

**ENVIRONMENT MONITORING
REPORT OF
MONTH MARCH-2023**



**Client- M/s SREE METALIKS LTD.
Address- Loidapada, Dist-Barbil,
Keonjhar, Odisha**

**Monitored By - EHS360 Labs Pvt. Ltd.
Address- No.8,50th Street,7th Avenue,
Chennai, Tamil Nadu**



NABL Certificate No:- TC-9583

PHOTOGRAPHS OF ENVIRONMENT MONITORING





LABS

TEST REPORT

Report No	EHS360/TR/2022-23/024	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/024
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	Near Admin Office: 21°59'26.41"N & 85°19'39.29"E		

Date Of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
02.03.2023	87.2	46.5	18.8	28.4	0.72
06.03.2023	84.6	45.2	18.2	27.8	0.7
09.03.2023	86.4	46.2	19.1	28.5	0.71
13.03.2023	83.8	42.8	18.2	27.4	0.69
16.03.2023	70.8	36.4	14.4	19.2	0.51
20.03.2023	72.5	37.5	14.9	19.8	0.52
23.03.2023	78.6	39.4	15.4	21.6	0.58
27.03.2023	75.6	38.5	14.4	20.2	0.54
30.03.2023	70.4	36.4	12.8	18.2	0.51
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)

Note: NAAQ – National Ambient Air Quality; Instrument Used: Respirable Dust Sampler (RDS),
Fine Particulate Sampler (FPS).

*****End of Report*****

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Authorised Signatory

Name: Santhosh Kumar A
Designation : Quality Manager



LABS

TEST REPORT

Report No	EHS360/TR/2022-23/025	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/025
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	Near Dispensary: 21°59'33.80"N & 85°19'24.18"E		

Date Of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
02.03.2023	62.8	31.4	11.2	18.4	0.51
06.03.2023	63.9	32.1	11.6	18.8	0.53
09.03.2023	60.1	30.8	10.8	18.2	0.52
13.03.2023	59.6	30.2	10.6	17.5	0.5
16.03.2023	55.2	28.6	10.2	16.6	0.47
20.03.2023	53.2	26.8	10.5	17.1	0.48
23.03.2023	57.2	28.9	10.2	16.4	0.46
27.03.2023	55.6	28.6	8.5	15.2	0.47
30.03.2023	51.2	25.8	7.2	13.8	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)

Note: NAAQ – National Ambient Air Quality; Instrument Used: Respirable Dust Sampler (RDS),
Fine Particulate Sampler (FPS).

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A-57

Name: Santhosh Kumar A
Designation: Quality Manager



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TEST REPORT

Report No	EHS360/TR/2022-23/026	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/026
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	Village Rugudihi: 21°59'50.80"N & 85°19'20.16"E		

Date Of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
02.03.2023	67.2	34.5	9.8	16.9	0.56
06.03.2023	64.6	32.4	9.5	16.5	0.54
09.03.2023	61.8	31.2	8.8	15.2	0.52
13.03.2023	60.6	30.8	8.5	14.6	0.48
16.03.2023	52.8	26.6	5.8	12.4	0.45
20.03.2023	50.1	25.4	6.2	13.2	0.46
23.03.2023	55.2	28.2	6.9	14.1	0.48
27.03.2023	53.7	27.6	6.6	13.6	0.46
30.03.2023	50.6	25.2	5.6	12.2	0.42
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)

Note: NAAQ – National Ambient Air Quality; Instrument Used: Respirable Dust Sampler (RDS),
Fine Particulate Sampler (FPS).

*****End of Report*****



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Name: Santhosh Kumar A
Designation: Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/027	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/027
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	Village Lohidapada: 21°59'35.97"N & 85°19'08.86"E		

Date Of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
02.03.2023	60.7	30.9	6.2	13.5	0.44
06.03.2023	62.4	31.4	6.5	14.2	0.45
09.03.2023	59.6	30.1	6.1	13.6	0.43
13.03.2023	58.2	29.7	5.8	12.8	0.42
16.03.2023	55.6	28.2	5.5	12.4	0.4
20.03.2023	53.6	27.1	5.6	12.6	0.4
23.03.2023	56.4	28.2	5.9	13.4	0.43
27.03.2023	54.2	27.6	5.2	11.6	0.4
30.03.2023	52.4	26.4	4.8	10.4	0.39
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)

Note: NAAQ – National Ambient Air Quality; Instrument Used: Respirable Dust Sampler (RDS),
Fine Particulate Sampler (FPS).

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Name: Santhosh Kumar A

Designation: Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/028	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/028
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good

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	10.4	28.2	<0.06	<0.6	<0.44	<5	<1
AAQ-2	Near Dispensary	9.6	24.2	<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)

Note: NAAQ – National Ambient Air Quality; Instrument Used: Respirable Dust Sampler (RDS),
Fine Particulate Sampler (FPS).

