

**ENVIRONMENT MONITORING
REPORT OF
MONTH OCTOBER-2022**



Client- M/s SREE METALIKS LTD.

Address- Loidapada, Dist-Barbil,

Keonjhar, Odisha

Monitored By - BIOMES LABORATORY

Address- Plot-225, Chandrasekharpur,

Bhubaneswar, Odisha-751016

NABL Certificate No:- TC10049



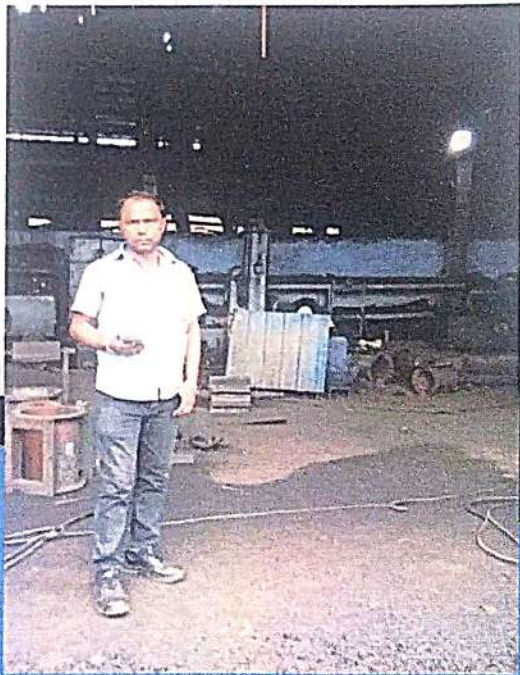
PHOTOGRAPHS OF ENVIRONMENT MONITORING



PHOTOGRAPHS OF ENVIRONMENT MONITORING



PHOTOGRAPHS OF ENVIRONMENT MONITORING





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[ISO 14001:2015, ISO 9001:2015 & ISO 45001:2018 Certified Organization]



Report No-BMS/22/SML-Loidapada/300

Issued Date-08.11.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Air Sample
Sampling Location & Coordinates	AAQ1-Near Admin Office: 21°59'26.41"N Latitude & 85°19'39.29"E Longitude
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

Date Of Sampling	PM10 (µg/m ³)	PM2.5 (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)
03.10.2022	57.2	29.5	10.1	15.1
07.10.2022	62.4	31.6	10.6	15.9
10.10.2022	65.6	33.2	11.3	16.6
13.10.2022	64.2	32.5	11.5	17.2
17.10.2022	66.8	34.1	12.1	17.8
20.10.2022	68.2	35.1	12.6	18.2
24.10.2022	71.5	37.8	12.8	18.7
28.10.2022	69.8	36.2	12.4	18.4
31.10.2022	72.5	38.9	12.7	19.1
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)




Authorized Signatory

END OF REPORT

Note:

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Plot No. 225, District Centre, Chandrasekharapur, Bhubaneswar – 751016

Email – biomes.bbsr@gmail.com, biomes.enviro@gmail.com

Contact: 0674-2747444 / 797808808



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Report No –BMS/22/SML-Loidapada/301

Issued Date-08.11.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Air Sample
Sampling Location & Coordinates	AAQ2-Near Dispensary: 21°59'33.80"N Latitude & 85°19'24.18"E Longitude
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

Date Of Sampling	PM10 (µg/m ³)	PM2.5 (µg/m ³)	SO ₂ (µg/m ³)	NOx (µg/m ³)
03.10.2022	48.6	24.7	6.6	10.8
07.10.2022	50.4	26.2	6.9	11.5
10.10.2022	53.5	26.8	7.2	12.2
13.10.2022	54.2	27.2	7.4	12.7
17.10.2022	53.8	27.6	7.1	12.1
20.10.2022	55.6	28.2	7.5	12.9
24.10.2022	60.2	31.2	7.6	13.2
28.10.2022	58.6	30.2	7.8	13.5
31.10.2022	61.4	32.8	7.5	12.8
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)



