

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



Client- M/s SREE METALIKS LTD.

Address- Mukundapur, Parang

Dist-Anugul, Odisha



Monitored By - Green Force Associates Pvt. Ltd.

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

Fulnakhara, Cuttack, Odisha- 754001

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

Report No- GFAPL/25-26/SMAG/025

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	Near Admin Office: 20°52'6.54"N Latitude & 85°01'0.63"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.06.2025	60.4	30.3	7.4	13.2
05.06.2025	62.8	31.6	7.8	13.8
09.06.2025	59.2	29.4	6.8	12.6
12.06.2025	55.2	27.2	6.2	11.8
16.06.2025	52.4	25.1	5.4	11.2
19.06.2025	51.2	24.6	5.2	10.8
23.06.2025	52.6	25.1	5.4	11.2
26.06.2025	50.4	23.7	5.2	11.0
30.06.2025	52.6	24.6	5.6	11.2
Max	62.80	31.60	7.80	13.80
Min	50.40	23.70	5.20	10.80
Avg	55.20	26.84	6.11	11.87
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

Authorized Signatory

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

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

Note:

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



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

Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMAG/026

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	Near Main Gate: 20°52'5.71"N Latitude & 85°01'2.74"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.06.2025	64.8	32.4	10.6	15.4
05.06.2025	66.7	33.6	11.2	16.6
09.06.2025	62.5	30.8	10.2	15.2
12.06.2025	59.2	29.1	9.8	14.4
16.06.2025	55.6	27.2	8.2	13.4
19.06.2025	52.8	25.5	7.4	12.8
23.06.2025	54.6	26.7	7.6	13.2
26.06.2025	53.7	26.2	7.6	13.0
30.06.2025	56.4	27.4	7.8	13.6
Max	66.70	33.60	11.20	16.60
Min	52.80	25.50	7.40	12.80
Avg	58.48	28.77	8.93	14.18
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
Bhaskar Sahoo

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

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMAG/027

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	Village Parang- 20°52'27.19"N Latitude, 85° 1'46.38"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.06.2025	58.4	28.8	6.4	12.2
05.06.2025	59.6	29.3	6.8	12.6
09.06.2025	57.2	28.5	6.2	11.6
12.06.2025	53.8	25.4	4.8	9.8
16.06.2025	50.6	24.3	<4.0	<9.0
19.06.2025	47.5	22.5	<4.0	<9.0
23.06.2025	49.2	23.1	<4.0	<9.0
26.06.2025	48.1	22.7	<4.0	<9.0
30.06.2025	49.6	23.5	<4.0	<9.0
Max	59.60	29.30	6.80	12.60
Min	47.50	22.50	<4.0	<9.0
Avg	52.67	25.34	6.05	11.55
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

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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/25-26/SMAG/028

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	Village Mukundpur- 20°51'21.15"N Latitude, 85° 2'20.40"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.06.2025	59.4	29.5	6.4	11.8
05.06.2025	60.2	29.8	6.8	12.6
09.06.2025	56.5	28.1	6.2	11.4
12.06.2025	51.8	24.8	4.8	9.6
16.06.2025	48.6	22.8	<4.0	<9.0
19.06.2025	43.5	20.1	<4.0	<9.0
23.06.2025	40.4	18.6	<4.0	<9.0
26.06.2025	41.8	18.9	<4.0	<9.0
30.06.2025	42.6	19.4	<4.0	<9.0
Max	60.20	29.80	6.80	12.60
Min	40.40	18.60	<4.0	<9.0
Avg	49.42	23.56	6.05	11.35
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

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

Report No- GFAPL/25-26/SMAG/029

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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: 20°52'6.54"N Latitude & 85°01'0.63"E Longitude AAQ2- Near Main Gate: 20°52'5.71"N Latitude & 85°01'2.74"E Longitude		
Instrument Used	CO Analyser		
Sampling Method	As Per IS: 5182		

Date of Sampling	CO (mg/m3)	
	AAQ1	AAQ2
02.06.2025	0.35	0.42
05.06.2025	0.36	0.44
09.06.2025	0.33	0.41
12.06.2025	0.32	0.39
16.06.2025	0.31	0.36
19.06.2025	0.3	0.34
23.06.2025	0.31	0.35
26.06.2025	0.29	0.34
30.06.2025	0.30	0.35
Max	0.36	0.44
Min	0.29	0.34
Avg	0.32	0.38
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Reviewed By

CHIEF ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha



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Report No- GFAPL/25-26/SMAG/030

