



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES)

Accredited by NABL (TC-6172) Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025



TEST REPORT

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: M-114
Issued date : 25.08.2023

Name of the Client : M/s.Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk, Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 16.08.2023

Particulars of Sample Collected : Main Gate

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-01

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS-APM 460 & FPS APM 550 MINI

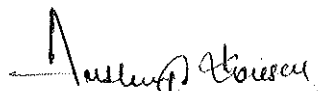
Serial No. Of the Equipment : 2925-DTC-2020 & 987-DTH-2020

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	NAAQ Standards	TEST METHOD
01	Particulate Matter (less than 10 μ) PM ₁₀	$\mu\text{g}/\text{m}^3$	60.3	100	IS: 5182 (Part-23) 2006
02	Particulate Matter (less than 2.5 μ) PM _{2.5}	$\mu\text{g}/\text{m}^3$	37.2	60	SOP No: MES/EL/MV/A-02 Issue No:0.0 Issue Date:18.08.2011
03	Sulphur Dioxide as SO ₂	$\mu\text{g}/\text{m}^3$	26.1	80	IS: 5182 (Part-2) 2001
04	Oxides of Nitrogen as NO _x	$\mu\text{g}/\text{m}^3$	29.8	80	IS: 5182 (Part-6) 2006
05	Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 20	100	IS:5182 (Part IX) 1974
06	Ammonia as NH ₃	$\mu\text{g}/\text{m}^3$	< 20	400	SOP No: MES/EL/MV/A-04 Issue No:00 Issue Date:18.08.2011
07	Lead as Pb	$\mu\text{g}/\text{m}^3$	<0.1	1.0	IS: 5182 (Part-22) 2004
08	Arsenic as As	ng/m^3	< 0.5	6.0	SOP No: MES/EL/MV/A-05 Issue No:0.0 Issue Date:18.01.2011
09	Nickel as Ni	ng/m^3	<0.1	20.0	SOP No: MES/EL/MV/A-05 Issue No:0.0 Issue Date: 18.01.2011
10	Carbon Monoxide as CO	mg/m^3	0.54	4.0	IS: 5182 (Part-10) 1999
11	Benzene as C ₆ H ₆	$\mu\text{g}/\text{m}^3$	< 1.0	5.0	IS: 5182 (Part-11) 2006
12	Benzo(a) Pyrene	ng/m^3	< 0.5	1.0	IS: 5182 (Part-12) 2004

INFERENCE: Report Status: - Within the NAAQ Standards


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TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSIONS

Test Report No: M-115

Issued date : 25.08.2023

Name of the Client : M/s. Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 16.08.2023

Particulars of Sample Collected : **Crusher Area**

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-02

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS APM 460 BL

Serial No. Of the Equipment : 1999-DTC-2011

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	KSPCB Limits	TEST METHOD
01	Particulate matter (less than 100 μ) PM ₁₀₀	$\mu\text{g}/\text{m}^3$	478.5	2000	IS:5182 (Part-4) 2019

INFERENCE: Report Status: - Within the KSPCB Limits.

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TC-6172

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSIONS

Test Report No: M-116
Issued date : 25.08.2023

Name of the Client : M/s. Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 16.08.2023

Particulars of Sample Collected : Cooler Discharge Area

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-03

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS APM 460 BL

Serial No. Of the Equipment : 1991-DTC-2011

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	KSPCB Limits	TEST METHOD
01	Particulate matter (less than 100 μ) PM ₁₀₀	$\mu\text{g}/\text{m}^3$	439.7	2000	IS:5182 (Part-4) 2019

INFERENCE: Report Status: - Within the KSPCB Limits.

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TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSIONS

Test Report No: M-117
Issued date : 25.08.2023

Name of the Client : M/s. Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 16.08.2023

Particulars of Sample Collected : **Raw Material Handling Area**

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-04

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS APM 460 BL

Serial No. Of the Equipment : 1999-DTC-2011

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	KSPCB Limits	TEST METHOD
01	Particulate matter (less than 100 μ) PM ₁₀₀	$\mu\text{g}/\text{m}^3$	456.9	2000	IS:5182 (Part-4) 2019

INFERENCE: Report Status: - Within the KSPCB Limits.

