STACK REPORT OF ANALYSIS

AMBIENT AIR QUALITY SURVEY RESULT (PM10,PM2.5,SO2,NO2)

STACK MONITORING SURVEY RESULT (PM10,PM2.5,SO2,NO2)

VOC MONITORING TEST REPORT (TOTAL VOLATILE ORGANIC COMPOUNDS - TVOC)

ONLINE CONTINUOUS EMISSION MONITORING SYSTEM &
REALTIME DATA ACQUISITION & MONITORING REPORT (PM)



Ambient Air Quality Survey - Report of Analysis
24 - 25

Dated: 02.07.2024

ROA No. 27/AAQS/2024 - 25

: M/S. Kanishk Steel Industries Ltd

2. Address of the Industry

1. Name of the Industry

: Plot No B-27

SIPCOT Industrial Complex

Gummidipoondi

Pin 601201

3. Date of survey

: 26.06.2024

Consent No: 2307255530846

Duration of Survey

: Eight hours

Dated: 08.12.2023

Category

: OL

Validity Upto: March 31st 2033

Land use classification.

: Industrial

dia dae diadomente	Min	Max	D. Letino Hamidita (90)	Min	Max	
Ambient Temperature (°C)	30.0 36.0		Relative Humidity (%)	42	59	
Weather Condition	Clear Sky		Rain Fall (mm)	Nil		
Predominent Wind Condition	7	West To East	Mean Wind Speed (Km/hr)	15 K	15 Km/Hr	

Ambient Air Quality Survey Results

SI.	Location	*Direc	Dista	Height from	Pollutants Concentrations (µg/m3)			
No	Location	tion	(m)*	GL (m)	PM ₁₀	PM ₂₅	SO ₂	NO ₂
1	On Top of Scafflolding Near Admin Building	NE	60	2.0	68.1	24	13.5	15.6
2	On Top of Scafflolding Near labour quarters	Е	50	2.0	89.1	38.4	16.6	19.1
3	On Top of Scafflolding Near storage yard	SE	60	2.0	72.1	-	16.2	18.8
4	On Top of Scafflolding Near stores	sw	70	2.0	85.6	940	17.1	19.7
5	On Top of Scafflolding Near laboratory	NW	80	2.0	70	40.1	18.3	21,2

Note:- * With respect to major emission sources.

The analytical results are restricted to the sampling period of 8 Hrs/24Hrs.

Test performed Test Method	
PM ₁₀	IS 5182: (Part 23) - 2006
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012

Deputy Chief Scientific Officer, DEL. Ambattur

STACK MONITORING SURVEY RESULT



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur. Stack Monitoring Survey - Report of Analysis

ROA No. 27/AAQS/2024 - 25

Dated: 02.07.2024

1. Name of the Industry

: M/S. Kanishk Steel Industries Ltd

2. Address of the Industry

: Plot No B-27

SIPCOT Industrial Complex

Gummidipoondi

Pin 601201

3. Date of survey

26.06.2024

4. Type of the Industry

: Steel

Stack Monitoring Survey Results

SI.No	Stack attached to	Stack Temp in K	Velocity in (M/sec)	Discharge Rate in (Nm³/hr)	Pollutants (mg/Nm3)		
01.110	Older ditablied to				PM	SO ₂	NO ₂
1	Induction furnace - 7 Ton Fuel:- EB APC Measure:- Bag Filters	416	11.8	34399	50.1	101.3	130.9
2	Induction furnace - 12 Ton Fuel:- EB APC Measure:- Bag Filters	403	11.1	33401	48.5	106.6	134.5

Test performed	Test Method	
PM ₁₀	IS 5182: (Part 23) - 2006	
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012	
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012	

Deputy Chief Scientific Officer, DEL, Ambattur

ONLINE CONTINUOUS EMISSION MONITORING SYSTEM & REALTIME DATA ACQUISITION & MONITORING REPORT (PM)

PHOTOS OF FURNANCE



Real Time Data Acquisition And Monitoring

Site Name: KANISHK STEEL INDUSTRIES LIMITED

Report: Average Report

From Date: 13-02-2025T13:41:21Z To Date: 14-02-2025T13:41:21Z

Description	Induction_Furnace_Stack_21-PM(mg/m3)
Prescribed Standards	0 - 150
Maximum Data	130.5
Minimum Data	2.83
Geometric Mean	6.18
Median	3.0
Standard Deviation	14.73
Maximum Value At Time	2025-02-14 08:00:00
Minimum Value At Time	2025-02-13 16:15:00
Valid Data Points	85
Total Data Points	96
Data Availability %	88.54%

