ENVIRONMENT MONITORING REPORT OF MONTH AUGUST-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



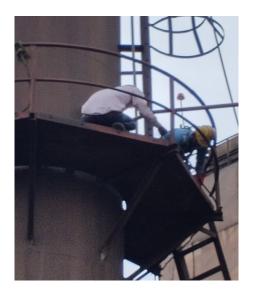






PHOTOGRAPHS OF ENVIRONMENT MONITORING











ENVIRONMENTAL CONSULTANT & NABL (ISO/IEC 17025;2017) ACCREDITED LABORATORY





Report No -BMS/22/SML/167

Issued Date-07.09.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name &Address	M/s Srce Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
Nature of Sampling	Ambient Air Sample
Sampling Location &	A COL N
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/m³)	PM2.5 (μg/m³)	SO ₂ (μg/m³)	NOx (μg/m³)
01.08.2022	63.4	32.4	12.8	18.2
04.08.2022	66.2	33.9	13.2	19.4
08.08.2022	53.1	25.9	9.4	13.6
11.08.2022	48.6	23.7	8.1	12.8
15.08.2022	44.2	21.8	6.2	10.2
18.08.2022	49.6	25.2	8.9	13.4
22.08.2022	.08.2022 55.2 28.6 10		10.2	16.2
25.08.2022	48.6	23.6	8.6	12.6
29.08.2022	. 50.3	26.1	9.7	14.4
NAAQ* Standard	100	60	80	80
Methods of Analysis	1S:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)



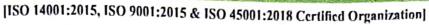
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ENVIRONMENTAL CONSULTANT & NABL (ISO/IEC 17025:2017) ACCREDITED LABORATORY





Report No -BMS/22/SML/168

Issued Date-07.09.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha		
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022		
Nature of Sampling	Ambient Air Sample		
Sampling Location &	LIGANIA DI		
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/m³)	PM2.5 (μg/m³)	SO ₁ (μg/m³)	NOx (μg/m³)	
01.08.2022	54.6	27.8	7.8	13.5	
04.08.2022	59.2	30.2	9.1	14.2	
08.08.2022	48.5	23.6	6.2	11.1	
11.08.2022	42.4	20.4	5.4	10.4	
15.08.2022	40.1	19.5	4.8	9.8	
18.08.2022	44.6	21.7	5.2	10.8	
22.08.2022	48.2	24.2	6.1	11.6	
25.08.2022	44.2	21.8	5.4	10.2	
29.08.2022	47.6	23.4	6.6	11.8	
NAAQ* Standard	100	60	80	80	
Methods of Analysis	1S:5182 (Part-23)	IS:5182 (Part-24)	1S:5182 (Part-2)	IS:5182 (Part-6)	



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ENVIRONMENTAL CONSULTANT & NABL (ISO/IEC 17025:2017) ACCREDITED LABORATORY





Report No -BMS/22/SML/169

Issued Date-07.09.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
Nature of Sampling	Ambient Air Sample
Sampling Location &	
Coordinates	AAQ3- Village Rugudihi: 21°59'50.80"N Latitude & 85°19'20.16"ELongitude
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

Date Of Sampling	PM10 (μg/m³)	PM2.5 (μg/m³)	SO ₂ (μg/m³)	NOx (μg/m³)
01.08.2022	54.2	27.4	4.9	10.8
04.08.2022	56.8	28.6	5.1	11.3
08.08.2022	46.2	23.1	<4.0	<9.0
11.08.2022	39.1	18.7	<4.0	<9.0
15.08.2022	36.7	17.5	<4.0	<9.0
18.08.2022	40.2	19.1	<4.0	<9.0
22.08.2022	44.6	21.1	<4.0	<9.0
25.08.2022	41.5	19.6	<4.0	<9.0
29.08.2022	46.9	22.6	<4.0	<9.0
NAAQ* Standard	100	60	80	80
Methods of Analysis	IS:5182 (Part-23)	1S:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)