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TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSIONS

Test Report No: M-118
Issued date : 25.08.2023

Name of the Client : M/s.Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobti, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 16.08.2023

Particulars of Sample Collected : **Labour Canteen**

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-05

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS APM 460 BL

Serial No. Of the Equipment : 2218-DTI-2017

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	KSPCB Limits	TEST METHOD
01	Particulate matter (less than 100 μ) PM ₁₀₀	$\mu\text{g}/\text{m}^3$	452.1	2000	IS:5182 (Part-4) 2019

INFERENCE: Report Status: - Within the KSPCB Limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-119
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From Ore Crusher 20 TPH
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-06

GENERAL DETAILS

Ambient Temperature : 28°C
Stack Temperature : 156°C
Velocity : 6.76m/s
Stack Diameter : 0.3m
Quantity of flue gas discharge : 1207.03 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSSI
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	42.3	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

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TC-6172

TEST REPORT

Analysis Report of Source Emission

Test Report No: M-120
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From Induction Furnace - 7 T (Electricity)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-07

GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 167°C
Velocity : 6.91 m/s
Cross Sectional area of stack : 0.2 m²
Quantity of flue gas discharge : 3403.49 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	33.5	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

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TC-6172

TEST REPORT

Analysis Report of Source Emission

Test Report No: M-121
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From Induction Furnace - 12 T (Electricity)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-08

GENERAL DETAILS

Ambient Temperature : 28°C
Stack Temperature : 142°C
Velocity : 6.39m/s
Stack diameter : 0.2m
Quantity of flue gas discharge : 502.88 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	39.3	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-122
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From Coal Screening
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-09

GENERAL DETAILS

Ambient Temperature : 28°C
Stack Temperature : 129°C
Velocity : 7.93 m/s
Stack Diameter : 0.3m
Quantity of flue gas discharge : 1511.03 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	32.3	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-123
Issued date : 25.08.2023

Name of the Industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
KallambellaHobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From Product Separation System
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-10


GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 153°C
Velocity : 8.03 m/s
Stack Diameter : 0.3m
Quantity of flue gas discharge : 1448.68 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	40.0	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.


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TC-6172

TEST REPORT

Analysis Report of Source Emission

Test Report No: M-124

Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From **Dolachar Screening**
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-11

GENERAL DETAILS

Ambient Temperature : 28°C
Stack Temperature : 132 °C
Velocity : 8.16m/s
Cross Sectional area of stack : 0.3m
Quantity of flue gas discharge : 1543.34 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	26.2	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

Arshiya Kousar

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TC-6172

TEST REPORT

Analysis Report of Source Emission

Test Report No: M-125
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 16.08.2023
Particulars of Sample Collected : Collected From AFBC Boiler of Capacity 35 TPH For CPP
(Coal & Dolochar)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-12

GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 180°C
Velocity : 7.30 m/s
Diameter of the stack : 1.8m
Quantity of flue gas discharge : 44588.75 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 86 BTF 12
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	45.0	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Ambient Noise Level Monitoring Report

Test Report No: M-126
Issued date : 25.08.2023

Name of the project : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk
Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of collection : 16.08.2023
Particulate of sample Collected : Sound Levels
Model of the Equipment used for monitoring : HTC Instrument SL-1352
Serial No. of the Equipment : 140800417
Calibration done on and due on : Done on 12.12.2022 and Due on 11.12.2023
Method adopted : IS:9989

TEST RESULT

Sl.No	Sample location	Parameter in dB (A)			
		Day			
		Lmin	Lmax	Leq	Limits
1	Main Gate	62.	74.2	71.0	75
2	Rolling Mill	67.3	83.6	74.8	75
3	Brick Plant	61.9	71.2	70.9	75
4	Labour Colony	59.3	71.6	72.3	75
5	Sub-Station	61.6	71.9	70.3	75

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TEST REPORT

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: M-127
Issued date : 25.08.2023

Name of the Client : M/s.Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 17.08.2023

Particulars of Sample Collected : Labour Colony Area(South Ward Corner)

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-13

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS-APM 460 & FPS APM 550 MINI

