

ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
JUNE - 2024



Client- M/s SREE METALIKS LTD.

Address- Khandbandh, Joda,

Dist- Keonjhar, 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

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/SMK/040

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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 mines office Lat- 21°57'47.34"N; & Long- 85°22'30.79"E		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	66.7	34.2	11.2	16.8
06.06.2024	65.4	33.6	11.6	17.2
10.06.2024	67.8	34.7	12.6	18.2
13.06.2024	70.4	36.1	12.4	19.2
17.06.2024	72.6	37.1	13.8	21.8
20.06.2024	67.8	34.4	12.2	18.8
24.06.2024	70.4	35.8	12.8	19.6
27.06.2024	54.2	26.4	6.2	10.2
Max	72.6	37.1	13.8	21.8
Min	54.2	26.4	6.2	10.2
Avg	66.9	34.0	11.6	17.7
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

Note:

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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END OF REPORT

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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/SMK/041

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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 Pillar No. F-1 Lat- 21°57'33.77"N; & Long- 85°22'27.28"E;		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	69.6	35.3	12.2	16.8
06.06.2024	67.4	34.8	12.8	18.6
10.06.2024	70.4	36.4	13.2	19.5
13.06.2024	72.4	36.9	13.8	20.5
17.06.2024	75.6	38.5	14.6	22.5
20.06.2024	71.5	36.2	13.2	20.2
24.06.2024	73.5	37.1	13.8	20.8
27.06.2024	55.8	26.8	6.6	10.4
Max	75.6	38.5	14.6	22.5
Min	55.8	26.8	6.6	10.4
Avg	69.5	35.2	12.5	18.6
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

Miss. A. B. Sahoo

Note:

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

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/SMK/042

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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 - Near Workshop-Pillar No. 8 Lat- 21°57'38.03"N; Long- 85°22'43.58"E;		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	69.8	35.6	12.9	18.2
06.06.2024	68.4	35.1	13.2	19.2
10.06.2024	71.5	36.8	13.6	19.9
13.06.2024	72.8	37.1	14.2	20.8
17.06.2024	77.4	39.1	15.2	22.8
20.06.2024	72.1	36.6	13.7	20.8
24.06.2024	75.2	38.3	14.4	21.4
27.06.2024	56.8	27.6	7.2	10.8
Max	77.4	39.1	15.2	22.8
Min	56.8	27.6	7.2	10.8
Avg	70.5	35.7	13.0	19.2
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

Miss. Arti Sahoo

Note:

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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 - Khurdha
Mail Id: greenforceassociates@gmail.com

Report No- GFAPL/24-25/SMK/043

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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 - Near Pillar No.C2 Lat- 21°57'47.69"N; & Long- 85°22'34.50"E;		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	72.4	37.2	13.2	18.8
06.06.2024	70.8	36.4	13.6	19.6
10.06.2024	73.6	37.9	14.2	20.5
13.06.2024	75.2	38.8	14.8	21.4
17.06.2024	78.5	40.2	15.8	23.2
20.06.2024	73.8	37.3	14.2	21.4
24.06.2024	78.2	39.6	15.2	22.2
27.06.2024	68.2	28.8	7.8	11.6
Max	78.5	40.2	15.8	23.2
Min	68.2	28.8	7.8	11.6
Avg	73.8	37.0	13.6	19.8
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)

Verified By

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

Note:

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Technical Manager
Mr. S.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/SMK/044

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	AAQ5 - Near Village Jalahari Lat- 21°57'4.98"N; & Long- 85°25'11.00"E		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	54.2	27.4	6.6	11.2
06.06.2024	55.8	28.2	6.9	11.8
10.06.2024	56.4	28.5	7.2	12.6
13.06.2024	58.2	29.9	7.5	12.9
17.06.2024	60.7	31.2	7.8	13.6
20.06.2024	56.5	28.2	6.8	12.2
24.06.2024	58.8	29.4	7.2	12.8
27.06.2024	48.1	23.7	<4.0	<9.0
Max	60.7	31.2	7.8	13.6
Min	48.1	23.7	<4.0	<9.0
Avg	56.0	28.3	7.1	12.4
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

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

Authorized By

TECHNICAL MANAGER
Technical Manager
GREENFORCE ASSOCIATES PRIVATE LIMITED
Mr. S.K. Parida
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/SMK/045

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	AAQ6 - Near Village Bicchakund Lat- 21°59'29.23"N; & Long- 85°24'08.85"E;		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	51.2	25.9	6.2	10.8
06.06.2024	54.2	27.1	6.4	11.2
10.06.2024	53.8	27.2	6.8	11.8
13.06.2024	55.6	27.8	7.2	12.2
17.06.2024	57.5	28.6	7.5	12.8
20.06.2024	54.6	27.1	5.8	11.6
24.06.2024	56.2	28.2	6.6	11.8
27.06.2024	48.4	24.2	<4.0	<9.0
Max	57.5	28.6	7.5	12.8
Min	48.4	24.2	<4.0	<9.0
Avg	53.9	27.0	6.6	11.7
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
Miss. Arti Sahoo

Note:

Authorized By

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Mr. S.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/SMK/046