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

Report No -BMS/22/SML/170

Issued Date-07.09.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No. / Date	SML/ENV/WO/107/22-23; 30.06.2022
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/m³)	PM2.5 (μg/m³)	SO ₂ (μg/m³)	NOx (μg/m³)
01.08.2022	49.2	24.2	<4.0	<9.0
04.08.2022	50.6	25.6	<4.0	<9.0
08.08.2022	42.8	20.2	<4.0	<9.0
11.08.2022	35.6	17.2	<4.0	<9.0
15.08.2022	33.4	16.4	<4.0	<9.0
18.08.2022	37.2	18.2	<4.0	<9.0
22.08.2022	40.5	18.8	<4.0	<9.0
25.08.2022	39.6	18.5	<4.0	<9.0
29.08.2022	43.4	21.3	<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)	1S:5182 (Part-6)



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

Report No -BMS/22/SML/171

Issued Date-07.09.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

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Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
Nature of Sampling	Amblent 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/m³)	CO (mg/m³)	CO (mg/m³)	CO (mg/m³)	
01.08.2022	0,53	0.37	0.33	0.27	
04.08.2022	0.55	0.39	0.35	0.28	
08.08.2022	0.42	0.32	0.29	0.23	
11.08.2022	0.35	0.3 0.27		0.21	
15.08.2022 18.08.2022	0.32	0.27	0.25	0.2	
	0.39	0.29	0.27	0.23	
22.08.2022	0.42	0.34	0.29	0.25	
25.08.2022	0.36	0.3	0.26	0.23	
29.08.2022	0.4	0.32	0.28	0.24	
NAAQ* Standard	4	4	4	4	
Methods of Analysis	IS: 5182 (Part-,10)	1S:5182 (Part-10)	IS:5182 (Part-10)	IS:5182 (Part-10)	



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

Report No -BMS/22/SML/172

Issued Date-07.09.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
Nature of Sampling	Ambient Air Sample
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler, Benzene Sampler
Date of Sampling	22.08.2022

Name of Location	Location	Ο _J (μg/m³)	NΠ ₃ (μg/m³)	Pb (μg/m³)	Ni (ng/m³)	As (ng/m³)	C ₆ H ₆ (µg/m³)	BaP (ng/m³)
AAQ-I	Near Admin Office	<8.0	<20.0	<0.06	<0.6	<0.44	<5	<1
AAQ-2	Near Dispensary	<8.0	<20.0	<0.06	<0.6	<0.44	<5	<i< td=""></i<>
AAQ-3	Village Rugudihi	<8.0	<20.0	<0.06	<0.6	<0.44	<5	<u> </u>
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)	1S:5182 (Part-22)	IS:5182 (Part-26)	As per CPCB method followed by AAS	IS:5182 (Part-I1)	IS:5182 (Part-12)



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Report No -BMS/22/SML/173

Issued Date-07.09.2022

FUGITIVE MONITORING TEST REPORT

Client Name &Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
Nature of Sampling	AAQ-Fugitive Dust Sample
Sampling By	BIOME's Representative
Instrument Used	Respirable Dust Sampler

SI. No.	Name of Location	Latitude	Longitude	Date of	Result
				Sampling	
1	Near Main Gate	21°59'36.61"N	85°19'27.95"E	17.08.2022	465.8
2	Near Crushing Plant	21°59'27.80"N	85°19'38.89"E	17.08.2022	592.4
3	Near Power Plant	21°59'27.87"N	85°19'30.78"E	17.08.2022	576.4
4	Near SMS - 1	21°59'23.62"N	85°19'37.62"E	17.08.2022	428.6
5	Near SMS - 2	21°59'36.28"N	85°19'34.16"E	19.08.2022	542.8
6	Near Blast Furnace	21°59'23.15"N	85°19'32.77"E	19.08.2022	618.6
7	Near Milling Role-1	21°59'23.96"N	85°19'39.63"E	19.08.2022	554.8
8	Near Milling Role-2	21°59'39.20"N	85°19'36.15"E	19.08.2022	579.3
Fugitive					1200
Standard			13		
Methods of					IS:5182
Analysis	i i				(Part-24)



