

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



**Client- M/s SREE METALIKS LTD.
Address- Loidapada, Barbil
Dist-, 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/2023-24/066	Report Date	10.08.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/066
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	Near Admin Office:21°59'26.41"N Latitude & 85°19'39.29"E Longitude		

Date Of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
03.07.2023	62.8	31.2	9.2	14.2	0.38
06.07.2023	65.6	32.5	10.2	15.6	0.4
10.07.2023	61.3	30.8	9.6	14.8	0.39
13.07.2023	60.4	30.1	8.8	14.1	0.37
17.07.2023	59.2	29.6	8.2	13.4	0.32
20.07.2023	58.6	29.1	7.8	12.6	0.3
24.07.2023	60.1	29.8	8.5	13.8	0.32
27.07.2023	62.6	31.1	8.9	14.6	0.35
31.07.2023	56.1	28.2	7.9	13.2	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)

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

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

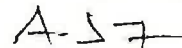
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Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2023-24/067	Report Date	10.08.2023
Issued To	M/s Sree Metaliks Ltd, Loidapada, Dist-Barbil, Keonjhar, Odisha.		
Customer Name	M/s Sree Metaliks Ltd		
Sampling Method	IS5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/067
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	NearDispensary:21°59'33.80"N Latitude & 85°19'24.18"E Longitude		

Date Of Sampling	PM10 (µg/m ³)	PM2.5 (µg/m ³)	SO2 (µg/m ³)	NOx (µg/m ³)	CO (mg/m ³)
03.07.2023	45.5	22.4	4.9	9.6	0.3
06.07.2023	42.5	20.6	4.2	9.2	0.28
10.07.2023	40.2	19.6	<4.0	<9.0	0.24
13.07.2023	39.2	18.5	<4.0	<9.0	0.2
17.07.2023	37.6	18.1	<4.0	<9.0	0.19
20.07.2023	38.2	18.6	<4.0	<9.0	0.21
24.07.2023	37.5	16.8	<4.0	<9.0	0.18
27.07.2023	35.4	16.2	<4.0	<9.0	0.18
31.07.2023	36.2	17.2	<4.0	<9.0	0.17
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: BDL –Below Detection Limit; DL– Detection Limit; NAAQ– National Ambient Air Quality; Instrument Used: Respirable Dust Sampler (RDS), Fine Particulate Sampler (FPS).

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

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A-57

Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2023-24/068	Report Date	10.08.2023
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	IS5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/068
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	VillageRugudihi:21°59'50.80"N Latitude & 85°19'20.16"E Longitude		

Date Of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
03.07.2023	42.5	20.6	4.2	9.2	0.26
06.07.2023	40.4	19.6	<4.0	<9.0	0.22
10.07.2023	38.2	18.6	<4.0	<9.0	0.2
13.07.2023	35.2	16.7	<4.0	<9.0	0.19
17.07.2023	33.8	16.1	<4.0	<9.0	0.18
20.07.2023	30.8	15.1	<4.0	<9.0	0.16
24.07.2023	33.6	15.8	<4.0	<9.0	0.18
27.07.2023	30.2	15.2	<4.0	<9.0	0.15
31.07.2023	29.4	14.2	<4.0	<9.0	0.14
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: BDL –Below Detection Limit; DL– Detection Limit; 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/2023-24/069	Report Date	10.08.2023
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	IS5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/069
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
Sampling Location & Coordinates	Village Lohidapada: 21°59'35.97"N Latitude & 85°19'08.86"E Longitude		

Date Of Sampling	PM10 (µg/m ³)	PM2.5 (µg/m ³)	SO2 (µg/m ³)	NOx (µg/m ³)	CO (mg/m ³)
03.07.2023	42.8	21.2	4.2	9.2	0.27
06.07.2023	39.6	19.2	<4.0	<9.0	0.21
10.07.2023	37.8	18.4	<4.0	<9.0	0.2
13.07.2023	35.6	16.8	<4.0	<9.0	0.18
17.07.2023	32.2	15.9	<4.0	<9.0	0.16
20.07.2023	31.4	15.4	<4.0	<9.0	0.17
24.07.2023	34.2	16.2	<4.0	<9.0	0.19
27.07.2023	29.6	14.8	<4.0	<9.0	0.14
31.07.2023	29.8	14.4	<4.0	<9.0	0.14
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: BDL –Below Detection Limit; DL– Detection Limit; 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/2023-24/070	Report Date	10.08.2023
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	IS5182	Sample Drawn by	Laboratory
Sample Name	Air	Sample Code	EHS360/070
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good
		Sampling Date	17.07.2023