Issued Date- 04.07.2024

TEST REPORT

Client Name &Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034			
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	AAQ7 - Near Village Ganua Lat- 21°55'27.37"N; & Long- 85°20'58.26"E;			
Instrument Used	Respirable Dust Sampler, Fine Particulate Dust Sampler			
Date of Sampling	PM10 (µg/m³)	PM2.5 (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)
03.06.2024	48.4	24.2	5.2	10.2
06.06.2024	49.8	24.6	5.6	10.8
10.06.2024	51.4	25.8	6.1	11.2
13.06.2024	53.5	27.1	6.4	11.8
17.06.2024	55.6	28.2	6.8	12.2
20.06.2024	55.2	27.2	6.2	11.8
24.06.2024	57.6	28.6	6.8	12.2
27.06.2024	47.9	23.7	<4.0	<9.0
Max	57.6	28.6	6.8	12.2
Min	47.9	23.7	<4.0	<9.0
Avg	52.4	26.1	6.1	11.4
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

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

Note:

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/SMK/047

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	AAQ8 - Near Village Khandbandh Lat- 21°57'22.56"N; & Long- 85°23'58.44"E;		
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 ₂ ($\mu\text{g}/\text{m}^3$)
03.06.2024	50.2	25.3	5.9	10.6
06.06.2024	51.8	26.1	6.2	11.2
10.06.2024	53.2	26.8	6.6	11.8
13.06.2024	55.8	28.4	6.8	12.4
17.06.2024	56.9	28.8	7.2	12.8
20.06.2024	55.8	27.6	6.2	11.8
24.06.2024	57.2	28.4	6.8	12.5
27.06.2024	48.6	23.6	<4.0	<9.0
Max	57.2	28.8	7.2	12.8
Min	48.6	23.6	<4.0	<9.0
Avg	53.6	26.8	6.5	11.8
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)

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Note:

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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

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

Report No- GFAPL/24-25/SMK/048

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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 mines office; Lat- 21°57'47.34"N; & Long- 85°22'30.79"E AAQ2 – Near Pillar No. F-1; Lat- 21°57'30.72"N; & Long- 85°22'33.11"E; AAQ3 – Near Workshop-Pillar No. 8; Lat- 21°57'37.93"N; Long- 85°22'43.95"E; AAQ4 – Near Pillar No.C2; Lat- 21°57'48.14"N; & Long- 85°22'31.88"E;		
Instrument Used	CO Analyser		

Date of Sampling	Result (mg/m3)			
	AAQ1	AAQ2	AAQ3	AAQ4
03.06.2024	0.48	0.50	0.51	0.53
06.06.2024	0.49	0.52	0.54	0.55
10.06.2024	0.51	0.53	0.55	0.56
13.06.2024	0.53	0.55	0.57	0.58
17.06.2024	0.55	0.57	0.58	0.60
20.06.2024	0.52	0.54	0.55	0.56
24.06.2024	0.53	0.55	0.56	0.58
27.06.2024	0.40	0.40	0.42	0.43
Max	0.55	0.57	0.58	0.60
Min	0.40	0.40	0.42	0.43
Avg	0.50	0.52	0.53	0.54
NAAQ* Standard of CO	4			
Methods of Analysis	IS: 5182(Part- 10)			

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst

Miss. Arti Sahoo

Note:

Authorized By

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/SMK/049

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh, Joda; Dist-Keonjhar, Odisha-758034		
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	AAQ5 – Near Village Jalahuri; Lat- 21°57'4.98"N; & Long- 85°25'11.00"E; AAQ6 – Near Village Bicchakund; Lat- 21°59'29.23"N; & Long- 85°24'08.85"E; AAQ7 – Near Village Ganua; Lat- 21°55'27.37"N; & Long- 85°20'58.26"E; AAQ8 – Near Village Khandbandh; Lat- 21°57'22.56"N; & Long- 85°23'58.44"E;		
Instrument Used	CO Analyser		

Date of Sampling	Result (mg/m ³)			
	AAQ5	AAQ6	AAQ7	AAQ8
03.06.2024	0.34	0.32	0.30	0.31
06.06.2024	0.36	0.33	0.31	0.33
10.06.2024	0.38	0.36	0.33	0.35
13.06.2024	0.39	0.37	0.34	0.37
17.06.2024	0.41	0.39	0.36	0.38
20.06.2024	0.39	0.37	0.38	0.38
24.06.2024	0.40	0.38	0.39	0.39
27.06.2024	0.26	0.25	0.24	0.26
Max	0.41	0.39	0.39	0.39
Min	0.26	0.25	0.24	0.26
Avg	0.36	0.34	0.33	0.34
NAAQ* Standard of CO	4			
Methods of Analysis	IS: 5182(Part- 10)			

Verified By

GREENFORCE ASSOCIATES PRIVATE LIMITED

Chief Analyst

Miss. Arti Sahoo

Note:

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Mr. S.K. Parhi

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Plot No- 1363-3892, Baibhab Realcon, Fulnakhara,
Cuttack, Odisha, India 754001



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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/SMK/050