SI No	Time	Induction_Furnace_Stack_21-PM(mg/m3)
1	2025-02-13 13:30:00	2.89
2	2025-02-13 13:45:00	2.91
3	2025-02-13 14:00:00	2.95
4	2025-02-13 14:15:00	3.11
5	2025-02-13 14:30:00	2.91
6	2025-02-13 14:45:00	2.87
7	2025-02-13 15:00:00	4.99
8	2025-02-13 15:15:00	3.19
9	2025-02-13 15:30:00	2.90
10	2025-02-13 15:45:00	2.96
11	2025-02-13 16:00:00	2.95
12	2025-02-13 16:15:00	2.83
13	2025-02-13 16:30:00	2.99
14	2025-02-13 16:45:00	2.93
15	2025-02-13 17:00:00	2.89
16	2025-02-13 17:15:00	2.92
17	2025-02-13 17:30:00	3.45
18	2025-02-13 17:45:00	2.94
19	2025-02-13 18:00:00	3.00
20	2025-02-13 18:15:00	2.92
21	2025-02-13 18:30:00	2.99
22	2025-02-13 18:45:00	2.98
23	2025-02-13 19:00:00	3.05
24	2025-02-13 19:15:00	2.99
25	2025-02-13 19:30:00	6.08
26	2025-02-13 19:45:00	11.82

SI No	Time	Induction_Furnace_Stack_21-PM(mg/m3)
27	2025-02-13 20:00:00	3.02
28	2025-02-13 20:15:00	11.63
29	2025-02-13 20:30:00	5.48
30	2025-02-13 20:45:00	3.00
31	2025-02-13 21:00:00	3.02
32	2025-02-13 21:15:00	2.96
33	2025-02-13 21:30:00	3.04
34	2025-02-13 21:45:00	3.00
35	2025-02-13 22:00:00	3.03
36	2025-02-13 22:15:00	2.98
37	2025-02-13 22:30:00	2.97
38	2025-02-13 22:45:00	3.02
39	2025-02-13 23:00:00	2.98
40	2025-02-13 23:15:00	3.02
41	2025-02-13 23:30:00	2.97
42	2025-02-13 23:45:00	2.93
43	2025-02-14 00:00:00	3.04
44	2025-02-14 00:15:00	3.01
45	2025-02-14 00:30:00	2.95
46	2025-02-14 00:45:00	2.95
47	2025-02-14 01:00:00	3.05
48	2025-02-14 01:15:00	3.01
49	2025-02-14 01:30:00	2.99
50	2025-02-14 01:45:00	2.98
51	2025-02-14 02:00:00	2.99
52	2025-02-14 02:15:00	3.04
53	2025-02-14 02:30:00	2.97
54	2025-02-14 02:45:00	2.97
55	2025-02-14 03:00:00	24.46
56	2025-02-14 03:15:00	3.01
57	2025-02-14 03:30:00	3.03
58	2025-02-14 03:45:00	2.99
59	2025-02-14 04:00:00	3.04
60	2025-02-14 04:15:00	3.16
61	2025-02-14 04:30:00	2.99
62	2025-02-14 04:45:00	3.20
63	2025-02-14 05:00:00	3.03
64	2025-02-14 05:15:00	3.02
65	2025-02-14 05:30:00	2.99
66	2025-02-14 05:45:00	10.81
67	2025-02-14 06:00:00	7.25
68	2025-02-14 06:15:00	3.01
69	2025-02-14 06:30:00	2.99
70	2025-02-14 06:45:00	2.99
71	2025-02-14 07:00:00	3.00

