

**ENVIRONMENT MONITORING
REPORT OF
MONTH APRIL-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



TEST REPORT

Report No	EHS360/TR/2022-23/033	Report Date	04.05.2023
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	EHS360/033
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)
03.04.2023	74.8	38.5	14.4	21.6	0.54
06.04.2023	78.2	40.6	16.2	23.2	0.58
10.04.2023	80.8	42.8	16.8	25.4	0.62
13.04.2023	86.4	45.6	18.4	27.6	0.65
17.04.2023	85.6	45.8	19.8	28.8	0.68
20.04.2023	89.2	50.5	20.6	30.5	0.71
24.04.2023	80.6	42.4	18.2	28.2	0.68
27.04.2023	84.2	44.9	18.8	29.4	0.7
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

A-S7

Name: Santhosh Kumar A
Designation: Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/034	Report Date	04.05.2023
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	EHS360/034
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 (µg/m ³)	PM2.5 (µg/m ³)	SO ₂ (µg/m ³)	NOx (µg/m ³)	CO (mg/m ³)
03.04.2023	52.6	27.2	7.6	14.6	0.46
06.04.2023	54.2	28.8	8.4	15.6	0.48
10.04.2023	58.6	30.2	9.5	17.4	0.5
13.04.2023	61.4	32.6	10.2	18.6	0.52
17.04.2023	65.5	34.2	10.8	19.2	0.54
20.04.2023	64.1	33.9	10.6	18.6	0.53
24.04.2023	62.6	32.8	9.8	17.4	0.52
27.04.2023	61.7	32.5	9.6	17.2	0.52
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/2022-23/035	Report Date	04.05.2023
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	EHS360/035
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)
03.04.2023	53.4	26.9	5.9	12.8	0.44
06.04.2023	52.8	26.6	6.1	13.8	0.46
10.04.2023	55.8	28.4	6.6	14.2	0.48
13.04.2023	57.2	29.5	7.5	15.1	0.49
17.04.2023	62.4	31.8	8.4	16.2	0.51
20.04.2023	60.8	31.2	7.9	15.6	0.5
24.04.2023	59.9	30.6	8.1	16.2	0.51
27.04.2023	60.5	31.2	8.3	16.5	0.52
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/2022-23/036	Report Date	04.05.2023
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	EHS360/036
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)
03.04.2023	54.6	27.6	5.2	11.8	0.42
06.04.2023	55.6	28.7	5.6	12.8	0.44
10.04.2023	58.2	29.9	6.4	13.7	0.47
13.04.2023	61.2	32.5	7.2	14.8	0.48
17.04.2023	65.6	34.2	8.5	15.8	0.5
20.04.2023	62.2	32.6	8.1	15.4	0.48
24.04.2023	56.6	28.8	7.6	14.8	0.47
27.04.2023	59.5	30.4	7.9	15.6	0.49
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/2022-23/037	Report Date	04.05.2023
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	EHS360/037
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
		Sampling Date	17.04.2023

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	12.8	30.4	<0.06	<0.6	<0.44	<5	<1
AAQ-2	Near Dispensary	9.8	26.1	<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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Name: Santhosh Kumar A
Designation: Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/038	Report Date	04.05.2023
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	EHS360/038
Sample Description	Flue Gas	Sample Condition	Good
Date of Sampling	10.04.2023	Date Receiving	11.04.2023
Date of Analysis	12.04.2023	Date of Complete	15.04.2023
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 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
01	Flue Gas Temp. in K	IS-11255 (PART-3) 1985, (RA-2013)	396	393	397	398
02	Average flue gas Velocity in m/sec	IS-11255 (PART-3) 1985, (RA-2013)	12.93	13.02	12.23	12.88
03	Flow Rate in mg/Nm ³	IS-11255 (PART-3) 1985, (RA-2013)	49088.19 22	50187.40 82	18446.4 099	76343.48 93
04	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	38.2	32.6	40.4	45.2
05	Pbar in mmHg	-	690	690	690	690
06	SO ₂ in mg/Nm ³	IS-11255(PART-2) 1985, (RA-2019)	56.8	54.2	54.8	45.4
07	NO _x in mg/Nm ³	IS-11255(PART-2) 1985	46.2	50.2	46.4	42.8
08	CO in %	IS-13270:1992, (RA-2019)	<0.2	<0.2	<0.2	<0.2
09	CO ₂ in %	IS-13270:1992, (RA-2019)	2.2	2.1	2.2	1.9

Instruments Used: Flue Gas Analyser.

