

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



Client- M/s SREE METALIKS LTD.

Address- Loidapada, Barbil,

Dist- Keonjhar, Odisha



Monitored By - Green Force Associates Pvt. Ltd.

Address- Plot No-1363-3892, Baibhab Realcon,

Fulbakhara, Cuttack, Odisha-754001

NABL Certificate No:- TC-12238

PHOTOGRAPHS OF ENVIRONMENT MONITORING





GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMR/156

Issued Date- 04.03.2025

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)
03.02.2025	GF/24-25/A788	80.5	41.3	13.2	19.8
06.02.2025	GF/24-25/A792	76.4	39.6	12.8	19.4
10.02.2025	GF/24-25/A796	79.7	40.8	13.2	20.2
13.02.2025	GF/24-25/A800	83.2	42.5	13.6	20.8
17.02.2025	GF/24-25/A804	85.6	43.8	14.2	21.4
20.02.2025	GF/24-25/A812	62.8	31.7	12.2	18.8
24.02.2025	GF/24-25/A820	64.5	32.7	12.8	19.4
27.02.2025	GF/24-25/A824	67.3	33.6	13.4	20.4
	Max	85.6	43.8	14.2	21.4
	Min	62.8	31.7	12.2	18.8
	Avg	75.0	38.2	13.2	20.0
	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

ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Miss Anu Sahoo

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END OF REPORT

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Authorized Signatory

TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA
Mr. S. K. Panda



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMR/157

Issued Date- 04.03.2025

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)
03.02.2025	GF/24-25/A789	60.4	30.0	7.2	13.4
06.02.2025	GF/24-25/A793	58.2	29.6	6.8	12.8
10.02.2025	GF/24-25/A797	60.4	30.4	6.8	13.4
13.02.2025	GF/24-25/A801	62.4	31.7	7.4	13.8
17.02.2025	GF/24-25/A805	63.6	31.7	7.4	13.8
20.02.2025	GF/24-25/A813	55.4	28.3	5.8	11.2
24.02.2025	GF/24-25/A821	56.8	28.6	6.4	11.8
27.02.2025	GF/24-25/A825	59.6	29.5	6.8	12.2
Max		63.6	31.7	7.4	13.8
Min		55.4	28.6	5.8	11.2
Avg		59.6	30.0	6.8	12.8
NAAQ* Standard		100	60	80	80
Methods of Analysis		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

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

Authorized Signatory

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

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



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMR/158

Issued Date- 04.03.2025

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)
03.02.2025	GF/24-25/A790	57.6	28.8	6.8	13.2
06.02.2025	GF/24-25/A794	59.2	29.6	6.8	13.4
10.02.2025	GF/24-25/A798	62.4	31.3	7.2	13.8
13.02.2025	GF/24-25/A802	60.4	30.4	6.8	13.8
17.02.2025	GF/24-25/A806	64.2	32.5	7.8	14.8
20.02.2025	GF/24-25/A814	54.6	27.8	5.8	11.4
24.02.2025	GF/24-25/A822	56.4	28.6	6.3	11.8
27.02.2025	GF/24-25/A826	60.5	30.5	6.8	12.4
Max		64.2	32.5	7.8	14.8
Min		54.6	27.8	6.3	11.4
Avg		59.4	29.9	6.8	13.1
NAAQ* Standard		100	60	80	80
Methods of Analysis		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

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

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Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMR/159

Issued Date- 04.03.2025

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)
03.02.2025	GF/24-25/A791	56.8	28.3	6.4	12.4
06.02.2025	GF/24-25/A795	58.5	29.2	6.8	12.8
10.02.2025	GF/24-25/A799	59.8	30.0	6.8	13.4
13.02.2025	GF/24-25/A803	60.8	30.4	6.8	13.4
17.02.2025	GF/24-25/A807	62.8	31.7	7.4	14.4
20.02.2025	GF/24-25/A815	53.5	27.2	5.4	11.0
24.02.2025	GF/24-25/A823	56.5	28.2	5.8	11.4
27.02.2025	GF/24-25/A827	58.3	29.5	6.4	11.8
Max		62.8	31.7	7.4	14.4
Min		53.5	27.2	5.4	11.0
Avg		58.4	29.3	6.5	12.6
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
GREENFORCE ASSOCIATES PRIVATE LIMITED
CHIEF ANALYST
Miss. Aru Sahoo
BHUBANESWAR, ODISHA