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	<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	<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: BDL –Below Detection Limit; DL– Detection Limit; 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/2023-24/071	Report Date	10.08.2023
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	IS11255	Sample Drawn by	Laboratory
Sample Name	Stack Emission Monitoring	Sample Code	EHS360/071
Sample Description	Flue Gas	Sample Condition	Fit for Analysis
Sample Collected Date	24.07.2023	Test Completed On	29.07.2023
Sampling Locations	St-1:Stack Attached to DRI 1&2; Latitude: 20°59'28.66"N & Longitude: 85°19'35.76"E St-2: Stack Attached to DRI 3&4; Latitude 20°59'26.74"N & Longitude: 85°19'38.33"E St-3: Stack Attached to DRI 5&6; Latitude: 20°59'26.95"N & Longitude: 85°19'38.80"E		

SI.No	Items	Testing Method	Result		
			St-1	St-2	St-3
01	Flue Gas Temp. in K	IS-11255(PART-3)1985, (RA-2013)	393	393	397
02	Average flue gas Velocity in m/sec	IS-11255(PART-3)1985, (RA-2013)	12.84	12.69	12.07
03	Flow Rate in mg/Nm ³	IS-11255(PART-3)1985, (RA-2013)	48529.413	47962.48	18026.6
04	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	45.6	35.2	34.6
05	Pbar in mm Hg		690	690	690
06	SO ₂ in mg/Nm ³	IS-11255(PART-2)1985, (RA-2019)	53.6	54.2	56.1
07	NO _x in mg/Nm ³	IS-11255(PART-2)1985	42.9	56.4	42.8
08	CO in%	IS-13270: 1992,(RA-2019)	<0.2	<0.2	<0.2
09	CO ₂ in%	IS-13270 : 1992,(RA-2019)	1.8	2.3	2.1

Instruments Used: Flue Gas Analyser.

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

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A.S.K

Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2023-24/072	Report Date	10.08.2023
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	IS11255	Sample Drawn by	Laboratory
Sample Name	Stack Emission Monitoring	Sample Code	EHS360/072
Sample Description	Flue Gas	Sample Collected Date	25.07.2023
Sample Condition	Fit for Analysis	Test Completed On	29.07.2023
Sampling Locations	St-4: Stack Attached to ABC Boiler; Latitude: 20°59'27.67"N & Longitude: 85°19'31.06"E St-5: ABC Boiler		

Sl.No	Items	Testing Method	Result	
			St-4	St-5
01	Flue Gas Temp. in K	IS-11255(PART-3)1985, (RA-2013)	395	394
02	Average flue gas Velocity in m/sec	IS-11255(PART-3)1985, (RA-2013)	12.81	12.35
03	Flow Rate in mg/Nm ³	IS-11255(PART-3)1985, (RA-2013)	76081.92	
04	Particulate Matter (PM) in mg/Nm ³	IS-11255(PART-1) 1985, (RA-2014) Gravimetric Method	44.1	42.8
05	Pbar in mm Hg		690	690
06	SO2 in mg/Nm ³	IS-11255(PART-2)1985, (RA-2019)	42.8	126.4
07	NOx in mg/Nm ³	IS-11255(PART-2)1985	45.6	80.2
08	CO in%	IS-13270: 1992,(RA-2019)	<0.2	<0.2
09	CO2in%	IS-13270 : 1992,(RA-2019)	1.8	1.9