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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- Parang- 20°52'27.19"N Latitude, 85° 1'46.38"E Longitude AAQ4- Mukundpur- 20°51'21.15"N Latitude, 85° 2'20.40"E Longitude		
Instrument Used	CO Analyser		
Sampling Method	As Per IS: 5182		

Date of Sampling	CO (mg/m3)	
	AAQ3	AAQ4
02.06.2025	0.35	0.33
05.06.2025	0.36	0.35
09.06.2025	0.33	0.33
12.06.2025	0.29	0.28
16.06.2025	0.27	0.26
19.06.2025	0.24	0.22
23.06.2025	0.22	0.20
26.06.2025	0.21	0.19
30.06.2025	0.21	0.19
Max	0.36	0.35
Min	0.21	0.19
Avg	0.28	0.26
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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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

Report No- GFAPL/25-26/SMAG/031

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler, Gaseous Attachment		
Sampling Method	As Per IS: 5182		

Location Code	Sampling Location	Date of Sampling	O ₃ ($\mu\text{g}/\text{m}^3$)	NH ₃ ($\mu\text{g}/\text{m}^3$)
AAQ-1	Near Admin Office	19.06.2025	<8.0	<20.0
AAQ-2	Near Main Gate	19.06.2025	<8.0	<20.0
AAQ-3	Parang	19.06.2025	<8.0	<20.0
AAQ-4	Mukundpur	19.06.2025	<8.0	<20.0
NAAQ* Standard			100	400
Methods of Analysis			IS:5182 (Part-9)	IS:5182 (Part-25)

Reviewed By

ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized Signatory

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,
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Report No- GFAPL/25-26/SMAG/032

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler		
Sampling Method	As Per IS: 5182		

Name of Location	Location	Date of Sampling	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)
AAQ-1	Near Admin Office	19.06.2025	<0.1	<6.0	<0.5	<5	<1
AAQ-2	Near Main Gate	19.06.2025	<0.1	<6.0	<0.5	<5	<1
AAQ-3	Parang	19.06.2025	<0.1	<6.0	<0.5	<5	<1
AAQ-4	Mukundpur	19.06.2025	<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

Authorized Signatory

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
M. S. R. Parhi

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
M. S. R. 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/25-26/SMAG/033

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	Date of Sampling	20.06.2025
Instrument Used	Sound Level Meter		
Sampling Method	As Per IS:9989		

S.No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near Admin Office; Latitude: 20°52'6.54"N & Longitude 85°01'0.63"E	60.5	48.2
2	Near Main Gate; Latitude 20°52'5.71"N & Longitude: 85°01'2.74"E	68.8	60.4
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
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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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMAG/034

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	Date of Sampling	20.06.2025
Instrument Used	Sound Level Meter		
Sampling Method	As Per IS:9989		

S.No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near DRI; Latitude: 20°52'6.74"N & Longitude: 85°0'51.38"E	68.5	61.8
2	Near W.Bridge; Latitude: 20°52'7.13"N & Longitude: 85°1'0.55"E	67.4	60.4
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75 dB(A)	Night Time –70 dB(A)

Reviewed By

Authorized Signatory

ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMAG/035

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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 (RDS)		
Sampling Method	As Per IS: 5182		

Sl. No.	Name of Location	Coordinates of Location	Date of Sampling	Result
1	Near DRI	Lat: 20°52'6.74"N Long: 85°0'51.38"E	20.06.2025	386.2
2	Near W. Bridge	Lat: 20°52'7.13"N Long: 85°1'0.55"E	20.06.2025	358.2
Fugitive Standard				1200
Methods of Analysis			IS:5182 (Part-4)	

Reviewed By

Authorized Signatory

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

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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-1-



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/25-26/SMAG/036

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	20.06.2025
Sampling Location & Coordinates	Stack Attached to DRI; Lat:20°52'2.92"N & Long: 85°0'47.85"E		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		
Sampling Method	As Per IS: 11255		

Sl. No	Parameters	Testing Method	As per CPCB Standard	Result
01	Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	398.0
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	15.08
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	22.8
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	65.6
06	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2
07	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.4

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Arati Sahoo

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Authorized Signatory
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Parni



GREEN FORCE ASSOCIATES PRIVATE LIMITED



Plot No.-1666, Phase-II, Delta Colony, Nilakantheswar Marg,
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Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	20.06.2025
Sampling Location & Coordinates	Stack Attached to DRI; Lat:20°52'2.92"N & Long: 85°0'47.85"E		
Instrument Used	Stack monitoring Kit; Vacuum Pump; Pyrometer		
Sampling Method	As Per IS: 11255		

