

ENVIRONMENT MONITORING REPORT
FOR THE MONTH OF
APRIL - 2026



Client- M/s SREE METALIKS LTD.

Address- Khandbandh, Joda,

Dist- Keonjhar, Odisha

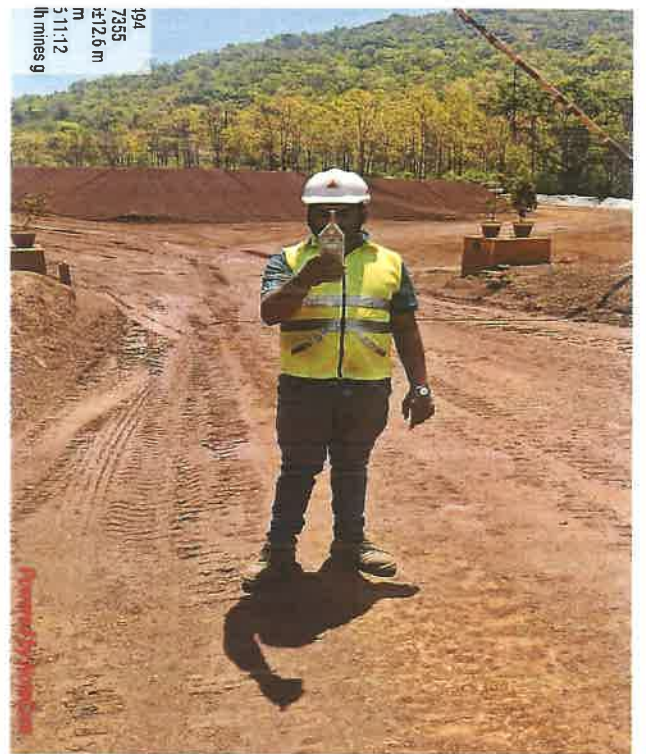
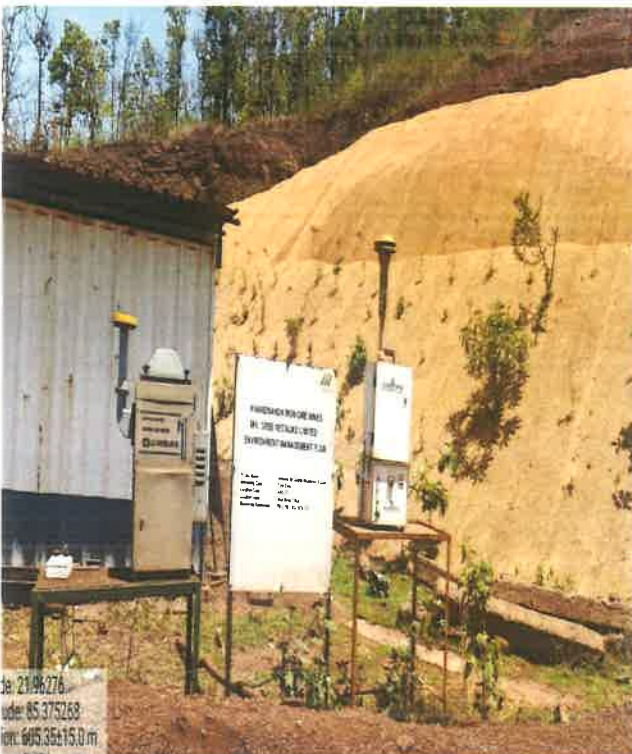


Monitored By - Green Force Associates Pvt. Ltd.

Address- Plot No-1363/3850, Baibhab Nagar,

Lane-2,Nakhara, Dist-Khorda, Odisha- 754001

NABL Certificate No:- TC-12258



Report No- GFAPL/26-27/SMK/001

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	64.2	32.6	7.8	15	0.39
06.04.2026	60.1	30.4	6.8	14.2	0.35
09.04.2026	63.8	32.4	8.0	16.0	0.40
13.04.2026	65.9	33.5	8.8	17.2	0.43
16.04.2026	68.4	34.8	9.6	18.4	0.48
20.04.2026	71.5	36.5	10.0	19.2	0.50
23.04.2026	73.8	37.6	10.4	20.0	0.51
27.04.2026	74.9	38.1	10.8	20.8	0.52
30.04.2026	68.2	34.6	9.4	18.4	0.48
Max	74.90	38.10	10.80	20.80	0.52
Min	60.10	30.40	6.80	14.20	0.35
Avg	67.87	34.50	9.07	17.69	0.45
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

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

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
Bhubaneswar, Odisha
Mr. M.K. Swain

Note:

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END OF REPORT

--1--

Report No- GFAPL/26-27/SMK/002

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	66.8	33.9	8.2	15.8	0.38
06.04.2026	62.4	31.4	7.0	14.8	0.36
09.04.2026	65.7	33.6	8.8	16.4	0.39
13.04.2026	67.9	34.5	9.4	18.2	0.43
16.04.2026	72.4	36.9	10.0	20.0	0.49
20.04.2026	75.1	37.8	10.4	20.4	0.51
23.04.2026	77.2	38.4	11.0	22.4	0.54
27.04.2026	76.4	38.9	11.4	22.8	0.55
30.04.2026	70.1	35.5	9.8	19.2	0.49
Max	77.20	38.90	11.40	22.80	0.55
Min	62.40	31.40	7.00	14.80	0.36
Avg	70.44	35.66	9.56	18.89	0.46
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

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

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Dy. Quality Manager
Mr. M.K. Swain

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Report No- GFAPL/26-27/SMK/003

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	64.1	32.4	7.8	15.4	0.38
06.04.2026	60.7	30.5	6.8	14.4	0.35
09.04.2026	63.8	32.2	8.2	15.8	0.39
13.04.2026	66.5	33.8	8.8	17.2	0.42
16.04.2026	69.3	30.1	9.4	18.8	0.46
20.04.2026	72.6	36.8	9.8	19.8	0.49
23.04.2026	74.8	37.8	10.4	20.4	0.51
27.04.2026	76.9	39.1	10.8	21.0	0.53
30.04.2026	69.7	35.4	9.0	18.6	0.48
Max	76.90	39.10	10.80	21.00	0.53
Min	60.70	30.10	6.80	14.40	0.35
Avg	68.71	34.23	9.00	17.93	0.45
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Mr. S.K. Parhi

Note:

DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Mr. M.K. Swain

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Report No- GFAPL/26-27/SMK/004

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	62.8	31.4	7	14.2	0.35
06.04.2026	59.8	29.9	6.4	13.8	0.34
09.04.2026	62.4	31.2	7.2	14.4	0.36
13.04.2026	64.7	32.7	7.8	15.8	0.39
16.04.2026	67.9	34.2	8.4	16.8	0.41
20.04.2026	70.2	35.6	9	18	0.45
23.04.2026	72.8	36.7	9.4	18.4	0.46
27.04.2026	74.7	37.8	9.8	19.2	0.48
30.04.2026	68.4	34.5	8.4	16.8	0.41
Max	74.70	37.80	9.80	19.20	0.48
Min	59.80	29.90	6.40	13.80	0.34
Avg	67.08	33.78	8.16	16.38	0.41
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

TECHNICAL MANAGER
Reviewed By
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESHWAR, ODISHA
Technical Manager
Mr. S.K. Parhi

DEPUTY QUALITY MANAGER
Authorized Signatory
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESHWAR, ODISHA
By Quality Manager
Mr. M.K. Swain

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Report No- GFAPL/26-27/SMK/005

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	58.2	28.8	5.8	11.8	0.28
06.04.2026	56.4	28.1	5.4	11.4	0.27
09.04.2026	59.2	29.4	5.6	11.6	0.27
13.04.2026	61.6	31.1	5.8	12.0	0.28
16.04.2026	63.7	32.2	6.2	12.4	0.29
20.04.2026	65.3	33.1	6.6	13.0	0.31
23.04.2026	67.1	33.8	7.0	14.0	0.33
27.04.2026	68.6	34.5	7.4	14.6	0.34
30.04.2026	64.2	32.4	6.4	12.8	0.29
Max	68.60	34.50	7.40	14.60	0.34
Min	56.40	28.10	5.40	11.40	0.27
Avg	62.70	31.49	6.24	12.62	0.30
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

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

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Mr. M.K. Swain

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END OF REPORT

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Report No- GFAPL/26-27/SMK/006

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	60.7	30.7	6.2	12.8	0.31
06.04.2026	57.5	28.4	6.0	12.4	0.30
09.04.2026	59.2	29.8	6.4	12.8	0.32
13.04.2026	62.4	31.6	6.6	13.2	0.32
16.04.2026	67.2	34.1	7.4	14.4	0.34
20.04.2026	71.4	36.5	7.8	15.0	0.37
23.04.2026	74.6	37.7	8.4	16.4	0.39
27.04.2026	76.3	38.6	8.8	17.2	0.4
30.04.2026	70.1	35.4	7.0	14.4	0.34
Max	76.30	38.60	8.80	17.20	0.40
Min	57.50	28.40	6.00	12.40	0.30
Avg	66.60	33.64	7.18	14.29	0.34
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

Reviewed By
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Technical Manager

Mr. S.K. Parhi

Note:

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Dy Quality Manager

Mr. M.K. Swain

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--1--

Report No- GFAPL/26-27/SMK/007

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	58.8	29.5	5.8	12	0.29
06.04.2026	56.4	28.3	5.4	11.6	0.28
09.04.2026	59.2	29.8	5.8	12.2	0.29
13.04.2026	61.7	31.2	6.4	12.4	0.29
16.04.2026	64.1	32.4	6.4	12.8	0.31
20.04.2026	65.5	33.4	6.8	13.4	0.32
23.04.2026	67.3	34.1	7.2	14.4	0.34
27.04.2026	68.2	34.5	7.6	14.8	0.35
30.04.2026	65.1	32.7	6.6	13.0	0.31
Max	68.20	34.50	7.60	14.80	0.35
Min	56.40	28.30	5.40	11.60	0.28
Avg	62.92	31.77	6.40	12.96	0.31
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

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

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Mr. M.K. Swain

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Report No- GFAPL/26-27/SMK/008

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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, 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)	CO (mg/m ³)
02.04.2026	60.7	30.7	6.0	12.2	0.29
06.04.2026	58.2	29.1	5.6	11.8	0.28
09.04.2026	61.4	30.9	6.0	12.4	0.29
13.04.2026	63.5	32.1	6.4	12.8	0.30
16.04.2026	66.4	33.7	6.8	13.8	0.33
20.04.2026	68.4	34.7	7.2	14.6	0.36
23.04.2026	70.2	35.6	7.6	15.2	0.38
27.04.2026	71.8	36.4	8.4	16.4	0.39
30.04.2026	66.9	33.8	7.2	14.4	0.35
Max	71.80	36.40	8.40	16.40	0.39
Min	58.20	29.10	5.60	11.80	0.28
Avg	65.28	33.00	6.80	13.73	0.33
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	IS: 5182 (Part- 10)

Reviewed By

TECHNICAL MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESHWAR, ODISHA

Technical Manager

Mr. S.K. Parhi

Note:

Authorized Signatory

DEPUTY QUALITY MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESHWAR, ODISHA

Dy. Quality Manager

Mr. M.K. Swain

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Report No- GFAPL/26-27/SMK/009

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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)		
Sampling Method	As Per IS:5182		

Sl. No.	Sampling Locations	Date of Sampling	Result (µg/m³)
1	Near Mines bench: Lat- 21° 57' 39.95"N, Long-85° 22' 37.35"E	07.04.2026	642.5
		21.04.2026	940.5
2	Near Haul roads: Lat- 21° 57' 38.32"N, Long-85° 22' 33.52"E	07.04.2026	683.7
		21.04.2026	982.4
3	Near crushing point: Lat-21° 57' 38.37"N, Long-85° 22' 30.38"E	07.04.2026	634.1
		21.04.2026	935.6
4	Near screening plant: Lat-21° 57' 36.14"N, Long-85° 22' 30.43"E	07.04.2026	656.4
		21.04.2026	956.2
5	Near Ore storage and loading: Lat-21° 57' 41.49"N, Long- 85° 22' 31.43"E	07.04.2026	642.1
		21.04.2026	940.1
6	Near Waste dump: Lat-21° 57' 45.82"N, Long- 85° 22' 29.58"E	07.04.2026	671.2
		21.04.2026	975.3
Fugitive Standard			1200 - 2000
Methods of Analysis			IS:5182 (Part-4)

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

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Deputy Quality Manager
Mr. M.K. Swain

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END OF REPORT

--1--

Report No- GFAPL/26-27/SMK/010

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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	20.04.2026
Instrument Used	Sound Level meter		
Sampling Method	As Per IS:9989		

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;	60.4	46.7
2	Near Pillar No. F-1 Lat- 21°57'30.72"N; & Long- 85°22'33.11"E;	61.2	48.7
3	Near Workshop-, Pillar No. 8 Lat- 21°57'37.93"N; Long- 85°22'43.95"E;	61.4	48.3
4	Near Pillar No.C2 Lat- 21°57'37.93"N; Long- 85°22'43.95"E;	62.5	48.2
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75dB(A)	Night Time –70dB(A)

Reviewed By
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Technical Manager
Mr. S.K. Parhi

Note:

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA

Dy Quality Manager
Mr. M.K. Swain

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-- 1 --

Report No- GFAPL/26-27/SMK/011

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.Sree Metaliks 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	20.04.2026
Instrument Used	Sound level meter		
Sampling Method	As Per IS:9989		

Sl. 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	50.4	40.2
2	Near Village Bicchakund Lat- 21°58'50.16"N; & Long- 85°23'51.37"E;	50.3	40.9
3	Near Village Ganua Lat- 21°55'27.37"N; & Long- 85°20'58.26"E;	50.6	40.1
4	Near Village Khandbandh Lat- 21°55'46.60"N; & Long- 85°23'9.11"E;	51.2	40.9
Industrial Zone permissible limits as per CPCB Norms		Day Time – 75Db(A)	Night Time –70Db(A)