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Issued Date-08.11.2022

Report No –BMS/22/SML-Loidapada/302

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Air Sample
Sampling Location & Coordinates	AAQ3- Village Rugudihi:21°59'50.80"N Latitude & 85°19'20.16"E Longitude
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

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 ($\mu\text{g}/\text{m}^3$)
03.10.2022	47.6	24.2	<4.0	<9.0
07.10.2022	51.2	26.1	<4.0	<9.0
10.10.2022	53.8	27.4	<4.0	<9.0
13.10.2022	55.6	28.2	<4.0	<9.0
17.10.2022	56.8	28.8	<4.0	<9.0
20.10.2022	54.2	27.6	<4.0	<9.0
24.10.2022	57.2	29.1	<4.0	<9.0
28.10.2022	55.6	28.6	<4.0	<9.0
31.10.2022	56.4	28.8	<4.0	<9.0
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)



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Report No –BMS/22/SML-Loidapada/303

Issued Date-08.11.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Air Sample
Sampling Location & Coordinates	AAQ4-Village Lohidapada:21°59'35.97"N Latitude & 85°19'08.86"E Longitude
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

Date Of Sampling	PM10 (µg/m ³)	PM2.5 (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)
03.10.2022	41.6	20.8	<4.0	<9.0
07.10.2022	43.5	22.4	<4.0	<9.0
10.10.2022	46.2	23.5	<4.0	<9.0
13.10.2022	45.7	22.9	<4.0	<9.0
17.10.2022	46.8	23.2	<4.0	<9.0
20.10.2022	47.2	23.8	<4.0	<9.0
24.10.2022	49.6	25.2	<4.0	<9.0
28.10.2022	50.1	25.5	<4.0	<9.0
31.10.2022	51.1	26.1	<4.0	<9.0
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)




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Report No –BMS/22/SML-Loidapada/304

Issued Date-08.11.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Air Sample
Sampling By	BIOME's Representative
Instrument Used	CO Analyser

Name of Location	A1 Near Admin Office	A2 Near Dispensary	A3 Village Rugudihi	A4 Village Lohidapada
Date Of Sampling	CO (mg/m ³)	CO (mg/m ³)	CO (mg/m ³)	CO (mg/m ³)
03.10.2022	0.45	0.34	0.32	0.23
07.10.2022	0.47	0.35	0.33	0.25
10.10.2022	0.49	0.37	0.34	0.26
13.10.2022	0.51	0.38	0.36	0.25
17.10.2022	0.52	0.37	0.38	0.27
20.10.2022	0.53	0.38	0.37	0.28
24.10.2022	0.56	0.4	0.38	0.3
28.10.2022	0.55	0.42	0.4	0.31
31.10.2022	0.58	0.41	0.41	0.3
NAAQ* Standard	4	4	4	4
Methods of Analysis	IS: 5182 (Part- 10)	IS:5182 (Part-10)	IS:5182 (Part-10)	IS:5182 (Part-10)




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Report No –BMS/22/SML-Loidapada/305

Issued Date-08.11.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Air Sample
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Benzene Sampler
Date of Sampling	17.10.2022

Name of Location	Location	O ₃ (µg/m ³)	NH ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	C ₆ H ₆ (µg/m ³)	BaP (ng/m ³)
AAQ-1	Near Admin Office	9.2	26.4	<0.06	<0.6	<0.44	<5	<1
AAQ-2	Near Dispensary	<8.0	<20.0	<0.06	<0.6	<0.44	<5	<1
AAQ-3	Village Rugudihi	<8.0	<20.0	<0.06	<0.6	<0.44	<5	<1
AAQ-4	Village Lohidapada	<8.0	<20.0	<0.06	<0.6	<0.44	<5	<1
	NAAQ* Standard	100	400	1	20	6	5	1
	Methods of Analysis	IS:5182 (Part-9)	IS:5182 (Part-25)	IS:5182 (Part-22)	IS:5182 (Part-26)	As per CPCB method followed by AAS	IS:5182 (Part-11)	IS:5182 (Part-12)