SI No	Time	Induction_Furnace_Stack_21-PM(mg/m3)
72	2025-02-14 07:15:00	3.01
73	2025-02-14 07:30:00	5.53
74	2025-02-14 07:45:00	10.93
75	2025-02-14 08:00:00	130.50
76	2025-02-14 08:15:00	18.06
77	2025-02-14 08:30:00	14.83
78	2025-02-14 08:45:00	2.95
79	2025-02-14 09:00:00	2.97
80	2025-02-14 09:15:00	2.95
81	2025-02-14 09:30:00	2.98
82	2025-02-14 09:45:00	4.13
83	2025-02-14 10:00:00	43.61
84	2025-02-14 10:15:00	8.24
85	2025-02-14 10:30:00	2.90
86	2025-02-14 10:45:00	NA
87	2025-02-14 11:00:00	NA
88	2025-02-14 11:15:00	NA
89	2025-02-14 11:30:00	NA
90	2025-02-14 11:45:00	NA
91	2025-02-14 12:00:00	NA
92	2025-02-14 12:15:00	NA
93	2025-02-14 12:30:00	NA
94	2025-02-14 12:45:00	NA
95	2025-02-14 13:00:00	NA
96	2025-02-14 13:15:00	NA

Report Details: KSL | 2025-02-18 13:42:37 | Average Report

Real Time Data Acquisition And Monitoring

Site Name: KANISHK STEEL INDUSTRIES LIMITED

Report: Average Report

From Date: 13-02-2025T13:41:21Z To Date: 14-02-2025T13:41:21Z

Description	Induction_Furnace_Stack-PM(mg/m3)
Prescribed Standards	0 - 150
Maximum Data	12.2
Minimum Data	0.85
Geometric Mean	2.76
Median	1.64
Standard Deviation	2.68
Maximum Value At Time	2025-02-13 15:15:00
Minimum Value At Time	2025-02-14 10:00:00
Valid Data Points	85
Total Data Points	96
Data Availability %	88.54%

SI No	Time	Induction_Furnace_Stack-PM(mg/m3)
1	2025-02-13 13:30:00	10.55
2	2025-02-13 13:45:00	9.60
3	2025-02-13 14:00:00	10.94
4	2025-02-13 14:15:00	9.08
5	2025-02-13 14:30:00	8.86
6	2025-02-13 14:45:00	9.63
7	2025-02-13 15:00:00	9.51
8	2025-02-13 15:15:00	12.20
9	2025-02-13 15:30:00	7.73
10	2025-02-13 15:45:00	8.80
11	2025-02-13 16:00:00	4.09
12	2025-02-13 16:15:00	5.11
13	2025-02-13 16:30:00	3.16
14	2025-02-13 16:45:00	5.43
15	2025-02-13 17:00:00	4.05
16	2025-02-13 17:15:00	3.54
17	2025-02-13 17:30:00	1.90
18	2025-02-13 17:45:00	2.41
19	2025-02-13 18:00:00	2.36
20	2025-02-13 18:15:00	2.21
21	2025-02-13 18:30:00	1.58
22	2025-02-13 18:45:00	1.77
23	2025-02-13 19:00:00	1.70
24	2025-02-13 19:15:00	1.53
25	2025-02-13 19:30:00	1.70
26	2025-02-13 19:45:00	1.64

SI No	Time	Induction_Furnace_Stack-PM(mg/m3)
27	2025-02-13 20:00:00	1.51
28	2025-02-13 20:15:00	1.85
29	2025-02-13 20:30:00	1.85
30	2025-02-13 20:45:00	1.57
31	2025-02-13 21:00:00	1.61
32	2025-02-13 21:15:00	1.66
33	2025-02-13 21:30:00	1.52
34	2025-02-13 21:45:00	1.44
35	2025-02-13 22:00:00	1.61
36	2025-02-13 22:15:00	1.73
37	2025-02-13 22:30:00	1.69
38	2025-02-13 22:45:00	1.46
39	2025-02-13 23:00:00	1.52
40	2025-02-13 23:15:00	1.50
41	2025-02-13 23:30:00	1.54
42	2025-02-13 23:45:00	1.49
43	2025-02-14 00:00:00	1.50
44	2025-02-14 00:15:00	1.52
45	2025-02-14 00:30:00	1.62
46	2025-02-14 00:45:00	1.47
47	2025-02-14 01:00:00	1.75
48	2025-02-14 01:15:00	1.66
49	2025-02-14 01:30:00	1.59
50	2025-02-14 01:45:00	1.53
51	2025-02-14 02:00:00	1.52
52	2025-02-14 02:15:00	1.49
53	2025-02-14 02:30:00	1.53
54	2025-02-14 02:45:00	1.50
55	2025-02-14 03:00:00	1.53
56	2025-02-14 03:15:00	1.48
57	2025-02-14 03:30:00	1.52
58	2025-02-14 03:45:00	1.72
59	2025-02-14 04:00:00	1.72
60	2025-02-14 04:15:00	1.67
61	2025-02-14 04:30:00	1.55
62	2025-02-14 04:45:00	1.60
63	2025-02-14 05:00:00	1.52
64	2025-02-14 05:15:00	1.50
65	2025-02-14 05:30:00	1.49
66	2025-02-14 05:45:00	1.60
67	2025-02-14 06:00:00	1.51
68	2025-02-14 06:15:00	1.57
69	2025-02-14 06:30:00	1.72
70	2025-02-14 06:45:00	1.68
71	2025-02-14 07:00:00	1.74

