

ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
NOVEMBER -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 - Khurdha



Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMAG/089

Issued Date-04.12.2024

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, 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)
04.11.2024	56.2	26.7	7.2	11.8
07.11.2024	59.4	28.9	7.6	12.2
11.11.2024	60.6	29.4	7.9	12.6
14.11.2024	62.4	30.8	8.4	13.4
18.11.2024	63.5	31.6	8.6	13.8
21.11.2024	61.8	31.2	8.8	14.2
25.11.2024	64.2	31.8	9.2	14.8
28.11.2024	62.9	31.4	9.6	15.6
Max	64.20	31.80	9.60	15.60
Min	56.20	26.70	7.20	11.80
Avg	61.38	30.23	8.41	13.55
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
Miss. Arti Satish
BHUBANESWAR, ODISHA

Authorized Signatory

TECHNICAL MANAGER

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

Note:

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Report No- GFAPL/24-25/SMAG/090

Issued Date-04.12.2024

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, 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)
04.11.2024	59.4	28.9	7.8	12.8
07.11.2024	62.8	30.5	8.2	13.6
11.11.2024	65.4	31.9	8.8	14.4
14.11.2024	66.8	32.7	9.2	14.8
18.11.2024	69.4	34.2	9.6	15.4
21.11.2024	72.4	35.8	10.2	16.2
25.11.2024	70.8	35.4	9.8	15.8
28.11.2024	73.7	36.2	10.6	16.8
Max	73.70	36.20	10.60	16.80
Min	59.40	28.90	7.80	12.80
Avg	67.59	33.20	9.28	14.98
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
CHIEF ANALYST
BHUBANESWAR, ODISHA

Miss. Arti Sahoo

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
TECHNICAL MANAGER
BHUBANESWAR, ODISHA

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✉ Mail Id: greenforceassociates@gmail.com



Report No- GFAPL/24-25/SMAG/091

Issued Date-04.12.2024

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	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)
04.11.2024	46.8	22.6	<4.0	<9.0
07.11.2024	47.2	23.2	<4.0	<9.0
11.11.2024	46.8	22.8	<4.0	<9.0
14.11.2024	48.4	23.6	4.4	9.5
18.11.2024	50.2	24.8	4.8	9.8
21.11.2024	49.4	24.6	4.6	9.6
25.11.2024	51.6	25.4	5.2	10.2
28.11.2024	50.8	25.2	4.8	9.8
Max	51.60	25.40	5.20	10.20
Min	46.80	22.60	<4.0	<9.0
Avg	48.90	24.03	4.76	9.78
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
Technical Manager
Mr. S.K. Parhi

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Issued Date-04.12.2024

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	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)
04.11.2024	48.5	23.2	<4.0	<9.0
07.11.2024	50.6	24.7	<4.0	<9.0
11.11.2024	51.7	25.3	4.5	9.5
14.11.2024	53.5	25.8	4.8	9.8
18.11.2024	50.8	25.2	4.8	9.8
21.11.2024	52.6	26.1	5.2	10.4
25.11.2024	51.9	25.5	5.6	10.6
28.11.2024	53.6	26.4	5.8	10.8
Max	53.60	26.40	5.80	10.80
Min	48.50	23.20	<4.0	<9.0
Avg	51.65	25.28	5.12	10.15
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst

BHUBANESWAR, ODISHA

Miss Arun Sahoo

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Technical Manager

Mr. S.K. Parhi

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

Report No- GFAPL/24-25/SMAG/093

Issued Date-04.12.2024

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		
Sampling Method	As Per IS: 5182		

Date of Sampling	CO (mg/m3)	
	AAQ1	AAQ2
04.11.2024	0.31	0.33
07.11.2024	0.33	0.35
11.11.2024	0.34	0.36
14.11.2024	0.35	0.37
18.11.2024	0.36	0.4
21.11.2024	0.38	0.42
25.11.2024	0.4	0.41
28.11.2024	0.41	0.44
04.11.2024	0.41	0.44
Min	0.31	0.33
Avg	0.36	0.39
NAAQ* Standard	4	
Methods of Analysis	IS: 5182 (Part- 10)	

Reviewed By

CHIEF ANALYST

Chief Analyst

GREENFORCE ASSOCIATES PRIVATE LIMITED

Miss. Arti Sahoo

BHUBANESWAR, ODISHA

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Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Technical Manager