Reviewed By
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Technical Manager

Mr. S.K. Parhi

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--1--

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Deputy Manager
Mr. M.K. Swain

Report No-GFAPL/26-27/ SMK/012

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	SW1 - River Baitarani, Near Village Jalahuri; Lat-21°57'20.53"N & Long-85°26'31.28"E SW2 - Dalco nala Near Tata Pump House No.7; Lat- 21°55'36.84"N & Long- 85°26'58.23"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW1	SW2
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	1300	<5.0	<5.0
2.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	<1.0	<1.0
3.	pH	APHA 24th ED 4500- H+B:2023	---	6.5-8.5	7.37	7.4
4.	Conductivity	APHA 24th ED 2510-B: 2023	μS/cm	--	214.5	222.8
5.	Total Dissolved Solid	APHA 24th ED 2540-C: 2023	mg/l	1500	130.0	135.0
6.	Chloride(as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	600	21.0	23.0
7.	Cyanide (as CN)	APHA 24th ED 4500-CN-F	mg/l	0.05	<0.02	<0.02
8.	Hexavalent Chromium(asCr+6)	APHA 24 th ED 3500-Cr-B: 2023	mg/l	0.05	<0.05	<0.05
9.	Iron(as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	50	0.32	0.33
10.	Sulfate(asSO4)	APHA 24th ED 4500-SO4 D: 2023	mg/l	400	4.8	5.2
11.	Nitrate (as NO3)	APHA 24th ED 4500-NO3-B: 2023	mg/l	50	1.48	1.66
12.	Fluoride(as F)	APHA 24th ED 4500-F-C: 2023	mg/l	1.5	<0.05	<0.05

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW1	SW2
13	Dissolved oxygen	APHA 24th ED 4500 O-C:2023	mg/l	4	5.9	5.9
14	BOD (3)days at 27°C	IS 3025 (PART 44): 1993 REA-2009	mg/l	3.0	<2.0	<2.0
15	Chemical Oxygen Demand as COD	APHA 24th ED 5220 C:2023	mg/l	--	12.0	14.0
16	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	0.1	<2.0	<2.0
17	Phenolic Compounds as C ₆ H ₅ OH	APHA 24th ED 5530 B,D:2023	mg/l	--	<0.1	<0.1
18	Copper (as Cu)	IS: 3025(Part 42)	mg/l	1.5	<0.02	<0.02
19	Total Coliform	APHA 24th ED 9222- MPN/100ml	MPN/100ml	5000	14	12

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

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

Authorized Signatory
DEPUTY QUALITY MANAGER
 GREENFORCE ASSOCIATES PRIVATE LIMITED
 BHUBANESWAR, ODISHA
 Dy Quality Manager
 Mr. M.K. Swain

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GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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

Report No-GFAPL/26-27/ SMK/012

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	SW1 - River Baitarani, Near Village Jalahuri; Lat-21°57'20.53"N & Long-85°26'31.28"E SW2 - Dalco nala Near Tata Pump House No.7; Lat- 21°55'36.84"N & Long- 85°26'58.23"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW1	SW2
1	Lead (as Pb)	APHA 3111 B.C	mg/l	0.1	<0.01	<0.01
2	Zinc (as Zn)	APHA 3111 B.C	mg/l	15	0.14	0.18
3	Arsenic as As	IS: 3025 (Part 37)	mg/l	0.2	<0.001	<0.001
4	Selenium (as Se)	APHA 3114 B	mg/l	0.05	<0.001	<0.001
5	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.01	<0.001	<0.001

Reviewed By: TECHNICAL MANAGER

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

Authorized Signatory: DEPUTY QUALITY MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Deputy Manager
Mr. M.K. Swain

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END OF REPORT

Report No-GFAPL/26-27/ SMK/013

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	SW3 - SunaNadi(Upstream of mine lease area); Lat- 21°57'21.91"N; Long- 85°22'8.76"E; SW4 - SunaNadi(Downstream of mine lease area); Lat-21°58'2.07"N; Long- 85°22'27.96"E;		
Sampling Method	As Per APHA 24th ED:1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW3	SW4
1.	Colour	IS 3025: (Part 4)- 1983	Hazen	300	<5.0	<5.0
2.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	--	<1.0	<1.0
3.	pH	APHA 24th ED 4500- H+B:2023	---	6.5-8.5	7.34	7.38
4.	Conductivity	APHA 24th ED 2510-B: 2023	µS/cm	--	224.4	227.7
5.	Total Dissolved Solid	APHA 24th ED 2540-C: 2023	mg/l	1500	136.0	138.0
6.	Chloride(as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	600	21.0	24.0
7.	Cyanide (as CN)	APHA 24th ED 4500-CN-F	mg/l	0.05	<0.02	<0.02
8.	Hexavalent Chromium(asCr+6)	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	<0.05	<0.05
9.	Iron(as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	50	0.35	0.38
10.	Sulfate(asSO4)	APHA 24th ED 4500-SO4 D: 2023	mg/l	400	5.4	6.4
11.	Nitrate (as NO3)	APHA 24th ED 4500-NO3-B: 2023	mg/l	50	1.46	1.94
12.	Fluoride(as F)	APHA 24th ED 4500-F-C: 2023	mg/l	1.5	<0.05	<0.05

Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW3	SW4
13	Dissolved oxygen	APHA 24th ED 4500 O-C:2023	mg/l	4	5.8	5.8
14	BOD (3) days at 27°C	IS 3025 (PART 44): 1993 REA-2009	mg/l	3.0	<2.0	<2.0
15	Chemical Oxygen Demand as COD	APHA 24th ED 5220 C:2023	mg/l	--	16.0	18.0
16	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	0.1	<2.0	<2.0
17	Phenolic Compounds as C ₆ H ₅ OH	APHA 24th ED 5530 B,D:2023	mg/l	--	<0.1	<0.1
18	Copper (as Cu)	IS: 3025 (Part 42)	mg/l	1.5	<0.02	<0.02
19	Total Coliform	APHA 24th ED 9222-FT: 2023	MPN/100ml	5000	14	16

REMARKS: Laboratory Oil & Grease BDL Value is <2.0

TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Technical Manager

Mr. S.K. Parhi

DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Dy Quality Manager

Mr. M.K. Swain

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END OF REPORT

GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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Report No-GFAPL/26-27/ SMK/013

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	SW3 - SunaNadi(Upstream of mine lease area) Lat- 21°57'21.91"N; Long- 85°22'8.76"E; SW4 - SunaNadi(Downstream of mine lease area) Lat-21°58'2.07"N; Long- 85°22'27.96"E;		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS-2296 Class-C	SW3	SW4
1	Lead (as Pb)	APHA 3111 B,C	mg/l	0.1	<0.01	<0.01
2	Zinc (as Zn)	APHA 3111 B,C	mg/l	15	0.14	0.20
3	Arsenic as As	IS: 3025 (Part 37)	mg/l	0.2	<0.001	<0.001
4	Selenium (as Se)	APHA 3114 B	mg/l	0.05	<0.001	<0.001
5	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.01	<0.001	<0.001

Reviewed By
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUVANESHWAR, ODISHA
Mr. S.K. Parhi

Authorized Signatory
DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUVANESHWAR, ODISHA
Mr. M.K. Swain

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END OF REPORT

--3 of 3--

Report No- GFAPL/26-27/ SMK/014

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	GW1- Open well of Village Jajang; Lat- 21°55'59.08"N; & Long- 85°26'6.58"E; GW2- Open well of Village Jalahuri; Lat- 21°57'7.24"N; & Long- 85°25'16.12"E;		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2
				AL	PL		
1.	Taste	APHA 24th ED: 2160-B 24th ED	---	Agreeable	Agreeable	AL	AL
2.	Colour	IS 3025: (Part 4)- 1983	Hazen	5	15	<5.0	<5.0
3.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	1	5	<1	<1
4.	pH Value @250C	APHA 24th ED 4500- H+B:2023	--	6.5-8.5	NR	7.07	7.08
5.	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	500	2000	221.0	234.0
6.	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	250	1000	33.0	35.0
7.	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	126.0	133.0
8.	Calcium	APHA 24th Ed 3500- Ca-B:2023	mg/l	75	200	31.70	34.10
9.	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	11.4	11.7
10.	Total Alkalinity	APHA 24th ED 2320-B: 2023	mg/l	200	600	114.0	122.0

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2
				AL	PL		
11.	Residual Free Chlorine	APHA 24th ED 4500 CL-B:2023	mg/l	0.2	1.0	<0.2	<0.2
12.	Cyanide	APHA 24th ED 4500 CN-F:2023	mg/l	0.05	NR	<0.02	<0.02
13.	Total Chromium	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	NR	<0.05	<0.05
14.	Iron	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.3	NR	0.23	0.25
15.	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	4.30	4.80
16.	Nitrate	APHA 24th ED 4500-NO3-E: 2023	mg/l	45	NR	1.42	1.61
17.	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	<0.05	<0.05
18.	Boron	APHA 24th ED 4500 B-B:2023	mg/l	0.5	1.0	<0.01	<0.01
19.	Manganese	IS 3025 PART-59 :2006 RA:2012	mg/l	0.3	0.3	<0.05	<0.05
20.	Sodium as Na	APHA 24th ED 3500- Na-B	mg/l	--	--	19.4	20.8
21.	Potassium as K	APHA 24th ED 3500- K-B	mg/l	--	--	2.2	2.5
22.	Phenolic Compound (as C6H5OH)	APHA 24th ED 5530 B,D: 2023	mg/l	--	--	<0.1	<0.1
23.	Copper (as Cu)	IS: 3025(Part 42)	mg/l	0.05	1.5	<0.02	<0.02
24.	Mercury (as Hg)	APHA 24th ED3500Hg: 2023	mg/l	0.001	NR	<0.001	<0.001
25.	Aluminum (as Al)	APHA24th ED 3500Al: 2023	mg/l	0.03	0.2	<0.02	<0.02
26.	Total Coliforms	APHA 24th ED 9222-H: 2023	100/M PN	--	--	<2.0	<2.0