Serial No. Of the Equipment : 2925-DTC-2020 & 987-DTH-2020

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	NAAQ Standards	TEST METHOD
01	Particulate Matter (less than 10 μ) PM ₁₀	$\mu\text{g}/\text{m}^3$	64.9	100	IS: 5182 (Part-23) 2006
02	Particulate Matter (less than 2.5 μ) PM _{2.5}	$\mu\text{g}/\text{m}^3$	29.3	60	SOP No: MES/EL/MV/A-02 Issue No:0.0 Issue Date:18.08.2011
03	Sulphur Dioxide as SO ₂	$\mu\text{g}/\text{m}^3$	23.1	80	IS: 5182 (Part-2) 2001
04	Oxides of Nitrogen as NO _x	$\mu\text{g}/\text{m}^3$	31.6	80	IS: 5182 (Part-6) 2006
05	Ozone as O ₃	$\mu\text{g}/\text{m}^3$	< 20	100	IS:5182 (Part IX) 1974
09	Ammonia as NH ₃	$\mu\text{g}/\text{m}^3$	< 20	400	SOP No: MES/EL/MV/A-04 Issue No:00 Issue Date: 18.08.2011
06	Lead as Pb	$\mu\text{g}/\text{m}^3$	<0.1	1.0	IS: 5182 (Part-22) 2004
07	Arsenic as As	ng/m^3	< 0.5	6.0	SOP No: MES/EL/MV/A-05 Issue No:0.0 Issue Date: 18.01.2011
08	Nickel as Ni	ng/m^3	<0.1	20.0	SOP No: MES/EL/MV/A-05 Issue No:0.0 Issue Date: 18.01.2011
10	Carbon Monoxide as CO	mg/m^3	0.59	4.0	IS: 5182 (Part-10) 1999
11	Benzene as C ₆ H ₆	$\mu\text{g}/\text{m}^3$	< 1.0	5.0	IS: 5182 (Part-11) 2006
12	Benzo(a) Pyrene	ng/m^3	< 0.5	1.0	IS: 5182 (Part-12) 2004

INFERENCE: Report Status: - Within the NAAQ Standards

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TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSIONS

Test Report No: M-128

Issued date : 25.08.2023

Name of the Client : M/s. Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative
Date of Collection : 17.08.2023
Particulars of Sample Collected : Product Processing Area
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-14
Duration of monitoring : 8 Hours
Analysis Started on : 18.08.2023
Analysis completed on : 24.08.2023
Condition of sample when received : Good condition
Model of Equipment used for monitoring : RDS APM 460 BL
Serial No. Of the Equipment : 2218-DTI-2017
Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	KSPCB Limits	TEST METHOD
01	Particulate matter (less than 100 μ) PM ₁₀₀	$\mu\text{g}/\text{m}^3$	496.3	2000	IS:5182 (Part-4) 2019

INFERENCE: Report Status: - Within the KSPCB Limits.

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TC-6172

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSIONS

Test Report No: M-129
Issued date : 25.08.2023

Name of the Client : M/s.Sunvik Steels Pvt Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample Collected by : Environmental Laboratory Representative

Date of Collection : 17.08.2023

Particulars of Sample Collected : Raw Material Feed Area

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-15

Duration of monitoring : 8 Hours

Analysis Started on : 18.08.2023

Analysis completed on : 24.08.2023

Condition of sample when received : Good condition

Model of Equipment used for monitoring : RDS APM 460 BL

Serial No. Of the Equipment : 1991-DTC-2011

Calibration done and Due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. No	TEST PARAMETERS	UNIT	TEST RESULTS	KSPCB Limits	TEST METHOD
01	Particulate matter (less than 100 μ) PM ₁₀₀	$\mu\text{g}/\text{m}^3$	451.6	2000	IS:5182 (Part-4) 2019

INFERENCE: Report Status: - Within the KSPCB Limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-130

Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From DG (200 KVA)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-16

GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 139°C
Velocity : 7.51m/s
Stack Diameter : 0.3m
Quantity of flue gas discharge : 1400.91Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	28.1	100	IS: 11255(Part-1) 1985
02	Sulphur Dioxide as SO ₂	mg/Nm ³	17.3	150	IS: 11255(Part-2) 1985
03	Oxide of Nitrogen as NO _x	mg/Nm ³	19.2	970	IS: 11255(Part-7) 2005