Sl. No	Parameters	Testing Method	As per CPCB Standard	Result
01	P bar in mmHg	-	---	738
02	NOx (mg/Nm ³)	IS-11255(PART-2) 1985	300	60.9

Reviewed By

[Signature]
CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Note:

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 - Khurda

Mail Id: greenforceassociates@gmail.com

Report No-GFAPL/25-26/SMAG/037

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, Odisha.		
Nature of Sampling	Surface Water		
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	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	23.06.2025
Sampling Location & Coordinates	SW: Nala Near Plant ; Latitude: 20°52'4.23"N & Longitude: 85°1'5.93"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	300	40
2.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	6.8
3.	pH	APHA 24th ED 4500- H+B:2023	---	6.5-8.5	7.26
4.	Conductivity	APHA 24th ED 2510-B: 2023	μS/cm	--	190.4
5.	Total Dissolved Solid	APHA 24th ED 2540-C: 2023	mg/l	1500	122
6.	Chloride(as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	600	20
7.	Cyanide (as CN)	APHA 24th ED 4500-CN-F	mg/l	0.05	<0.02
8.	Hexavalent Chromium(asCr+6)	APHA 24 th ED 3500-Cr-B: 2023	mg/l	0.05	<0.05
9.	Iron(as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	50	0.35
10.	Sulfate(asSO ₄)	APHA 24th ED 4500-SO ₄ D: 2023	mg/l	400	5.8
11.	Fluoride(as F)	APHA 24th ED 4500-F-C: 2023	mg/l	1.5	<0.05

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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
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	6.4
14	BOD (3)days at 27°C	IS 3025 (PART 44): 1993 REA-2009	mg/l	3.0	<2.0
15	Chemical Oxygen Demand as COD	APHA 24th ED 5220 C:2023	mg/l	--	10

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

Reviewed By

Authorized Signatory

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

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

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Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, Odisha.		
Nature of Sampling	Surface Water		
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	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	23.06.2025
Sampling Location & Coordinates	SW: Nala Near Plant ; Latitude: 20°52'4.23"N & Longitude: 85°1'5.93"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW
1.	Nitrate (as NO ₃)	APHA 24th ED 4500-NO ₃ -B: 2023	mg/l	50	1.56
2.	Phenolic Compounds as C ₆ H ₅ OH	APHA 24th ED 5530 B,D:2023	mg/l	--	<0.001
3.	Copper (as Cu)	IS: 3025(Part 42)	mg/l	1.5	0.05
4.	Lead (as Pb)	APHA 3111 B,C	mg/l	0.1	<0.01
5.	Zinc (as Zn)	APHA 3111 B,C	mg/l	15	0.08
6.	Arsenic as As	IS: 3025 (Part 37)	mg/l	0.2	<0.001
7.	Selenium (as Se)	APHA 3114 B	mg/l	0.05	<0.001
8.	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.01	<0.001
9.	Total Coliform	APHA 24th ED 9222-H: 2023	MPN/100ml	5000	900

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CHIEF ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Authorized Signatory

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

Report No- GFAPL/25-26/SMAG/038

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, Odisha.		
Nature of Sampling	Ground Water		
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	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	23.06.2025
Sampling Location & Coordinates	GW - Near Hanuman Temple; Latitude: 20°52'7.20"N & Longitude: 85°1'1.24"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW
				AL	PL	
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	5	15	<5.0
2.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	1	5	<1
3.	pH Value @250C	APHA 24th ED 4500- H+B:2023	--	6.5-8.5	NR	7.04
4.	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	500	2000	265.0
5.	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	250	1000	35.0
6.	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	158.0
7.	Calcium	APHA 24th Ed 3500- Ca-B:2023	mg/l	75	200	41.7
8.	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	13.1

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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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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW
				AL	PL	
9.	Total Alkalinity	APHA 24th ED 2320-B: 2023	mg/l	200	600	141.0
10.	Residual Free Chlorine	APHA 24 th ED 4500 CL-B:2023	mg/l	0.2	1.0	<0.2
11.	Cyanide	APHA 24th ED 4500 CN-F:2023	mg/l	0.05	NR	<0.02
12.	Total Chromium	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	NR	<0.05
13.	Iron	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.3	NR	0.25
14.	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	7.40
15.	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	<0.05
16.	Boron	APHA 24th ED 4500 B-B:2023	mg/l	0.5	1.0	<0.01
17.	Manganese	IS 3025 PART-59 :2006 RA 2012	mg/l	0.1	0.3	<0.05
18.	Sodium as Na	APHA 24th ED 3500- Na-B	mg/l	--	--	21.5
19.	Potassium as K	APHA 24th ED 3500- K-B	mg/l	--	--	2.1