Instruments Used: Flue Gas Analyser

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A-S7

Name : Santhosh Kumar A

Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2023-24/073	Report Date	10.08.2023
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	EHS360/073
Sample Description	Ambient Noise	Sample Condition	Good
Sample Collected Date	24.07.2023	Sample Received On	25.07.2023
Test Commenced On	25.07.2023	Test Completed On	27.07.2023

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	63.2	49.2
2	Near Dispensary; Latitude: 21°59'33.80"N & Longitude: 85°19'24.18"E	47.1	38.4
Industrial Zone permissible limits as per TNPCB Norms		Day Time– 75 dB(A)	Night Time– 70 dB(A)
3	Village Rugudi; Latitude: 21°59'50.80"N & Longitude: 85°19'20.16"E	47.5	37.1
4	Village Lohidapada; Latitude: 21°59'35.97"N & Longitude: 85°19'08.86"E	46.8	36.4
Residential Zone permissible limits as per TNPCB Norms		Day Time– 55 dB(A)	Night Time– 45 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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Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2023-24/074	Report Date	10.08.2023
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	EHS360/074
Sample Received On	24.07.2023	Test Commenced On	24.07.2023
Test Completed On	27.07.2023		
Sample Description	Work Zone Noise	Sample Condition	Good

SL.NO	Locations	Date Of Sampling	Day Time	Night Time
			Results in dB(A)	
1	Near Main Gate; Latitude: 21°59'36.61"N & Longitude: 85°19'27.95"E	21.07.2023	69.2	64.5
2	Near Crushing Plant; Latitude: 21°59'27.80"N & Longitude: 85°19'38.89"E	21.07.2023	69.5	66.2
3	Near Power Plant; Latitude: 21°59'27.87"N & Longitude: 85°19'30.78"E	21.07.2023	68.8	65.1
4	Near SMS - 1; Latitude: 21°59'23.62"N & Longitude: 85°19'37.62"E	21.07.2023	69.2	65.3
5	Near SMS - 2; Latitude: 21°59'36.28"N & Longitude: 85°19'34.16"E	22.07.2023	70.1	65.6
6	Near Blast Furnace; Latitude: 21°59'23.15"N & Longitude: 85°19'32.77"E	22.07.2023	70.2	66.8
7	Near Milling Role-1; Latitude: 21°59'23.96"N & Longitude 85°19'39.63"E	22.07.2023	70.1	66.4
8	Near Milling Role-2; Latitude 21°59'39.20"N& Longitude 85°19'36.15"E	22.07.2023	70.4	67.6
Industrial Zone permissible limits as per TNPCB Norms			Day Time- 75 dB(A)	Night Time- 70 dB(A)

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

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A-S7

Name : Santhosh Kumar A
Designation : Quality Manager

TEST REPORT

Report No	EHS360/TR/2023-24/075	Report Date	10.08.2023
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	IS5182	Sample Drawn by	Laboratory
Sample Name	Fugitive Dust Sample	Sample Code	EHS360/075
Sample Description	Ambient Air Quality Monitoring	Sample Condition	Good

SI. No.	Name of Location	Latitude	Longitude	Date of Sampling	Result
1	Near Main Gate	21°59'36.61"N	85°19'27.95"E	14.07.2023	456.8
2	Near Crushing Plant	21°59'27.80"N	85°19'38.89"E	14.07.2023	482.2
3	Near Power Plant	21°59'27.87"N	85°19'30.78"E	14.07.2023	414.6
4	Near SMS-1	21°59'23.62"N	85°19'37.62"E	14.07.2023	428.3
5	Near SMS-2	21°59'36.28"N	85°19'34.16"E	21.07.2023	434.2
6	Near Blast Furnace	21°59'23.15"N	85°19'32.77"E	21.07.2023	396.2
7	Near MillingRole-1	21°59'23.96"N	85°19'39.63"E	21.07.2023	408.6
8	Near MillingRole-2	21°59'39.20"N	85°19'36.15"E	21.07.2023	441.5
Fugitive Standard					1200
Methods of Analysis				IS:5182(Part-24)	

Instrument Used: Respirable Dust Sampler (RDS)

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

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A-S7

Name : Santhosh Kumar A
Designation : Quality Manager