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

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Name: Santhosh Kumar A
Designation: Quality Manager

TEST REPORT

Report No	EHS360/TR/2022-23/039	Report Date	04.05.2023
Issued To	<i>M/s Sree Metaliks Ltd</i> , Loidapada, Dist- Barbil, Keonjhar, Odisha.		
Customer Name	<i>M/s Sree Metaliks Ltd</i>		
Sampling Method	IS 9989	Sample Drawn by	Laboratory
Sample Name	Noise Level Monitoring	Sample Code	EHS360/039
Sample Description	Ambient Noise	Sample Condition	Good
Sample Collected Date	12.04.2023	Sample Received On	13.04.2023
Test Commenced On	13.04.2023	Test Completed On	16.04.2023

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	66.2	52.4
2	Near Dispensary; Latitude 21°59'33.80"N & Longitude 85°19'24.18"E	49.2	39.8
3	Village Rugudi; Latitude 21°59'50.80"N & Longitude 85°19'20.16"E	48.6	38.5
4	Village Lohidapada; Latitude 21°59'35.97"N & Longitude 85°19'08.86"E	48.6	38.2
Industrial Zone permissible limits as per TNPCB Norms		Day Time -75 dB(A)	Night Time -70 dB(A)

Note: Instrument Used: Sound Level Meter.

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



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Name: Santhosh Kumar A
Designation: Quality Manager

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



LABS

TEST REPORT

Report No	EHS360/TR/2022-23/040	Report Date	04.05.2023
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	EHS360/040
Sample Description	Work Zone Noise	Sample Condition	Good
Sample Collected Date	13-14.04.2023	Sample Received On	15.04.2023
Test Commenced On	15.04.2023	Test Completed On	18.04.2023

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	71.2	67.6
2	Near Crushing Plant; Latitude 21°59'27.80"N & Longitude 85°19'38.89"E	71.2	68.6
3	Near Power Plant; Latitude 21°59'27.87"N & Longitude 85°19'30.78"E	70.7	67.8
4	Near SMS - 1; Latitude 21°59'23.62"N & Longitude 85°19'37.62"E	70.9	67.6
5	Near SMS - 2; Latitude 21°59'36.28"N & Longitude 85°19'34.16"E	71.2	67.4
6	Near Blast Furnace; Latitude 21°59'23.15"N & Longitude 85°19'32.77"E	71.7	68.8
7	Near Rolling Mill-1; Latitude 21°59'23.96"N & Longitude 85°19'39.63"E	71.6	68.5
8	Near Rolling Mill-2; Latitude 21°59'39.20"N & Longitude 85°19'36.15"E	71.4	68.6
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.

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



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A-57
Name: Santhosh Kumar A
Designation: Quality Manager



LABS

TEST REPORT

Report No	EHS360/TR/2022-23/041	Report Date	04.05.2023
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	EHS360/041
		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	14.04.2023	875.6
2	Near Crushing Plant	21°59'27.80"N	85°19'38.89"E	14.04.2023	922.5
3	Near Power Plant	21°59'27.87"N	85°19'30.78"E	14.04.2023	854.5
4	Near SMS - 1	21°59'23.62"N	85°19'37.62"E	14.04.2023	842.3
5	Near SMS - 2	21°59'36.28"N	85°19'34.16"E	21.04.2023	970.1
6	Near Blast Furnace	21°59'23.15"N	85°19'32.77"E	21.04.2023	978.2
7	Near Rolling Mill-1	21°59'23.96"N	85°19'39.63"E	21.04.2023	964.5
8	Near Rolling Mill-2	21°59'39.20"N	85°19'36.15"E	21.04.2023	984.6
Fugitive Standard					1200
Methods of Analysis				IS:5182 (Part-24)	

Instrument Used: Respirable Dust Sampler (RDS)

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

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Name: Santhosh Kumar A
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