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-131
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From DG (300 KVA)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-17

GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 128°C
Velocity : 6.91m/s
Stack Diameter : 0.3m
Quantity of flue gas discharge : 1324.35 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	26.3	100	IS: 11255(Part-1)
02	Sulphur Dioxide as SO ₂	mg/Nm ³	12.6	150	IS: 11255(Part-2)
03	Oxide of Nitrogen as NO _x	mg/Nm ³	22.1	970	IS: 11255(Part-7)

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-132
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From DG (600 KVA)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-18

GENERAL DETAILS

Ambient Temperature : 30°C
Stack Temperature : 129°C
Velocity : 6.35 m/s
Stack Diameter : 0.3m
Quantity of flue gas discharge : 1218.18 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	28.9	100	IS: 11255(Part-1) 1985
02	Sulphur Dioxide as SO ₂	mg/Nm ³	21.6	150	IS: 11255(Part-2) 1985
03	Oxide of Nitrogen as NO _x	mg/Nm ³	27.0	970	IS: 11255(Part-7) 2005

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-133
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From DG (160 KVA)
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-19

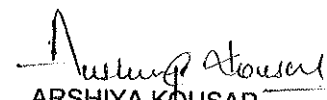
GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 119°C
Velocity : 5.99m/s
Stack Diameter : 0.5m
Quantity of flue gas discharge : 3262.81 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSSI
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	21.9	100	IS: 11255(Part-1) 1985
02	Sulphur Dioxide as SO ₂	mg/Nm ³	10.6	150	IS: 11255(Part-2) 1985
03	Oxide of Nitrogen as NO _x	mg/Nm ³	18.7	970	IS: 11255(Part-7) 2005

INFERENCE: Report Status: Within the tolerance limits.


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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-134
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From Cooler Discharge & De- Dusting System-I
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-20

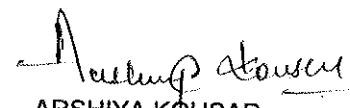
GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 146°C
Velocity : 7.80m/s
Cross Sectional area of stack : 0.07m²
Quantity of flue gas discharge : 1416.73 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	46.6	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.


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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-135
Issued date : 25.08.2023

Name of the industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33, Jodidevarahalli Village,
KallambellaHobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From Cooler Discharge & De- Dusting System-II
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-21

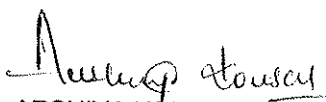
GENERAL DETAILS

Ambient Temperature : 29°C
Stack Temperature : 156°C
Velocity : 7.03 m/s
Cross Sectional area of stack : 0.07 m²
Quantity of flue gas discharge : 1247.11 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	42.6	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.


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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-136/A

Issued date : 25.08.2023

Name of the Industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33,Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From Rotary Kiln I, II & III
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-23

GENERAL DETAILS

Ambient Temperature : 28°C
Stack Temperature : 107°C
Velocity : 7.31m/s
Cross Sectional area of stack : 1.23m²
Quantity of flue gas discharge : 25639.40 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Particulate Matter	mg/Nm ³	33.9	100	IS: 11255(Part-1) 1985

INFERENCE: Report Status: Within the tolerance limits.

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TEST REPORT

Analysis Report of Source Emission

Test Report No: M-136/B

Issued date : 25.08.2023

Name of the Industry : M/s. Sunvik Steel Pvt. Ltd
Survey No.33,Jodidevarahalli Village,
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of Sample collected : 17.08.2023
Particulars of Sample Collected : Collected From Rotary Kiln I, II & III
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-23

GENERAL DETAILS

Ambient Temperature : 28°C
Stack Temperature : 107°C
Velocity : 7.31m/s
Cross Sectional area of stack : 1.23m²
Quantity of flue gas discharge : 25639.40 Nm³/hr
Analysis Started on : 18.08.2023
Analysis Completed on : 24.08.2023
Model of the Equipment used for Monitoring : Vayubodhan Stack Sampler VSS1
Serial No. of the Equipment : 338-DTH-2014
Calibration done on and due on : Done on 19.11.2022 and Due on 18.11.2024

TEST RESULT

SL. NO	PARAMETERS	UNIT	RESULTS	TOLERANCE LIMIT	TEST METHOD
01	Carbon Monoxide as CO	(V/V)%	0.56	1	NDIR Method

INFERENCE: Report Status: Within the tolerance limits.