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

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

DEPUTY QUALITY MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
By Quality Manager
Mr. M.K. Swain

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Report No- GFAPL/26-27/ SMK/014

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	GW1- Open well of Village Jajang; Lat- 21°55'59.08"N; & Long- 85°26'6.58"E; GW2- Open well of Village Jalahuri; Lat- 21°57'7.24"N; & Long- 85°25'16.12"E;		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2
				AL	PL		
1.	Odour	APHA 24th ED: 2150-B - 2023	---	Agreeable	Agreeable	U/O	U/O
2.	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.003	NR	<0.001	<0.001
3.	Zinc (as Zn)	APHA 24th ED 3500 Zn: 2023	mg/l	5	15	<0.02	<0.02
4.	Lead (as Pb)	APHA 24th ED 3500 Pb: 2023	mg/l	0.01	NR	<0.01	<0.01
5.	Selenium (as Se)	APHA 24th ED 3500 B: 2023	mg/l	0.01	NR	<0.001	<0.001

--3 of 4--

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Sl.No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW1	GW2
				AL	PL		
6.	Arsenic (as As)	APHA24th ED 3500As: 2023	mg/l	0.01	0.05	<0.001	<0.001
7.	Mineral Oil	APHA 24th ED5220B: 2023	mg/l	0.5	NR	ND	ND
8.	Anionic Detergents (as MBAS)	APHA24th ED 5540 C: 2023	mg/l	0.2	1.0	ND	ND

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

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

DEPUTY QUALITY MANAGER
Authorized Signatory
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Dy Quality Manager
Mr. M.K. Swain

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END OF REPORT

Report No- GFAPL/26-27/ SMK/015

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	GW3- Open well of Village Khandbandh; Lat- 21°55'25.97"N; & Long- 85°23'17.72"E; GW4- Open well near Jurudi; Lat- 21° 56' 59.26"N; & Long- 85° 25' 35.44"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS:10500, 2012		GW3	GW4
				AL	PL		
1.	Taste	APHA 24th ED: 2160-B 24th ED	---	Agreeable	Agreeable	AL	AL
2.	Colour	IS 3025: (Part 4)- 1983	Hazen	5	15	<5.0	<5.0
3.	Turbidity	APHA 24th ED: 2130-B -2023	NTU	1	5	<1	<1
4.	pH Value @250C	APHA 24th ED 4500- H+B:2023	--	6.5-8.5	NR	7.01	6.98
5.	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	500	2000	226.0	228.0
6.	Chloride (as Cl)	APHA 24th Ed 4500- Cl-B:2023	mg/l	250	1000	33.0	34.0
7.	Total Hardness	APHA 24th ED 2340-C: 2023	mg/l	200	600	129.0	127.0
8.	Calcium	APHA 24th Ed 3500- Ca-B:2023	mg/l	75	200	32.10	32.50
9.	Magnesium	APHA 24th ED 3500-Mg-B: 2023	mg/l	30	100	11.9	11.2
10.	Total Alkalinity	APHA 24th ED 2320-B: 2023	mg/l	200	600	116.0	118.0