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TG-10049

Report No –BMS/22/SML-Loidapada/306

Issued Date-08.11.2022

FUGITIVE MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	AAQ-Fugitive Dust Sample
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler

Sl. No.	Name of Location	Latitude	Longitude	Date of Sampling	Result
1	Near Main Gate	21°59'36.61"N	85°19'27.95"E	14.10.2022	711.5
2	Near Crushing Plant	21°59'27.80"N	85°19'38.89"E	14.10.2022	774.6
3	Near Power Plant	21°59'27.87"N	85°19'30.78"E	14.10.2022	728.2
4	Near SMS - 1	21°59'23.62"N	85°19'37.62"E	14.10.2022	676.5
5	Near SMS - 2	21°59'36.28"N	85°19'34.16"E	18.10.2022	789.6
6	Near Blast Furnace	21°59'23.15"N	85°19'32.77"E	18.10.2022	846.5
7	Near Milling Role-1	21°59'23.96"N	85°19'39.63"E	18.10.2022	724.3
8	Near Milling Role-2	21°59'39.20"N	85°19'36.15"E	18.10.2022	889.2
Fugitive Standard					1200
Methods of Analysis					IS:5182 (Part-24)




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END OF REPORT

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TC-10049

Report No –BMS/22/SML-Loidapada/307

Issued Date-08.11.2022

GROUND WATER MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ground Water
Sampling Location & Coordinates	GW1- Inside Colony; Latitude 21°59'34.27"N & Longitude 85°19'26.87"E GW2-Village Rugudihi; Latitude 21°59'50.80"N & Longitude 85°19'20.16"E GW3-Village Lohidapada; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E
Sampling By	BIOME's Representative
Date of Sampling	20.10.2022
Date of Sample Received	21.10.2022
Date of Analysis	21.10.2022-26.10.2022

ANALYSIS RESULT

Sl. No.	Parameters	Unit	Standard as per IS-10500 (2012)	GW1	GW2	GW3
1	pH	---	6.5-8.5(NR)	6.94	7.02	6.82
2	Colour	Hazen	5 (15)	<5.0	<5.0	<5.0
3	Turbidity	NTU	1(5)	<1	<1	<1
4	Chloride (as Cl)(max)	mg/l	250 (1000)	15.0	16.0	15.0
5	Total Dissolved Solid	mg/l	500 (2000)	156.0	167.0	149.0
6	Total Hardness (as CaCO ₃) (max)	mg/l	200 (600)	110.0	118.0	104.0
7	Iron (as Fe) (max)	mg/l	0.3 (NR)	0.23	0.22	0.2
8	Calcium (as Ca) (max)	mg/l	75 (200)	28.5	30.5	27.3
9	Magnesium (as Mg) (max)	mg/l	30 (100)	9.5	10.2	8.8
10	Sulfate (as SO ₄) (max)	mg/l	200(400)	2.4	2.3	2.2
11	Nitrate (as NO ₃) (max)	mg/l	45 (NR)	1.12	1.22	1.06

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12	Alkalinity (as CaCO ₃) (max)	mg/l	200 (600)	103.0	108.0	98.0
13	Fluoride (as F) (max)	mg/l	1.0(1.5)	<0.05	<0.05	<0.05
14	Total Chromium as Cr(max)	mg/l	0.05(NR)	<0.05	<0.05	<0.05
15	Sodium as Na	mg/l	---	9.4	9.9	9.5
16	Potassium as K	mg/l	---	0.5	0.6	0.5

Note:- NR-No Relaxation



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End of test report

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Report No –BMS/22/SML-Loidapada/308

Issued Date-08.11.2022

GROUND WATER MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ground Water
Sampling Location & Coordinates	GW1- Inside Colony; Latitude 21°59'34.27"N & Longitude 85°19'26.87"E GW2-Village Rugudihi; Latitude 21°59'50.80"N & Longitude 85°19'20.16"E GW3-Village Lohidapada; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E
Sampling By	BIOME's Representative
Date of Sampling	20.10.2022
Date of Sample Received	21.10.2022
Date of Analysis	21.10.2022-26.10.2022