Authorized Signatory

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.-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/160

Issued Date- 04.03.2025

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/m ³)			
	AAQ1	AAQ2	AAQ3	AAQ4
03.02.2025	0.49	0.32	0.30	0.29
06.02.2025	0.48	0.30	0.32	0.31
10.02.2025	0.50	0.31	0.33	0.32
13.02.2025	0.52	0.32	0.33	0.32
17.02.2025	0.54	0.33	0.35	0.34
20.02.2025	0.44	0.28	0.27	0.26
24.02.2025	0.45	0.30	0.29	0.28
27.02.2025	0.48	0.31	0.32	0.30
Max	0.54	0.33	0.35	0.34
Min	0.44	0.28	0.27	0.26
Avg	0.48	0.30	0.31	0.30
NAAQ* Standard	4			
Methods of Analysis	IS: 5182 (Part- 10)			

Reviewed By

CHIEF ANALYST

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

Authorized Signatory

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.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMR/161

Issued Date- 04.03.2025

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/24-25/A804	Near Admin Office	17.02.2025	10.8	24.8
AAQ2	GF/24-25/A805	Near Dispensary	17.02.2025	8.3	20.8
AAQ3	GF/24-25/A806	Village Rugudi	17.02.2025	<8.0	<20.0
AAQ4	GF/24-25/A807	Village Lohidapada	17.02.2025	<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
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

Authorized Signatory

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

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



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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/162

Issued Date- 04.03.2025

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	17.02.2025
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	<0.06	<0.6	<0.44	<5	<1
AAQ2	Near Dispensary	<0.06	<0.6	<0.44	<5	<1
AAQ3	Village Rugudi	<0.06	<0.6	<0.44	<5	<1
AAQ4	Village Lohidapada	<0.06	<0.6	<0.44	<5	<1
NAAQ* Standard		1	20	6	5	1
Methods of Analysis		IS:5182 (Part-22)	IS:5182 (Part-26)	As per CPCB method followed by AAS	IS:5182 (Part-11)	IS:5182 (Part-12)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Report No- GFAPL/24-25/SMR/163

Issued Date- 04.03.2025

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	17.02.2025	59.5	49.1
2	Near Dispensary; Latitude: 21°59'33.80"N& Longitude: 85°19'24.18"E	17.02.2025	49.6	39.4
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	18.02.2025	49.8	40.2
4	Village Lohidapada; Latitude: 21°59'35.97"N& Longitude: 85°19'08.86"E	18.02.2025	49.7	39.6
Residential Zone permissible limits as per CPCB Norms			55 dB(A)	45 dB(A)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

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BHUBANESWAR, ODISHA



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Report No- GFAPL/24-25/SMR/164

Issued Date- 04.03.2025

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	20.02.2025	68.2	60.6
2	Near Crushing Plant; Latitude: 21°59'27.80"N & Longitude: 85°19'38.89"E	20.02.2025	68.7	62.4
3	Near Power Plant; Latitude: 21°59'27.87"N & Longitude: 85°19'30.78"E	21.02.2025	68.1	61.5
4	Near SMS - 1; Latitude: 21°59'23.62"N & Longitude: 85°19'37.62"E	21.02.2025	68.8	62.4
5	Near SMS -2; Latitude: 21°59'36.28"N & Longitude: 85°19'34.16"E	24.02.2025	68.5	61.5
6	Near Blast Furnace; Latitude: 21°59'23.15"N & Longitude: 85°19'32.77"E	24.02.2025	69.9	63.1
7	Near Rolling Mill-1; Latitude: 21°59'23.96"N & Longitude: 85°19'39.63"E	26.02.2025	69.6	65.4
8	Near Rolling Mill-2; Latitude: 21°59'39.20"N & Longitude: 85°19'36.15"E	26.02.2025	70.1	65.8
Industrial Zone permissible limits as per CPCB Norms			Day Time- 75 dB(A)	Night Time- 70 dB(A)

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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Baramunda, Bhubaneswar, Dist - Khurdha