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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.	Sampling Locations	Date of Sampling	Result (µg/m³)
1	Near Mines bench	04.06.2024	672.5
		21.06.2024	424.3
2	Near Haul roads	04.06.2024	698.3
		21.06.2024	412.5
3	Near crushing point	04.06.2024	748.6
		21.06.2024	442.4
4	Near screening plant	04.06.2024	764.3
		21.06.2024	452.6
5	Near Ore storage and loading	04.06.2024	686.2
		21.06.2024	391.2
6	Near Waste dump	04.06.2024	702.5
		21.06.2024	388.6
7	Near Mines bench	04.06.2024	769.4
		21.06.2024	462.8
8	Near haul roads	04.06.2024	689.2
		21.06.2024	378.6
Fugitive Standard			1200 - 2000
Methods of Analysis			IS:5182 (Part-4)

Verified By

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

Note:

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/SMK/051

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	24.06.2024
Instrument Used	Sound Level meter		

S. No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near mines office; Lat- 21°57'31.42"N; & Long- 85°22'38.83"E;	63.2	50.1
2	Near Pillar No. F-1 Lat- 21°57'30.72"N; & Long- 85°22'33.11"E;	64.1	49.8
3	Near Workshop-, Pillar No. 8 Lat- 21°57'37.93"N; Long- 85°22'43.95"E;	62.6	50.2
4	Near Pillar No.C2 Lat- 21°57'37.93"N; Long- 85°22'43.95"E;	64.3	52.8
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75dB(A)	Night Time –70dB(A)

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

Miss. Arti Sahoo

Note:

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TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha

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Report No- GFAPL/24-25/SMK/052

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	25.06.2024
Instrument Used	Sound level meter		

S. No.	Locations	Day Time	Night Time
		Results in Db(A)	
1	Near Village Jalahuri Lat- 21°57'4.98"N; & Long- 85°25'11.00"E	49.8	38.8
2	Near Village Bicchakund Lat- 21°58'50.16"N; & Long- 85°23'51.37"E;	51.5	39.6
3	Near Village Ganua Lat- 21°55'27.37"N; & Long- 85°20'58.26"E;	52.5	40.1
4	Near Village Khandbandh Lat- 21°55'46.60"N; & Long- 85°23'9.11"E;	55.2	41.4
Residential Zone permissible limits as per CPCB Norms		Day Time – 75Db(A)	Night Time –70Db(A)

Verified By

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

Note:

Authorized By

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

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Report No- GFAPL/24-25/SMK/053

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
Nature of Sampling	Drinking 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	22.06.2024	Date of Complete	27.06.2024
Sampling Location & Coordinates	DW1 -Near Mines Office DW2- Near Garage DW3- Near Crusher		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		DW1	DW2	DW3
				Acceptable Limit	Permissible Limit			
1	pH Value @250C	APHA 24th ED 4500-H+B:2023	--	6.5-8.5	NR	7.12	6.85	7.02
2	Total Dissolved Solids(TDS)	APHA 24th ED: 2540-C: 2023	mg/l	500	2000	88.0	99.0	94.0
3	Chloride (as Cl)	APHA 24th Ed 4500-CI-B:2023	mg/l	250	1000	7.0	8.0	7.0
4	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	40.0	48.0	44.0
5	Calcium	APHA 24th Ed 3500-Ca-B:2023	mg/l	75	200	11.0	12.8	12.0

REMARKS: NR- Not Relaxable;

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Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		DW1	DW2	DW3
				Acceptable Limit	Permissible Limit			
6	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	2.9	3.9	3.4
7	Total Alkalinity	APHA 24th ED 2320-B: 2023	mg/l	200	600	33.0	42.0	39.0
8	Residual Free Chlorine	APHA 24th ED 4500 CL-B: 2023	mg/l	0.2	1.0	<0.2	<0.2	<0.2
9	Total Chromium	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	NR	<0.05	<0.05	<0.05
10	Iron	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.3	NR	0.11	0.14	0.12
11	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	1.6	1.7	1.5
12	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	<0.05	<0.05	<0.05
13	Manganese	IS 3025 PART-59 :2006 RA 2012	mg/l	0.1	0.3	<0.05	<0.05	<0.05

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

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--2 of 3--

Authorized By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, ODISHA

Technical Manager
Mr. S.K. Parhi



GREEN FORCE ASSOCIATES PRIVATE LIMITED

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Report No- GFAPL/24-25/SMK/053

Issued Date- 04.07.2024

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
Nature of Sampling	Drinking 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	22.06.2024	Date of Complete	27.06.2024
Sampling Location & Coordinates	DW1 -Near Mines Office DW2- Near Garage DW3- Near Crusher		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		DW1	DW2	DW3
				Acceptable Limit	Permissible Limit			
1	Nitrate	APHA 24th ED 4500-NO3-E: 2023	mg/l	45	NR	5.24	5.26	5.28
2	Total Coliforms	--	100/MPN	--	--	<1.8	<1.8	<1.8

REMARKS: NR- Not Relaxable

Verified By

CHIEF ANALYST

GREENFORCE ASSOCIATES PRIVATE LIMITED

Bhubaneswar, ODISHA

Miss. Arti Sahoo

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