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TC-6172

TEST REPORT

Analysis Report of Water Sample

Test Report No: M-139

Issued date : 25.08.2023

Name of the Project : M/s. Sunvik Steels Pvt.Ltd
Survey No.33, Jodidevarahalli Village
Kallambella Hobli, Sira Taluk Tumkur-572125.

Sample collected by : Environmental Laboratory Representative

Date of sample collection : 17.08.2023

Particulars of sample Collected : Drinking water

Date of Sample Receipt : 18.08.2023

Lab Code : M/23/08/3-24

Sampling Type : Grab

Sample Quantity : 2.25 Ltrs

Date of Analysis Started on : 18.08.2023

Date of Analysis Completion on : 24.08.2023

Condition of the sample : No leakages were observed when received

Page No. : 1 of 1

TEST RESULT

SL No	TEST PARAMETERS	TEST RESULTS	PERMISSIBLE LIMIT AS PER IS: 10500 :2012	TEST METHOD
01	Colour Hazen units	<1	15	IS: 3025 (P 4) 2017
02	pH	7.10	6.5-8.5	IS: 3025 (P 11) 2022
03	Turbidity as NTU	<0.1	5	IS: 3025 (P 10) 1984 RA 2017
04	Total Dissolved Solids, mg/L	142.0	2000	IS: 3025 (P 16) 1984 RA 2017
05	Alkalinity as CaCO ₃ , mg/L	32.0	600	IS: 3025 (P 23) 1986 RA 2019
06	Total Hardness as CaCO ₃ , mg/L	46.0	600	IS: 3025 (P 21) 2009 RA 2019
07	Calcium as Ca, mg/L	12.0	200	IS: 3025 (P 40) 1991 RA 2019
08	Magnesium as Mg, mg/L	3.88	100	IS: 3025 (P 46) 1994 RA 2019
09	Chloride as Cl, mg/L	58.5	1000	IS: 3025 (P 32) 1988 RA 2019
10	Sulphate as SO ₄ , mg/L	2.10	400	IS: 3025 (P 24) Sec 1 2022
11	Nitrate as NO ₃ , mg/L	<0.1	45	IS: 3025 (P 34) 1988 RA 2019
12	Iron as Fe, mg/L	<0.005	0.3	IS: 3025 (P 2) 2019
13	Fluoride as F, mg/L	<0.1	1.5	IS: 3025 (P 60) 2008 RA 2019
15	Escherichia coli/100ml	Not Detected	Shall Not be Detectable in any 100ml Sample	IS:15185:2016 RA 2021
16	Total Coliforms/100ml	Not Detected	Shall Not be Detectable in any 100ml Sample	IS:15185:2016 RA 2021

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Accredited by NABL (TC-6172) Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025



TC-6172

TEST REPORT

Analysis Report of Water Sample

Test Report No: M-139

Issued date : 25.08.2023

Name of the Project : M/s. Sunvik Steels Pvt.Ltd
Survey No.33, Jodidevarahalli Village
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of sample collection : 17.08.2023
Particulars of sample Collected : ET P Water
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-25
Sampling Type : Grab
Sample Quantity : 2 Ltrs
Date of Analysis Started on : 18.08.2023
Date of Analysis Completion on : 24.08.2023
Condition of the sample : No leakages were observed when received
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TEST RESULT

SL No.	TEST PARAMETERS	TEST RESULTS	TOLERANCE LIMITS	TEST METHOD
01	pH	8.30	5.5-9.0	IS:3025 (P 11) 2017
02	Oil & Grease, mg/L	< 1.0	10	IS: 3025 (P 39) 2014
03	Total Suspended Solids, mg/L	< 5	100	IS: 3025 (P 17) 2017
04	Chemical Oxygen Demand as O ₂ mg/L	62.0	250	IS: 3025 (P 58) 2017