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMR/165

Issued Date- 04.03.2025

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/24-25/A808	21°59'36.61"N	85°19'27.95"E	18.02.2025	642.5
2	Near Crushing Plant	GF/24-25/A809	21°59'27.80"N	85°19'38.89"E	18.02.2025	614.2
3	Near Power Plant	GF/24-25/A810	21°59'27.87"N	85°19'30.78"E	18.02.2025	635.6
4	Near SMS-1	GF/24-25/A811	21°59'23.62"N	85°19'37.62"E	18.02.2025	605.6
5	Near SMS-2	GF/24-25/A816	21°59'36.28"N	85°19'34.16"E	21.02.2025	425.4
6	Near Blast Furnace	GF/24-25/A817	21°59'23.15"N	85°19'32.77"E	21.02.2025	418.3
7	Near Rolling Mill-1	GF/24-25/A818	21°59'23.96"N	85°19'39.63"E	21.02.2025	461.3
8	Near Rolling Mill-2	GF/24-25/A819	21°59'39.20"N	85°19'36.15"E	21.02.2025	417.3
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
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



Report No- GFAPL/24-25/SMR/166

Issued Date- 04.03.2025

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	20.02.2025	Date of Receiving	21.02.2025
Date of Analysis	21.02.2025	Date of Complete	22.02.2025
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/2023-24/St62 ST2- GF/2023-24/St63
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	397
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	11.47	14.38
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	43171.5	54671.1
05	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985 Gravimetric Method	100	34.6	36.8
06	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	32.5	87.5
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

Chief Analyst
Miss. Arti Sahoo

Authorized Signatory

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



Report No- GFAPL/24-25/SMR/167

Issued Date- 04.03.2025

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	21.02.2025	Date of Receiving	22.02.2025
Date of Analysis	22.02.2025	Date of Complete	24.02.2025
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/2023-24/St64 ST2-GF/2023-24/St65
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	---	393	399
02	Velocity in m/sec	IS-11255 (PART-3) 1985	---	13.92	14.54
03	Flow Rate in (mg/Nm ³)	IS-11255 (PART-3) 1985	---	21705.1	86589.3
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985 Gravimetric Method	100	32.4	28.6
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985	600	79.0	24.6
06	CO in %	IS-13270:1992	1%	<0.2	<0.2
07	CO ₂ in %	IS-13270:1992	---	1.4	1.1

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GREENFORCE ASSOCIATES PRIVATE LIMITED

Bhubaneswar, Odisha

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com

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

Report No- GFAPL/24-25/SMR/168

Issued Date- 04.03.2025

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	20.02.2025	Date of Receiving	21.02.2025
Date of Analysis	21.02.2025	Date of Complete	22.02.2025
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	NOx (mg/Nm ³)	IS-11255(PART-2) 1985	300	59.6	74.2

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Chief Analyst
Miss Arati Sahoo

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Technical Manager
Mr. S.K. Parhi

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



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

Report No- GFAPL/24-25/SMR/169

Issued Date- 04.03.2025

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	21.02.2025	Date of Receiving	22.02.2025
Date of Analysis	22.02.2025	Date of Complete	24.02.2025
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	58.5	71.6

Reviewed By

Chief Analyst

Authorized Signatory

Technical Manager

GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss. Arti Sahoo
BHUBANESWAR, ODISHA

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

Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/24-25/SMR/170

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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/W143
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	<5.0
02	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	<1.0
03	pH Value @250C	APHA 24th ED 4500-H+B:2023	--	6.5-8.5	7.22
04	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	202.5
05	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	1500	122
06	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	600	20.0
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	0.35
10	Sulfate(as SO4)	APHA 24th ED 4500- SO4 D: 2023	mg/l	400	5.8



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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	<0.05
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	5.8
14	Biological Oxygen Demand	IS 3025 (PART 44) : 1993 REA-2009	mg/l	3.0	2.4
15	Chemical Oxygen Demand	APHA 24th ED 5220 C:2023	mg/l	---	24.0

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

Reviewed By

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

Authorized Signatory

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.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
Baramunda, Bhubaneswar, Dist - Khurda



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Report No- GFAPL/24-25/SMR/170

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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	1.82
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	0.1
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	0.18
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	570

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst

BHUBANESHWAR, ODISHA

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END OF REPORT

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Technical Manager

BHUBANESHWAR, ODISHA



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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

Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/24-25/SMR/171

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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/24-25/W144 GW2-GF/24-25/W145 GW2-GF/24-25/W146
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	7.09	7.14	7.1
04	Total Dissolved Solids(TDS)	APHA 24th ED: 2540-C: 2023	mg/l	500	2000	210.0	219.0	200.0
05	Chloride (as Cl)	APHA 24th Ed 4500-Cl-B:2023	mg/l	250	1000	21.0	24.0	24.0
06	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	124.0	132.0	118.0
07	Calcium	APHA 24th Ed 3500-Ca-B:2023	mg/l	75	200	31.3	32.1	29.7
08	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	11.2	12.6	10.7

REMARKS: NR- Not Relaxable;



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

Mail Id: greenforceassociates@gmail.com

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	112.0	120.0	109.0
10	Residual Free Chlorine	APHA 24th 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	0.18	0.21	0.2
14	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	3.1	3.3	3.4
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	--	--	12.8	14.8	14.6
19	Potassium as K(max)	APHA 24th ED 3500- K-B	mg/l	--	--	1.2	1.5	1.3

REMARKS: NR- Not Relaxable;

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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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/171

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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	1.58	1.64	1.78
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



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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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. Parhi

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



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Report No- GFAPL/24-25/SMR/172

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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/24-25/W147 ETP2- GF/24-25/W148
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	7.38	7.14
02	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	279.6	235.8
03	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	--	182.0	154.0
04	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	600	142	18
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)	APHA 24th ED 3500-Cr-B: 2023	mg/l	2.0	0.32	<0.05
07	Iron (as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	3	1.8	0.56
08	Sulfate(as SO4)	APHA 24th ED 4500- SO4 D: 2023	mg/l	--	20.9	5.8



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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	15	0.56	0.1
10	Phosphate (as PO ₄)	APHA 24th ED 4500-P-D: 2023	mg/l	--	1.56	<0.05
11	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	20	8.4	<1.0
12	Chemical Oxygen Demand (as COD)	APHA 24th ED 5220 C:2023	mg/l	--	300.0	14.0
13	Ammonical Nitrogen	APHA 24th ED 4500-NH ₃ -C:2023	mg/l	50	4.9	<0.7

Reviewed By

Authorized Signatory

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

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

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

Report No- GFAPL/24-25/SMR/172

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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	--	10.8	2.6
02	Total Kjeldhal Nitrogen	APHA 24th ED 4500-Norg B; NH3-B, C:2023	mg/l	--	8.4	1.4

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
CHIEF ANALYST
BHUBANESWAR, ODISHA
Mrs. Arati Sahoo

Authorized Signatory

TECHNICAL MANAGER

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

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3 of 3



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Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Report No- GFAPL/24-25/SMR/173

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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/24-25/W149 STP2- GF/24-25/W150 STP3- GF/24-25/W151
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	7.16	7.2	7.12
02	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	--	124	136	140
03	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	<50	10	20	12
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	--	12	14	14

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Miss. Anu Sahoo

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE 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 - Khurda

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Report No- GFAPL/24-25/SMR/173

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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; NH ₃ -B, C:2023	mg/l	--	2.1	1.4	0.7

Reviewed By

Authorized Signatory

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

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

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



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Report No- GFAPL/24-25/SMR/174

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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/2024-25/S-12 S2- GF/2024-25/S-13 S3- GF/2024-25/S-14
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameter	Testing Methods	Unit	S1	S2	S3
01	pH	IS: 2720(Part-26)-1987	%	6.32	6.41	6.28
02	Organic Carbon	IS: 2720(Part-22)-1972	%	0.92	1.4	1.42
03	Moisture Content	IS: 2720(Part-2)-1973	%	6.2	6.1	6.4
04	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.7	2.67	2.66
05	Sulfate	IS: 2720(Part-27)-1977	mg/Kg	88	118	124

Reviewed By

Chief Analyst

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED

Bhubaneswar, Odisha
Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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Report No- GFAPL/24-25/SMR/174

Issued Date- 04.03.2025

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	22.02.2025	Date of Receiving	23.02.2025
Date of Analysis	24.02.2025	Date of Complete	28.02.2025
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	204.1	186.2	191.4
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	412	368	372
06	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	206	182	188
07	Nitrogen as N	IS:14684: 1999	kg/hect	58	120	120
08	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	24	32	32
09	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	136	120	114
10	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	114	108	102



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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	11.2	1.86	1.8
12	Iron (as Fe)	GFAPL/SOP/Soil & Rock/09-23	%	2.56	1.14	1.12

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

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