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW3	GW4
				AL	PL		
11.	Residual Free Chlorine	APHA 24th ED 4500 CL-B:2023	mg/l	0.2	1.0	<0.2	<0.2
12.	Cyanide	APHA 24th ED 4500 CN-F:2023	mg/l	0.05	NR	<0.02	<0.02
13.	Total Chromium	APHA 24th ED 3500-Cr-B: 2023	mg/l	0.05	NR	<0.05	<0.05
14.	Iron	APHA 24th ED 3500-Fe-B: 2023	mg/l	0.3	NR	0.21	0.22
15.	Sulfate	APHA 24th ED 4500-SO4 D: 2023	mg/l	200	400	5.10	5.20
16.	Nitrate	APHA 24th ED 4500-NO3-E: 2023	mg/l	45	NR	1.84	1.58
17.	Fluoride	APHA 24th ED 4500-F-C: 2023	mg/l	1.0	1.5	<0.05	<0.05
18.	Boron	APHA 24th ED 4500 B-B:2023	mg/l	0.5	1.0	<0.01	<0.01
19.	Manganese	IS 3025 PART-59 :2006 RA 2012	mg/l	0.1	0.3	<0.05	<0.05
20.	Sodium as Na	APHA 24th ED 3500- Na-B	mg/l	--	--	19.5	20.1
21.	Potassium as K	APHA 24th ED 3500- K-B	mg/l	--	--	2.1	2.4
22.	Phenolic Compound (as C6H5OH)	APHA 24th ED 5530 B,D: 2023	mg/l	--	--	<0.1	<0.1
23.	Copper (as Cu)	IS: 3025(Part 42)	mg/l	0.05	1.5	<0.02	<0.02
24.	Mercury (as Hg)	APHA 24th ED3500Hg: 2023	mg/l	0.001	NR	<0.001	<0.001
25.	Aluminum (as Al)	APHA24th ED 3500Al: 2023	mg/l	0.03	0.2	<0.02	<0.02
26.	Total Coliforms	APHA 24th ED 9222-H: 2023	100/M PN	--	--	<2.0	<2.0

TECHNICAL MANAGER: BHUBANESWAR, Odisha; AL-Acceptable Limit; PL- Permissible Limit;

GREENFORCE ASSOCIATES PRIVATE LIMITED

BHUBANESWAR, ODISHA

Technical Manager

Mr. S.K. Parhi

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--2 of 4--

DEPUTY QUALITY MANAGER

GREENFORCE ASSOCIATES PRIVATE LIMITED

Authorized Signatory

BHUBANESWAR, ODISHA

Dy Quality Manager

Mr. M.K. Swain

GREEN FORCE

ASSOCIATES PRIVATE LIMITED

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

Report No- GFAPL/26-27/ SMK/015

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	GW3- Open well of Village Khandbandh; Lat- 21°55'25.97"N; & Long- 85°23'17.72"E GW4- Open well near Jurudi; Lat- 21° 56' 59.26"N; & Long- 85° 25' 35.44"E		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW3	GW4
				AL	PL		
1	Odour	APHA 24th ED: 2150-B - 2023	---	Agreeable	Agreeable	U/O	U/O
2	Cadmium (as Cd)	IS: 3025(Part 41)	mg/l	0.003	NR	<0.001	<0.001
3	Zinc (as Zn)	APHA 24th ED 3500 Zn: 2023	mg/l	5	15	<0.02	<0.02
4	Lead (as Pb)	APHA 24th ED 3500 Pb: 2023	mg/l	0.01	NR	<0.01	<0.01
5	Selenium (as Se)	APHA 24th ED 3500 B: 2023	mg/l	0.001	NR-	<0.001	<0.001

--3 of 4--

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Sl. No.	Parameter	Testing Methods	Unit	Standard as per IS: 10500, 2012		GW3	GW4
				AL	PL		
6	Arsenic (as As)	APHA24th ED 3500As: 2023	mg/l	0.01	0.05	<0.001	<0.001
7	Mineral Oil	APHA 24th ED5220B: 2023	mg/l	0.5	NR	ND	ND
8	Anionic Detergents (as MBAS)	APHA24th ED 5540 C: 2023	mg/l	0.2	1.0	ND	ND

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

Reviewed By

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Mr. S.K. Parhi

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Mr. M.K. Swain

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Report No-GFAPL/26-27/ SMK/016

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
Nature of Sampling	Ground Water Level		
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	20.04.2026		
Sampling Method	As Per CPCB Guidelines		

Sl. No.	Locations	Result
1	GWL1- Open well of Village Jajang; Lat- 21°55'59.08"N; & Long- 85°26'58"E	6.1 m
2	GWL2- Open well of Village Jalahuri; Lat- 21°57'7.24"N; & Long- 85°25'16.12"E	5.9 m
3	GWL3- Open well of Village Khandbandh; Lat- 21°55'25.97"N; & Long- 85°23'17.72"E	8.1 m
4	GWL4- Open well near Jurudi; Lat- 21° 56' 59.26"N; & Long- 85° 25' 35.44"	7.5 m

Reviewed By
TECHNICAL MANAGER
GREENFORCE ASSOCIATES PRIVATE LIMITED
BHUBANESWAR, ODISHA
Technical Manager
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Report No- GFAPL/26-27/ SMK/017