BHUBANESWAR, ODISHA



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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Report No- GFAPL/24-25/SMAG/094

Issued Date-04.12.2024

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		
Sampling Method	As Per IS: 5182		
Date of Sampling	CO (mg/m ³)		
	AAQ3	AAQ4	
04.11.2024	0.2	0.19	
07.11.2024	0.19	0.2	
11.11.2024	0.21	0.22	
14.11.2024	0.22	0.22	
18.11.2024	0.24	0.23	
21.11.2024	0.24	0.25	
25.11.2024	0.26	0.26	
28.11.2024	0.25	0.27	
Max	0.26	0.27	
Min	0.19	0.19	
Avg	0.23	0.23	
NAAQ* Standard	4		
Methods of Analysis	IS: 5182 (Part- 10)		

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Miss Arti Sahoo
BHUBANESWAR, ODISHA

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Authorized Signatory

TECHNICAL MANAGER

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



GREEN FORCE ASSOCIATES PRIVATE LIMITED



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



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Report No- GFAPL/24-25/SMAG/095

Issued Date-04.12.2024

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, 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	21.11.2024	<8.0	<20.0
AAQ-2	Near Main Gate	21.11.2024	<8.0	<20.0
AAQ-3	Parang	21.11.2024	<8.0	<20.0
AAQ-4	Mukundpur	21.11.2024	<8.0	<20.0
NAAQ* Standard			100	400
Methods of Analysis			IS:5182 (Part-9)	IS:5182 (Part-25)

Reviewed By

CHIEF ANALYST

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

Authorized Signatory

TECHNICAL MANAGER

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

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Report No- GFAPL/24-25/SMAG/096

Issued Date-04.12.2024

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		
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	21.11.2024	<0.06	<0.6	<0.44	<5	<1
AAQ-2	Near Main Gate	21.11.2024	<0.06	<0.6	<0.44	<5	<1
AAQ-3	Parang	21.11.2024	<0.06	<0.6	<0.44	<5	<1
AAQ-4	Mukundpur	21.11.2024	<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)

Reviewed By

ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, ODISHA

Note:

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
BARAMUNDA, ODISHA

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Report No- GFAPL/24-25/SMAG/097

Issued Date-04.12.2024

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	22.11.2024
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	62.6	51.1
2	Near Main Gate; Latitude 20°52'5.71"N & Longitude: 85°01'2.74"E	68.1	57.2
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
BARAMUNDA, 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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Issued Date-04.12.2024

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	22.11.2024
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	68.8	62.2
2	Near W.Bridge; Latitude: 20°52'7.13"N & Longitude: 85°1'0.55"E	67.1	60.6
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75 dB(A)	Night Time –70 dB(A)

Reviewed By

Authorized Signatory

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

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

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Issued Date-04.12.2024

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)		
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	22.11.2024	564.2
2	Near W. Bridge	Lat: 20°52'7.13"N Long: 85°1'0.55"E	22.11.2024	524.3
Fugitive Standard				1200
Methods of Analysis			IS:5182 (Part-4)	

Reviewed By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Miss. Arti Sahoo

Authorized Signatory

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Note:

- The results listed refer only to tested samples and applicable parameters Endorsement of products is neither inferred nor implied.
- Total liability of our lab is limited to the invoiced amount.
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- Report refers to the sample submitted to us and not drawn by unless mentioned otherwise.

END OF REPORT

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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/100

Issued Date-04.12.2024

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	21.11.2024	Date of Receiving	22.11.2024
Date of Analysis	22.11.2024	Date of Complete	23.11.2024
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		
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)	---	395
02	Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	15.52
04	PM (mg/Nm ³)	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	29.6
05	SO ₂ (mg/Nm ³)	IS-11255(PART-2) 1985, (RA-2019)	600	62.2
06	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2
07	CO ₂ in %	IS-13270:1992, (RA-2019)	---	1.6

Reviewed By

CHIEF ANALYST
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BHUBANESWAR, ODISHA
Miss. Arti Sahoo

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

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END OF REPORT

--1 of 2--



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/101

Issued Date-04.12.2024

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	21.11.2024	Date of Receiving	22.11.2024
Date of Analysis	22.11.2024	Date of Complete	23.11.2024
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		
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	59.4

Reviewed By
CHIEF ANALYST
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Miss. Aru Sahoo

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

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--2 of 2