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TEST REPORT

Report No	EHS360/TR/2022-23/029	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 11255	Sample Drawn by	Laboratory
Sample Name	Stack Emission Monitoring	Sample Code	EHS360/0029
Sample Description	Flue Gas	Sample Collected Date	21.03.2023
Sample Condition	Fit for Analysis	Test Completed On	24.03.2023
Sampling Locations	St-1; Stack Attached to DRI 1 & 2 20°59'28.66"N & 85°19'35.76"E St-2; Stack Attached to DRI 3 & 4 20°59'26.74"N & 85°19'38.33"E St-3; Stack Attached to DRI 5 & 6 20°59'26.95"N & 85°19'38.80"E St-4; Stack Attached to DRI 7 20°59'27.67"N & 85°19'31.06"E St-5; Stack Attached to ABC Boiler 20°59'27.67"N & 85°19'31.06"E		

Sl. No	Parameters	Testing Method	Result				
			St-1	St-2	St-3	St-4	St-5
01	Flue Gas Temp. in K	IS-11255 (PART-3) 1985, (RA-2013)	395	396	393	396	423
02	Average flue gas Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	12.46	12.5	12.61	13.28	12.49
03	Flow Rate in mg/Nm ³	IS-11255 (PART-3) 1985, (RA-2013)	19232.3	47917.9	49080.5	36288.5	67772.8
04	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	39.2	35.4	36.2	41.8	46.2
05	Pbar in mmHg	-	690	690	690	690	690
06	SO ₂ in mg/Nm ³	IS-11255(PART-2) 1985, (RA-2019)	54.6	52.8	55.6	47.2	123.4
07	NO _x in mg/Nm ³	IS-11255(PART-2) 1985	45.6	51.5	47.2	43.6	72.3
08	CO in %	IS-13270:1992, (RA-2019)	<0.2	<0.2	<0.2	<0.2	<0.2
09	CO ₂ in %	IS-13270:1992, (RA-2019)	2.4	1.9	2.1	1.3	2.4

Instruments Used: Flue Gas Analyser.

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Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/030	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 9989	Sample Drawn by	Laboratory
Sample Name	Noise Level Monitoring	Sample Code	EHS360/030
Sample Description	Ambient Noise	Sample Collected Date	13.03.2023
Qty. of Sample Received	-	Sample Received On	14.03.2023
Sample Condition	Good	Test Commenced On	15.03.2023
Sampling Location	-	Test Completed On	17.03.2023

S.No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near Admin Office; Latitude 21°59'26.41"N & Longitude 85°19'39.29"E	51.8	51.8
2	Near Dispensary; Latitude 21°59'33.80"N & Longitude 85°19'24.18"E	49.6	40.2
3	Village Rugudi; Latitude 21°59'50.80"N & Longitude 85°19'20.16"E	49.1	38.2
4	Village Lohidapada; Latitude 21°59'35.97"N & Longitude 85°19'08.86"E	49.8	37.9
Industrial Zone permissible limits as per TNPCB Norms		Day Time -75 dB(A)	Night Time -70 dB(A)

Note: Instrument Used: Sound Level Meter.

REMARKS: The above sample complies with TNPCB norms with respect to the above tested Parameters.

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Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/031	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 9989	Sample Drawn by	Laboratory
Sample Name	Noise Level Monitoring	Sample Code	EHS360/031
Sample Description	Work Zone Noise	Sample Collected Date	14.03.2023
		Sample Collected Date	15.03.2023
Qty. of Sample Received	-	Sample Received On	16.03.2023
Sample Condition	Good	Test Commenced On	16.03.2023
Sampling Location	-	Test Completed On	18.03.2023

S.No.	Locations	Day Time	Night Time
		Results in dB(A)	
1	Near Main Gate; Latitude 21°59'36.61"N & Longitude 85°19'27.95"E	70.9	67.1
2	Near Crushing Plant; Latitude 21°59'27.80"N & Longitude 85°19'38.89"E	71.6	68.6
3	Near Power Plant; Latitude 21°59'27.87"N & Longitude 85°19'30.78"E	70.8	67.6
4	Near SMS - 1; Latitude 21°59'23.62"N & Longitude 85°19'37.62"E	70.8	67.1
5	Near SMS - 2; Latitude 21°59'36.28"N & Longitude 85°19'34.16"E	70.9	66.9
6	Near Blast Furnace; Latitude 21°59'23.15"N & Longitude 85°19'32.77"E	71.5	68.6
7	Near Rolling Mill-1; Latitude 21°59'23.96"N & Longitude 85°19'39.63"E	71.4	68.8
8	Near Rolling Mill-2; Latitude 21°59'39.20"N & Longitude 85°19'36.15"E	71.1	68.2
Industrial Zone permissible limits as per TNPCB Norms		Day Time -75 dB(A)	Night Time -70 dB(A)

Note: Instrument Used: Sound Level Meter.

REMARKS: The above sample complies with TNPCB norms with respect to the above tested Parameters.

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Name: Santhosh Kumar A
Designation: Quality Manager



LABS

TEST REPORT

Report No	EHS360/TR/2022-23/032	Report Date	06.04.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS 5182	Sample Drawn by	Laboratory
Sample Description	Fugitive Dust Sample	Sample Code	EHS360/032
		Sample Condition	Good

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	14.03.2023	842.1
2	Near Crushing Plant	21°59'27.80"N	85°19'38.89"E	14.03.2023	875.6
3	Near Power Plant	21°59'27.87"N	85°19'30.78"E	14.03.2023	804.6
4	Near SMS - 1	21°59'23.62"N	85°19'37.62"E	14.03.2023	782.4
5	Near SMS - 2	21°59'36.28"N	85°19'34.16"E	21.03.2023	874.1
6	Near Blast Furnace	21°59'23.15"N	85°19'32.77"E	21.03.2023	728.6
7	Near Rolling Mill-1	21°59'23.96"N	85°19'39.63"E	21.03.2023	904.5
8	Near Rolling Mill-2	21°59'39.20"N	85°19'36.15"E	21.03.2023	862.5
Fugitive Standard					1200
Methods of Analysis				IS:5182 (Part-24)	

Instrument Used: Respirable Dust Sampler (RDS)

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Name: Santhosh Kumar A

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