

**ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
JUNE -2024**



Client- M/s SREE METALIKS LTD.

Address- Mukundapur, Parang

Dist-Anugul, Odisha



Monitored By - Green Force Associates Pvt. Ltd.

Address- Plot No-1666, Phase-II, Delta Colony,

Nilakantheswar Marg, Baramunda,

Bhubaneswar-751003

NABL Certificate No:- TC-12258



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com



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

Issued Date-04.07.2024

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		

Date of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
03.06.2024	76.4	38.8	15.8	22.8
06.06.2024	78.3	39.7	16.4	23.4
10.06.2024	80.6	41.9	17.2	24.6
13.06.2024	77.2	38.8	16.8	24.2
17.06.2024	80.6	41.2	17.6	25.2
20.06.2024	75.6	37.8	16.2	22.6
24.06.2024	77.2	39.4	17.2	23.8
27.06.2024	56.4	28.2	10.8	14.2
Max	80.6	41.9	17.6	25.2
Min	56.4	28.2	10.8	14.2
Avg	75.2	38.2	16.0	22.6
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Chief Analyst

Miss. Arti Sahoo

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Technical Manager

Dr. S.K. Panda

Note:

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



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Baramunda, Bhubaneswar, Dist - Khurda



Mail Id: greenforceassociates@gmail.com



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

Issued Date-04.07.2024

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		

Date of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)
03.06.2024	79.6	40.8	17.2	24.8
06.06.2024	81.4	42.5	17.8	25.4
10.06.2024	83.6	43.7	18.8	26.7
13.06.2024	80.8	42.1	18.4	26.2
17.06.2024	84.3	43.9	18.8	26.9
20.06.2024	78.8	39.6	17.2	24.8
24.06.2024	81.6	42.4	18.2	25.6
27.06.2024	59.6	29.7	11.6	14.8
Max	84.3	43.9	18.8	26.9
Min	59.6	29.7	11.6	14.8
Avg	78.7	40.5	17.2	24.4
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Verified By

ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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Baramunda, Bhubaneswar, Dist - Khurdha



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMAG/023

Issued Date-04.07.2024

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	Parang- 20°52'27.19"N Latitude, 85° 1'46.38"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler		

Date of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
03.06.2024	58.6	29.8	7.6	13.2
06.06.2024	60.4	30.7	8.2	13.8
10.06.2024	61.8	31.5	8.8	14.4
13.06.2024	63.7	32.3	9.4	15.2
17.06.2024	65.6	33.1	10.2	15.8
20.06.2024	63.5	32.1	9.6	14.8
23.06.2024	65.2	32.9	10.2	15.2
27.06.2024	48.4	23.8	<4.0	<9.0
Max	65.6	33.1	10.2	15.8
Min	48.4	23.8	<4.0	<9.0
Avg	60.9	30.7	9.1	14.6
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Verified By

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

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
TECHNICAL MANAGER
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/SMAG/024

Issued Date-04.07.2024

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	Mukundpur- 20°51'21.15"N Latitude, 85° 2'20.40"E Longitude		
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler		

Date of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
03.06.2024	56.2	28.9	7.2	12.8
06.06.2024	58.6	29.7	7.6	12.6
10.06.2024	59.5	30.2	7.9	13.3
13.06.2024	60.8	30.6	8.5	14.2
17.06.2024	62.4	31.4	9.6	14.7
20.06.2024	60.2	30.4	8.8	13.8
23.06.2024	61.8	30.8	9.2	14.4
27.06.2024	47.2	23.4	<4.0	<9.0
Max	62.4	31.4	9.6	14.7
Min	47.2	23.4	<4.0	<9.0
Avg	58.3	29.4	8.4	13.6
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Verified By

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

Authorized By

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

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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/SMAG/025

Issued Date-04.07.2024

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		

Date of Sampling	CO (mg/m ³)	
	AAQ1	AAQ2
03.06.2024	0.59	0.62
06.06.2024	0.60	0.65
10.06.2024	0.63	0.66
13.06.2024	0.62	0.65
17.06.2024	0.64	0.67
20.06.2024	0.59	0.62
24.06.2024	0.60	0.64
27.06.2024	0.41	0.43
Max	0.64	0.67
Min	0.41	0.43
Avg	0.58	0.61
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst
Bhubaneswar, Odisha