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	S1- Within Lease Area: Lat- 21° 57' 34.13"N, Long- 85° 22' 37.8192"E		
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results
				S-1
1	Moisture content	IS: 2720(Part-22)-1972	%	5.8
2	Bulk Density	GFAPL/SOP/Soil & Rock/03-23	gm/cc	1.35
3	Specific Gravity	IS: 2720(Part-3/Sec1)-1980	Gs	2.7
4	pH	--	---	6.34
5	Electrical conductivity	IS:14767: 2000	µs/cm	201.2
6	Organic Carbon	IS: 2720(Part-26)-1987	%	1.14
7	Sulphate	IS: 2720(Part-2)-1973	mg/kg	64
8	Nitrogen as N	IS:14684: 1999	kg/hect	52

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Report No- GFAPL/26-27/ SMK/017

Issued Date-04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
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	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	S1- Within Lease Area: Lat- 21° 57' 34.13"N, Long- 85° 22' 37.8192"E		
Sampling Method	As Per TNAU Agri Portal		

Sl. No.	Parameters	Testing Methods	Unit	Analysis Results
				S-1
1	Colour	GFAPL/SOP/Soil & Rock/01-23		Brown
2	Soil Texture	GFAPL/SOP/Soil & Rock/02-23	---	Sandy loamy
3	Calcium as Ca	IS: 2720(Part-23)	mg/kg	408
4	Magnesium as Mg	GFAPL/SOP/Soil & Rock/04-23	mg/kg	194
5	Chloride	GFAPL/SOP/Soil & Rock/07-23	mg/kg	128
6	Potassium	GFAPL/SOP/Soil & Rock/06-23	mg/kg	144
7	Phosphorus	GFAPL/SOP/Soil & Rock/05-23	kg/hect	22
8	Manganese as Mn	GFAPL/SOP/Soil & Rock/08-23	mg/kg	6.8
9	Iron	GFAPL/SOP/Soil & Rock/09-23	%	2.84

Reviewed By
TECHNICAL MANAGER
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BHUBANESWAR, ODISHA
Mr. S.K. Parhi

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Report No- GFAPL/26-27/SMK/018

Issued Date- 04.05.2026

TEST REPORT

Client Name & Address	M/s.SreeMetaliks Limited, At/Po-Khandbandh,Joda; Dist-Keonjhar,Odisha-758034		
Nature of Sampling	Effluent Treatment Plant		
Sampling By	GFAPL's Representative		
Location of performance of Laboratory activities	Laboratory Permanent Facility	Deviation from the method (if any)	NO
Discipline	Chemical	Group	Water
Date of Sampling	20.04.2026	Date of Receiving	21.04.2026
Date of Analysis	22.04.2026	Date of Complete	27.04.2026
Sampling Location & Coordinates	ETP ; Latitude: 21° 57' 46.99"N & Longitude: 85° 22' 34.44"E.		
Sampling Method	As Per APHA 24th ED: 1060B:2023		

Sl. No.	Parameter	Testing Methods	Unit	Standard as Per E(p) Act, 1986 Schedule-VI(b)	ETP
1	pH Value @250C	APHA 24th ED 4500 H+B:2023	--	5.5-9.0	7.30
2	Conductivity	APHA 24th ED 2510-B: 2023	ms/cm	--	227.7
3	Total Dissolved Solids(TDS)	APHA 24th ED 2540-C: 2023	mg/l	--	148.0
4	Total Suspended Solids(TSS)	APHA 24th ED 2540-D: 2023	mg/l	600	16
5	Hexavalent Chromium (as Cr+6)	APHA 24th ED 3500-Cr-B: 2023	mg/l	2.0	<0.05
6	Total Chromium (as	APHA 24th ED 3500-Cr-B: 2023	mg/l	2.0	<0.05
7	Sulfate(as SO ₄)	APHA 24th ED 4500- SO ₄ D: 2023	mg/l	--	5.6
8	Nitrate as (NO ₃)	APHA 24th ED 4500-NO ₃ -E: 2023	mg/l	--	4.8
9	Fluoride (as F)	APHA 24th ED 4500-F-C: 2023	mg/l	15	0.9
10	Iron (as Fe)	APHA 24th ED 3500-Fe-B: 2023	mg/l	3	0.54

Sl. No.	Parameter	Testing Methods	Unit	Standard as Per E(p) Act, 1986 Schedule-VI(b)	ETP
11	Chemical Oxygen Demand (as COD)	APHA 24th ED 5220 C:2023	mg/l	--	20
12	Oil & Grease	IS 3025 PART 39-1991 RA-2003	mg/l	20	<2.0
13	Phosphate (as PO ₄)	APHA 24th ED 4500-P-D: 2023	mg/l	--	<0.05
14	Ammonical Nitrogen	APHA 24th ED 4500-NH ₃ -C:2023	mg/l	50	<0.7
15	Total Kjeldhal Nitrogen	APHA 24th ED 4500- Norg B; NH ₃ -B, C:2023	mg/l	--	1.4

Reviewed By

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