ANALYSIS RESULT

Sl. No.	Parameters	Unit	Standard as per IS-10500 (2012)	GW1	GW2	GW3
17	Odour	---	Agreeable	AL	AL	AL
18	Taste	---	Agreeable	AL	AL	AL
19	Residual free Chlorine	mg/l	0.2 (1)	<0.2	<0.2	<0.2
20	Manganese (as Mn) (max)	mg/l	0.1(0.3)	<0.05	<0.05	<0.05
21	Cadmium (as Cd) (max)	mg/l	0.003 (NR)	<0.001	<0.001	<0.001
22	Copper (as Cu) (max)	mg/l	0.05 (1.5)	<0.03	<0.03	<0.03
23	Zinc (as Zn) (max)	mg/l	5 (15)	<0.05	<0.05	<0.05
24	Lead (as Pb) (max)	mg/l	0.01 (NR)	<0.01	<0.01	<0.01
25	Selenium (as Se) (max)	mg/l	0.01 (NR)	<0.001	<0.001	<0.001
26	Cyanide (as CN) (max)	mg/l	0.05 (NR)	<0.2	<0.2	<0.2
27	Boron (as B) (max)	mg/l	0.5 (1.0)	<0.01	<0.01	<0.01

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28	Arsenic (as As) (max)	mg/l	0.01 (0.05)	<0.001	<0.001	<0.001
29	Mineral Oil	mg/l	0.5(NR)	ND	ND	ND
30	Aluminum (as Al) (max)	mg/l	0.03(0.2)	<0.01	<0.01	<0.01
31	Anionic Detergents (as MBAS)	mg/l	0.2(1.0)	ND	ND	ND
32	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001
33	Phenolic Compound (as C ₆ H ₅ OH) (max)	mg/l	0.001 (0.002)	<0.001	<0.001	<0.001
34	Total Coliforms	MPN/100ml	Absent	<1.8	<1.8	<1.8

Note:-AL- Agreeable, NR-No Relaxation, ND- Not Detectable



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End of test report

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Plot No. 225, District Centre, Chandrasekharpur, Bhubaneswar – 751016

Email – biomes.bbsr@gmail.com, biomes.enviro@gmail.com

Contact: 0674-2747444 / 797808808



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Report No -BMS/22/SML-Loidapada/309

Issued Date-08.11.2022

AMBIENT NOISE LEVEL MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Ambient Noise
Sampling Location	N1-Near Admin Office; Latitude 21°59'26.41"N & Longitude 85°19'39.29"E N2-Near Dispensary; Latitude 21°59'33.80"N & Longitude 85°19'24.18"E N3-Village Rugudi; Latitude 21°59'50.80"N & Longitude 85°19'20.16"E N4-Village Lohidapada; Latitude 21°59'35.97"N & Longitude 85°19'08.86"E
Sampling By	BIOME's Representative
Instrument Used	Noise Meter
Date of Sampling	17.10.2022
Date of Receiving	18.10.2022

Day time Noise monitoring results Noise Level in dB (A)				
TIME (6.00AM to 10.00PM)	N-1	N-2	N-3	N-4
Avg.	65.1	47.1	48.8	48.2
Standard as per CPCB	75.0	55.0		
Night time Noise monitoring results Noise Level in dB (A)				
TIME (10.00PM to 6.00AM)	N-1	N-2	N-3	N-4
Avg.	48.2	36.6	36.8	36.9
Standard as per CPCB	70.0	45.0		




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Report No -BMS/22/SML-Loidapada/310