REMARKS: NR- not relaxable; AL-Acceptable Limit; PL- Permissible Limit;

Reviewed By

Authorized Signatory

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

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Report No- GFAPL/25-26/SMAG/038

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, Odisha.		
Nature of Sampling	Ground Water		
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	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	23.06.2025
Sampling Location & Coordinates	GW - Near Hanuman Temple; Latitude: 20°52'7.20"N & Longitude: 85°1'1.24"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW
				AL	PL	
1.	Odour	APHA 24th ED: 2150-B - 2023	---	Agreeable	Agreeable	U/O
2.	Taste	APHA 24th ED: 2160-B 24th ED	---	Agreeable	Agreeable	AL
3.	Nitrate	APHA 24th ED 4500-NO3-E: 2023	mg/l	45	NR	2.18
4.	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.003	NR	<0.001
5.	Copper (as Cu)	IS: 3025(Part 42)	mg/l	0.05	1.5	<0.03
6.	Zinc (as Zn)	APHA 24th ED 3500 Zn: 2023	mg/l	5	15	<0.03
7.	Lead (as Pb)	APHA 24th ED 3500 Pb: 2023	mg/l	0.01	NR	<0.01
8.	Selenium (as Se)	APHA 24th ED 3500 B: 2023	mg/l	0.01	NR	<0.001
9.	Mercury (as Hg)	APHA 24th ED 3500Hg: 2023	mg/l	0.001	NR	<0.001



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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW
				AL	PL	
10.	Arsenic (as As)	APHA24th ED 3500As: 2023	mg/l	0.01	0.05	<0.001
11.	Aluminum (as Al)	APHA24th ED 3500Al: 2023	mg/l	0.03	0.2	<0.01
12.	Mineral Oil	APHA 24th ED5220B: 2023	mg/l	0.5	NR	ND
13.	Anionic Detergents (as MBAS)	APHA24th ED 5540 C: 2023	mg/l	0.2	1.0	ND
14.	Phenolic Compound (as C ₆ H ₅ OH)	APHA 24th ED 5530 B,D: 2023	mg/l	--	--	<0.001
15.	Total Coliforms	APHA 24th ED 9222-H: 2023	100/MPN	--	--	<1.8

REMARKS: NR- not relaxable; AL-Acceptable Limit; PL- Permissible Limit;

Reviewed By

Authorized Signatory

ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

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Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/25-26/SMAG/039

Issued Date-04.07.2025

TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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 and Rock
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	23.06.2025
Sampling Location & Coordinates	S - Inside Plant; Latitude: 21°59'26.41"N & Longitude: 85°19'39.29"E		
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results
				S
1	pH	--	---	6.14
2	Organic Carbon	IS: 2720(Part-26)-1987	%	0.98
3	Moisture content	IS: 2720(Part-22)-1972	%	7.2
4	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.7
5	Sulfate	IS: 2720(Part-27)-1977	mg/Kg	82

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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TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Mukundapur, Parang, Dist-Anugul, 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 and Rock
Date of Sampling	17.06.2025	Date of Receiving	18.06.2025
Date of Analysis	19.06.2025	Date of Complete	23.06.2025
Sampling Location & Coordinates	S - Inside Plant; Latitude: 21°59'26.41"N & Longitude: 85°19'39.29"E		
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results
				S
1.	Colour	GFAPL/SOP/Soil & Rock/01-23	---	Brown
2.	Electrical conductivity	IS:14767: 2000	µs/cm	193.4
3.	Soil Texture	GFAPL/SOP/Soil & Rock/02-23	---	Sandy loamy
4.	Bulk Density	GFAPL/SOP/Soil & Rock/03-23	gm/cc	1.35
5.	Calcium as Ca	IS: 2720(Part-23)	mg/kg	432
6.	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	216
7.	Nitrogen as N	IS:14684: 1999	kg/hect	56
8.	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	27
9.	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	118
10.	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	136
11.	Manganese as Mn	GFAPL/SOP/Soil & Rock/08-23	mg/kg	4.92
12.	Iron	GFAPL/SOP/Soil & Rock/09-23	%	0.98

Reviewed By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Note:

Authorized Signatory

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
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