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Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com

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

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

Issued Date-04.07.2024

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		

Date of Sampling	CO (mg/m3)	
	AAQ3	AAQ4
03.06.2024	0.41	0.39
06.06.2024	0.42	0.40
10.06.2024	0.45	0.42
13.06.2024	0.46	0.43
17.06.2024	0.48	0.45
20.06.2024	0.46	0.43
23.06.2024	0.47	0.44
27.06.2024	0.26	0.25
Max	0.48	0.45
Min	0.26	0.25
Avg	0.42	0.40
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Verified By

CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Chief Analyst
BHUBANESWAR, ODISHA

Miss. Arti Sahoo

Authorized By

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

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GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



Mail Id: greenforceassociates@gmail.com



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

Issued Date-04.07.2024

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		

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	17.06.2024	14.2	31.6
AAQ-2	Near Main Gate	17.06.2024	16.2	35.8
AAQ-3	Parang	17.06.2024	<8.0	<20.0
AAQ-4	Mukundpur	17.06.2024	<8.0	<20.0
NAAQ* Standard			100	400
Methods of Analysis			IS:5182 (Part-9)	IS:5182 (Part-25)

Verified By

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

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
Bhu Sahoo
Bhubaneswar, ODISHA

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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/24-25/SMAG/028

Issued Date-04.07.2024

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		

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	17.06.2024	<0.06	<0.6	<0.44	<5	<1
AAQ-2	Near Main Gate	17.06.2024	<0.06	<0.6	<0.44	<5	<1
AAQ-3	Parang	17.06.2024	<0.06	<0.6	<0.44	<5	<1
AAQ-4	Mukundpur	17.06.2024	<0.06	<0.6	<0.44	<5	<1
NAAQ* Standard			1	20	6	5	1
Methods of Analysis			IS:5182 (Part-22)	IS:5182 (Part-26)	As per CPCB method followed by AAS	IS:5182 (Part-11)	IS:5182 (Part-12)

Verified By

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

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
Miss. K. Parhi
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/24-25/SMAG/029

Issued Date-04.07.2024

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	20.06.2024
Instrument Used	Sound Level Meter		

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	65.8	53.5
2	Near Main Gate; Latitude 20°52'5.71"N &Longitude: 85°01'2.74"E	68.7	58.8
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75 dB(A)	Night Time – 70 dB(A)

Verified By

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

Authorized By

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

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✉ Mail Id: greenforceassociates@gmail.com



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

Issued Date-04.07.2024

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	20.06.2024
Instrument Used	Sound Level Meter		

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	69.8	64.1
2	Near W.Bridge; Latitude: 20°52'7.13"N & Longitude: 85°1'0.55"E	68.5	62.1
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75 dB(A)	Night Time –70 dB(A)

Verified By

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

Authorized By

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

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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/SMAG/031

Issued Date-04.07.2024

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)		

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	23.06.2024	842.5
2	Near W. Bridge	Lat: 20°52'7.13"N Long: 85°1'0.55"E	23.06.2024	806.8
Fugitive Standard				1200
Methods of Analysis			IS:5182 (Part-4)	

Verified By

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

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, Bhubaneswar, ODISHA
Technical Manager
Miss. 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/SMAG/032

Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024
Date of Analysis	21.06.2024	Date of Complete	22.06.2024
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		

Sl. No	Parameters	Testing Method	As per CPCB Standard	Result
01	Temperature in K	IS-11255 (PART-3) 1985, (RA-2013)	---	396
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	15.37
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	28.4
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	60.4
06	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2
07	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.6

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CHIEF ANALYST
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

TECHNICAL MANAGER
GREEN FORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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

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

Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024
Date of Analysis	21.06.2024	Date of Complete	22.06.2024
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		

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	54.8

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

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

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Report No-GFAPL/24-25/SMAG/033

Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024		
Date of Analysis	21.06.2024	Date of Complete	26.06.2024		
Sampling Location & Coordinates	SW: Nala Near Plant ; Latitude: 20°52'4.23"N & Longitude: 85°1'5.93"E				
Sl.No.	Parameter	Testing Methods	Unit	Standard asper IS-2296 Class-C	SW
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	300	<5.0
2.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	<1.0
3.	pH	APHA 24th ED 4500- H+B:2023	---	6.5-8.5	7.48
4.	Conductivity	APHA 24th ED 2510-B: 2023	μS/cm	--	213.2
5.	Total Dissolved Solid	APHA 24th ED 2540-C: 2023	mg/l	1500	131
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	0.4
10.	Sulfate(asSO4)	APHA 24th ED 4500-SO4 D: 2023	mg/l	400	8.8
11.	Fluoride(as F)	APHA 24th ED 4500-F-C: 2023	mg/l	1.5	0.12

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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	<1.0
13	Dissolved oxygen	APHA 24th ED 4500 O-C:2023	mg/l	4	6.1
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	---	12

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

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

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Report No-GFAPL/24-25/SMAG/033

Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024
Date of Analysis	21.06.2024	Date of Complete	26.06.2024
Sampling Location & Coordinates	SW: Nala Near Plant ; Latitude: 20°52'4.23"N & Longitude: 85°1'5.93"E		

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	1.76
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	0.08
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	0.12
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	570

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Chief Analyst

Miss. Arti Sahoo

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Technical Manager

Mr. S.K. Parhi



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Report No- GFAPL/24-25/SMAG/034

Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024
Date of Analysis	21.06.2024	Date of Complete	26.06.2024
Sampling Location & Coordinates	GW - Near Hanuman Temple; Latitude: 20°52'7.20"N & Longitude: 85°1'1.24"E		

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	7.25
4.	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	500	2000	267.0
5.	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	250	1000	33.0
6.	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	162.0
7.	Calcium	APHA 24th Ed 3500- Ca-B:2023	mg/l	75	200	40.9
8.	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	14.6



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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	149.0
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	0.23
14.	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	7.42
15.	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	0.14
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	--	--	20.8
19.	Potassium as K	APHA 24th ED 3500- K-B	mg/l	--	--	1.8

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

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CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Chief Analyst
Miss. Arti Sahoo

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Bhubaneswar, ODISHA

Technical Manager
Mr. S.K. Parhi

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Report No- GFAPL/24-25/SMAG/034

Issued Date-04.07.2024

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		20.06.2024	Date of Receiving	21.06.2024		
Date of Analysis		21.06.2024	Date of Complete	26.06.2024		
Sampling Location & Coordinates		GW - Near Hanuman Temple; Latitude: 20°52'7.20"N & Longitude: 85°1'1.24"E				
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	2.24
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	0.14
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 ED3500Hg: 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;

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

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GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. S.K. Patra

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Baramunda, Bhubaneswar, Dist - Khurda

Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/24-25/SMAG/035

Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024
Date of Analysis	21.06.2024	Date of Complete	26.06.2024
Sampling Location & Coordinates	S - Inside Plant; Latitude: 21°59'26.41"N & Longitude: 85°19'39.29"E		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results
				S
1	pH	--	---	6.38
2	Organic Carbon	IS: 2720(Part-26)-1987	%	0.95
3	Moisture content	IS: 2720(Part-22)-1972	%	8.6
4	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.68
5	Sulfate	IS: 2720(Part-27)-1977	mg/Kg	94

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

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

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Issued Date-04.07.2024

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	20.06.2024	Date of Receiving	21.06.2024
Date of Analysis	21.06.2024	Date of Complete	26.06.2024
Sampling Location & Coordinates	S - Inside Plant; Latitude: 21°59'26.41"N & Longitude: 85°19'39.29"E		

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	190
3.	Soil Texture	GFAPL/SOP/Soil & Rock/02-23	---	Sandy loamy
4.	Bulk Density	GFAPL/SOP/Soil & Rock/03-23	gm/cc	1.32
5.	Calcium as Ca	IS: 2720(Part-23)	mg/kg	402
6.	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	202
7.	Nitrogen as N	IS:14684: 1999	kg/hect	48
8.	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	28
9.	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	116
10.	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	132
11.	Manganese as Mn	GFAPL/SOP/Soil & Rock/08-23	mg/kg	7.12
12.	Iron	GFAPL/SOP/Soil & Rock/09-23	%	1.36

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

Note:

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TECHNICAL MANAGER
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Mr. S. K. Sahoo

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