Issued Date-08.11.2022

WORK ZONE NOISE LEVEL MONITORING TEST REPORT

Client Name & Address	M/s Sree Metalliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Work Zone Noise
Sampling Location	N1- Near Main Gate; Latitude 21°59'36.61"N & Longitude 85°19'27.95"E N2- Near Crushing Plant; Latitude 21°59'27.80"N & Longitude 85°19'38.89"E N3- Near Power Plant; Latitude 21°59'27.87"N & Longitude 85°19'30.78"E N4- Near SMS - 1; Latitude 21°59'23.62"N & Longitude 85°19'37.62"E N5- Near SMS - 2; Latitude 21°59'36.28"N & Longitude 85°19'34.16"E N6- Near Blast Furnace; Latitude 21°59'23.15"N & Longitude 85°19'32.77"E N7- Near Milling Role-1; Latitude 21°59'23.96"N & Longitude 85°19'39.63"E N8- Near Milling Role-2; Latitude 21°59'39.20"N & Longitude 85°19'36.15"E
Sampling By	BIOME's Representative
Instrument Used	Noise Meter
Date of Sampling	18.10.2022- 19.10.2022
Date of Receiving	20.10.2022

Day time Noise monitoring results Noise Level in dB (A)								
TIME (6.00AM to 10.00PM)	N-1	N-2	N-3	N-4	N-5	N-6	N-7	N-8
Avg.	71.5	71.8	70.1	69.6	70.4	70.5	70.8	70.1
Standard as per CPCB	75.0							
Night time Noise monitoring results Noise Level in dB (A)								
TIME (10.00PM to 6.00AM)	N-1	N-2	N-3	N-4	N-5	N-6	N-7	N-8
Avg.	65.2	68.6	64.9	63.2	63.4	66.8	64.8	65.7
Standard as per CPCB	70.0							




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Report No –BMS/22/SML-Loidapada/311

Issued Date-08.11.2022

SOIL QUALITY TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	SOIL
Sampling Location	S-1 Plant Area; Latitude 21°59'26.41"N & Longitude 85°19'39.29"E S-2 Village Rugudihi; Latitude 21°59'50.80"N & Longitude 85°19'20.16"E S-3 Village Lohidapada; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E
Sampling By	BIOME's Representative
Date of Sampling	20.10.2022
Date of Receiving	21.10.2022
Date of Analysis	21.10.2022-24.10.2022

ANALYSIS RESULT

Sl.No.	Parameters	Unit	Analysis Results		
			S-1 Plant Area	S-1 Plant Area	S-1 Plant Area
1	Colour	---	Brown	Brown	Brown
2	Moisture content	%	11.8	12	11.4
3	pH	---	6.22	6.18	6.28
4	Electrical conductivity (as EC)	micro s/cm	208	198	192
5	Soil Texture	---	Sandy loamy	Sandy Clay loamy	Sandy Clay loamy
6	Bulk Density	gm/cc	1.29	1.25	1.27
7	Calcium (as Ca)	mg/kg	455	372	315
8	Magnesium (as Mg)	mg/kg	235	192	182
9	Organic Carbon	%	1.36	1.62	1.7

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10	Nitrogen (as N)	kg/hect	112	172	148
11	Phosphorus (as p)	kg/hect	45	36	44
12	Potassium (as K)	mg/kg	205	180	175
13	Chloride(as Cl)	mg/kg	118	120	116
14	Manganese (as Mn)	mg/kg	9.2	4.6	5.1
15	Iron (as Fe)	%	2.42	1.64	1.6

End of test report



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Report No –BMS/22/SML-Loidapada/312

Issued Date-08.11.2022

STACK EMISSION MONITORING TEST REPORT

Client Name & Address	M/s Sree Metalliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	Flue Gas
Sampling Location	St-1 DRI 1 & 2 Latitude 21°59'28.66"N & Longitude 85°19'35.76"E St-2 DRI 3 & 4 Latitude 21°59'26.74"N & Longitude 85°19'38.33"E St-3 DRI 5 & 6 Latitude 21°59'26.95"N & Longitude 85°19'38.80"E St-4 DRI 7 Latitude 21°59'36.67"N & Longitude 85°19'66.06"E
Sampling By	BIOME's Representative
Instrument Used	Stack Kit
Date of Sampling	18.10.2022
Date of Receiving	19.10.2022
Date of Analysis	19.10.2022-20.10.2022