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TEST REPORT

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Analysis Report of Water Sample

Test Report No: M-140

Issued date : 25.08.2023

Name of the project : M/s. Sunvik Steels Pvt .Ltd
Survey No.33, Jodidevarahalli Village
Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of sample collection : 17.08.2023
Particulars of sample Collected : Borewell Water
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-26
Sampling Type : Grab
Sample Quantity : 10.25Ltrs
Date of Analysis Started on : 18.08.2023
Date of Analysis Completion on : 24.08.2023
Condition of the sample : No leakages were observed when received
Page No. : 1 of 2

TEST RESULT

SL. No	TEST PARAMETERS	TEST RESULTS	ACCEPTABLE LIMITS AS PER IS:10500-2012	PERMISSIBLE LIMITS AS PER IS:10500-2012	TEST METHODS
01	Colour, Hazen Units	< 1	5.0	15	IS: 3025 (P 4) 2021
02	Odour	Agreeable	Agreeable	Agreeable	IS: 3025 (P 5) 2018
03	pH	7.20	6.5 to 8.5	6.5 to 8.5	IS: 3025 (P 11) 2022
04	Taste	Agreeable	Agreeable	Agreeable	IS: 3025 (P 8) 1984 RA 2017
05	Turbidity as NTU	< 0.1	1	5	IS: 3025 (P 10) 1984 RA 2017
06	Total Dissolved Solids , mg/l	1390.0	500	2000	IS: 3025 (P 16) 1984 RA 2017
07	Aluminum as Al, mg/l	< 0.01	0.03	0.2	IS: 3025 (P 55) 2003 RA 2019
08	Ammonia(as total ammonia -N) mg/l	< 0.1	0.5	0.5	IS: 3025 (P 34) 1988 RA 2019
10	Barium as Ba mg/l	< 0.005	0.7	0.7	IS: 3025 (P 2) 2019
11	Calcium as Ca, mg/l	62.52	75	200	IS: 3025 (P 40) 1991 RA 2019
12	Copper as Cu, mg/l	<0.005	0.05	1.5	IS: 3025 (P 2) 2019
13	Chloride as Cl, mg/l	118.0	250	1000	IS: 3025 (P 32) 1988 RA 2019
14	Fluoride as F, mg/l	0.3	1.0	1.5	IS: 3025 (P 60) 2008 RA 2019

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TC-6172

TEST REPORT

Analysis Report of Soil Sample

Test Report No: M-137

Issued date : 25.08.2023

Name of the Location : Garden Area
Name of the project : M/s. Sunvik Steels Pvt.Ltd
: Survey No.33, Jodidevarahalli Village
: Kallambella Hobli, Sira Taluk Tumkur-572125.
Sample collected by : Environmental Laboratory Representative
Date of sample collection : 17.08.2023
Particulars of sample Collected : Soil
Date of Sample Receipt : 18.08.2023
Lab Code : M/23/08/3-23
Sampling Type : Grab
Sample Quantity : 2Kg
Date of Analysis Started on : 18.08.2023
Date of Analysis Completion on : 24.08.2023
Condition of the sample : No leakages were observed when received
Page No. : 1 of 1

TEST RESULT

SL No	TEST PARAMETERS	TEST RESULTS	TEST METHOD
01	pH	7.50	IS 2720 (P 26) 2015
02	Calcium as Ca, (mg/kg)	158.0	SOP/C/S-08
03	Magnesium as Mg, (mg/kg)	42.0	SOP/C/S-07
04	Chloride as Cl, (mg/kg)	310.0	SOP/C/S-05
05	Sulphate as So ₄ , (mg/kg)	23.0	IS 2720 (P 27) 2015
06	Moisture (%)	5.10	IS 2720 (P 2) 2015
07	Iron as Fe, (mg/kg)	1730.0	SOP/C/S-10
08	Chromium as Cr, (mg/kg)	<5	SOP/C/S-10
09	Zinc as Zn, (mg/kg)	<5	SOP/C/S-10
10	Nickel as Ni, (mg/kg)	<5	SOP/C/S-10

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