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

Report No-BMS/22/SML/174

Issued Date-07.09.2022

AMBIENT NOISE LEVEL MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha					
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022					
Nature of Sampling	Ambient Noise					
Sampling Location	N1-Near Admin Office; Latitude21°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	16.08.2022					
Date of Receiving	17.08.2022					

TIME (6.00AM to 10.00PM)	N-1	N-2	N-3	N-4
Avg.	65.6	45.8	48.1	46.8
Standard as per CPCB	75.0		55.0	ni-
Night time Noise mor	itoring results	Noise Level in dB	(A)	
TIME (10.00PM 10 6.00AM)	N-1	N-2	N-3	N-4
Avg.	48.2	36.4	36.2	36.2
Standard as per CPCB	70.0	~	45.0	



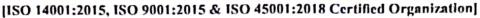
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Report No -BMS/22/SML/175

Issued Date-07.09.2022

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WORK ZONE NOISE LEVEL MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
Nature of Sampling	Work Zone Noise
Sampling Location	N1- Near Main Gate; Latitude21°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; Latitude21°59'23.15"N & Longitude 85°19'32.77"E N7- Near Milling Role-1; Latitude21°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	17-18.08.2022
Date of Receiving	18.08.2022

TIME (6.00AM to 10.00PM)	N-1	N-2	N-3	N-4	N-5	N-6	N-7	N-8
Avg.	71.4	71.8	69.2	68.8	69.4	69.6	70.1	69.7
Standard as per CPCB				75.0				
Night time Noise me	onitoring res	ults Noise Lev	el 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.	64.6	68.1	64.1	61.9	61.2	65.1	66.4	66.2

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

Report No -BMS/22/SML/177

Issued Date-07.09.2022

STACK EMISSION MONITORING TEST REPORT

Client Name & Address	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha
Work Order No./ Date	SML/ENV/WO/107/22-23; 30.06.2022
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-3DRI 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	26 & 27.08.2022
Date of Receiving `	26.08.2022
Date of Analysis	27.08.2022

ANALYSIS RESULT

SI.	Items	Testing Method	As per CPCB	Result				
			Standard	St-1	St-2	St-3	St-4	
01	Flue Gas Temp. in K	IS-11255 (PART- 3) 1985, (RA- 2013)		392	398	394	395	
02	Average flue gas Velocity in m/sec	IS-11255 (PART- 3) 1985, (RA- 2013)		12.87	12.48	12.62	13.09	
03	Flow Rate in mg/Nm³	IS-11255 (PART- 3) 1985, (RA- 2013)	<u>-</u>	25933.7	61424.3	62536.2	103051.1	
04	Particulate Matter (PM) in mg/Nm³	IS-11255(PART- 1) 1985, (RA- 2014) Gravimetric Method	100 (50- AFBC Boiler)	54.2	42.6	40.8	46.5	
05	Pbar in mmHg			690	690	690	690	
06	SO ₂ in mg/Nm ³	IS-11255(PART- 2) 1985, (RA- 2019)	600	51.6	57.4	56.8	48.2	



ENVIRONMENTAL CONSULTANT & NABL (ISO/IEC 17025:2017) ACCREDITED LABORATORY)



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

07	NOx in mg/Nm3	IS-11255(PART- 2) 1985	300	39.2	46.4	44.1	36.9
08	CO in %	IS-13270:1992, (RA-2019)	1%	<0.2	<0.2	<0.2	<0.2
09	CO2 in %	IS-13270:1992, (RA-2019)		1.9	2.8	2.4	1.8

Note-PBar & NOx are not under NABL Scope



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