ANALYSIS RESULT

Sl. No	Items	Testing Method	As per CPCB Standard	Result			
				St-1	St-2	St-3	St-4
01	Flue Gas Temp. in K	IS-11255 (PART-3) 1985, (RA-2013)	---	394	395	393	392
02	Average flue gas Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	---	12.7	12.52	12.98	12.88
03	Flow Rate in mg/Nm ³	IS-11255 (PART-3) 1985, (RA-2013)	---	19257.5	46997.1	49221.0	77673.0
04	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	100	58.4	40.6	34.2	45.3
05	Pbar in mmHg		---	690	690	690	690
06	SO ₂ in mg/Nm ³	IS-11255(PART-2) 1985, (RA-2019)	600	53.5	57.2	56.4	47.6

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07	NOx in mg/Nm ³	IS-11255(PART-2) 1985	300	45.6	48.1	42.2	39.2
08	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2	<0.2	<0.2	<0.2
09	CO ₂ in %	IS-13270:1992, (RA-2019)	---	2.1	2.2	2.1	1.9

Note-PBar & NOx are not under NABL Scope




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Report No –BMS/22/SML-Loidapada/313

Issued Date-08.11.2022


SURFACE WATER MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	SURFACE WATER
Sampling Location	SWI- Nala Near Plant; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E
Sampling By	BIOME's Representative
Date of Sampling	20.10.2022
Date of Receiving	21.10.2022
Date of Analysis	21.10.2022-24.10.2022

ANALYSIS RESULT

Sl. No.	Parameters	Unit	Standard as per IS-2296 Class-C	SWI
1	pH	---	6.0-9.0	7.24
2	Colour	Hazen	300	50
3	Conductivity			176.4
4	Turbidity	NTU	--	5.0
5	Chloride (as Cl)	mg/l	600	13
6	Total Dissolved Solid	mg/l	1500	108
7	Chemical Oxygen Demand as COD	mg/l	--	8.6
8	Hexavalent Chromium (as Cr+6)	mg/l	0.05	<0.05
9	Fluoride (as F)	mg/l	1.5	0.07
10	Sulfate (as SO ₄)	mg/l	400	4.6
11	Iron (as Fe)	mg/l	0.5	0.35
12	Nitrate (as NO ₃)	mg/l	50	1.32




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Report No –BMS/22/SML-Loidapada/314

Issued Date-08.11.2022

SURFACE WATER MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/BBL/ENV/WO/205/22-23; 24.09.2022
Nature of Sampling	SURFACE WATER
Sampling Location	SW1-Nala Near Plant; Latitude 21°59'35.29"N & Longitude 85°19'10.86"E
Sampling By	BIOME's Representative
Date of Sampling	20.10.2022
Date of Receiving	21.10.2022
Date of Analysis	21.10.2022-24.10.2022

ANALYSIS RESULT

Sl. No.	Parameters	Unit	Standard as per IS-2296 Class-C	SW1
13	Dissolved Oxygen (min)	mg/l	4	6.4
14	Oil & Grease (max)	mg/l	--	ND
15	BOD (3) days at 27°C (max)	mg/l	3.0	<2.0
16	Arsenic as As (max)	mg/l	0.2	<0.001
17	Lead as Pb (max)	mg/l	0.1	<0.01
18	Cadmium as Cd (max)	mg/l	0.01	<0.001
19	Copper as Cu (max)	mg/l	1.5	<0.03
20	Zinc as Zn(max)	mg/l	15	<0.05
21	Selenium as Se (max)	mg/l	0.05	<0.001

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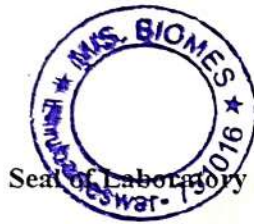
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22	Cyanide as CN (max)	mg/l	0.05	<0.2
23	Phenolic Compounds as C ₆ H ₅ OH (max)	mg/l	0.005	<0.001
24	Total Coliform	MPN/100 ml	5000	900

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