GF/25-26/W239 STP3- GF/25-26/W240
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per- MoEFCC 13 th October 2017	STP1	STP2	STP3
01	pH Value @250C	APHA 24th ED 4500 H+B:2023	--	6.5-9.0	7.15	7.18	7.06
02	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	--	124	128	130
03	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	<50	16	20	20
04	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	--	<2.0	<2.0	<2.0
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	--	10	10	12

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Miss. Arati Sahoo

BHUBANESHWAR, ODISHA

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END OF REPORT

1 of 2

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Mr. S.N. Parida

BHUBANESHWAR, ODISHA

GREEN FORCE

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Report No- GFAPL/25-26/SMR/079

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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.		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

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	--	0.7	0.7	0.7

Reviewed By

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

Authorized Signatory

TECHNICAL MANAGER
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M.F. S.K. Parhi

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END OF REPORT

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ULR No- TC1225825000000232F

Report No- GFAPL/25-26/SMR/080

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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/2025-26/S-48 S2- GF/2025-26/S-49 S3- GF/2025-26/S-50
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameter	Testing Methods	Unit	S1	S2	S3
01	pH	IS: 2720(Part-26)-1987	%	6.2	6.42	6.34
02	Organic Carbon	IS: 2720(Part-22)-1972	%	0.94	1.35	1.38
03	Moisture Content	IS: 2720(Part-2)-1973	%	8.6	8.5	8.8
04	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.7	2.65	2.65
05	Sulfate	IS: 2720(Part-27)-1977	mg/Kg	78	110	116

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Report No- GFAPL/25-26/SMR/080

Issued Date- 04.08.2025

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	21.08.2025	Date of Receiving	22.08.2025
Date of Analysis	22.08.2025	Date of Complete	27.08.2025
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.		
Sampling Method	As Per TNAU Agri Portal		

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	208.5	189.6	192.4
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	1.28	1.28
05	Calcium as Ca	IS: 2720(Part-23)	mg/kg	432	368	364
06	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	206	182	184
07	Nitrogen as N	IS:14684: 1999	kg/hect	56	98	112
08	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	22	26	28
09	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	142	116	112
10	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	128	104	98

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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	8.8	1.64	1.82
12	Iron (as Fe)	GFAPL/SOP/Soil & Rock/09-23	%	2.64	1.22	1.24

REMARKS: NR- Not Relaxable;

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