SI No	Time	Induction_Furnace_Stack-PM(mg/m3)
72	2025-02-14 07:15:00	1.60
73	2025-02-14 07:30:00	1.52
74	2025-02-14 07:45:00	1.51
75	2025-02-14 08:00:00	1.60
76	2025-02-14 08:15:00	2.45
77	2025-02-14 08:30:00	1.96
78	2025-02-14 08:45:00	1.64
79	2025-02-14 09:00:00	1.65
80	2025-02-14 09:15:00	1.68
81	2025-02-14 09:30:00	1.72
82	2025-02-14 09:45:00	1.04
83	2025-02-14 10:00:00	0.85
84	2025-02-14 10:15:00	1.17
85	2025-02-14 10:30:00	1.50
86	2025-02-14 10:45:00	NA
87	2025-02-14 11:00:00	NA
88	2025-02-14 11:15:00	NA
89	2025-02-14 11:30:00	NA
90	2025-02-14 11:45:00	NA
91	2025-02-14 12:00:00	NA
92	2025-02-14 12:15:00	NA
93	2025-02-14 12:30:00	NA
94	2025-02-14 12:45:00	NA
95	2025-02-14 13:00:00	NA
96	2025-02-14 13:15:00	NA

Report Details: KSL | 2025-02-18 13:42:28 | Average Report







TEST REPORT

Test Report No & Date CTL/CH/N-00700/2025-26 & 10.04.2025

Sample Number N-00700/25-26

Name of the CustomerM/S. Kanishk Steel Industries Limited,Address27 (M&N&S), Sipcot Industrial Complex,

Peddikuppam, Gummidipondi - 601 201.

Sample Drawn byLaboratorySample NameSTACK - VOCSample DescriptionSTACK - VOC

Sampling Location 12 TON FURNACE STACK NO.1

Sample Drawn on07.04.2025Sample Received on08.04.2025

Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024

Sample Quantity 1 No

Equipment used for Sampling Tiger XT-100416 Analyser

Analysis Started on 09.04.2025 Analysis Completed on 10.04.2025

Test Results:

Verified by

The above sample tested as received, and results are as follows:

DISCIPLINE: CHEMICAL

GROUP: ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS
1 1	TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC)	CTL/SOP/AIR/18	ppm	1.9

END OF REPORT



For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN

SENIOR MANAGER

(CHEMICAL)

Page 1 of 1

The Report shall not be used to malign, defame and for any malicious purpose.

The Report is meant only for sole use of the addressee







TEST REPORT

Test Report No & Date CTL/CH/N-00701/2025-26 & 10.04.2025

Sample Number N-00701/25-26

Name of the CustomerM/S. Kanishk Steel Industries Limited,Address27 (M&N&S), Sipcot Industrial Complex,

Peddikuppam, Gummidipondi - 601 201.

Sample Drawn byLaboratorySample NameSTACK - VOCSample DescriptionSTACK - VOC

Sampling Location 12 TON FURNACE STACK NO.2

Sample Drawn on07.04.2025Sample Received on08.04.2025

Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024

Sample Quantity 1 No

Equipment used for Sampling Tiger XT-100416 Analyser

Analysis Started on09.04.2025Analysis Completed on10.04.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE: CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS
	TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC)	CTL/SOP/AIR/18	ppm	2.3

END OF REPORT



For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN

SENIOR MANAGER

(CHEMICAL)







TEST REPORT

Test Report No & Date CTL/CH/N-00702/2025-26 & 10.04.2025

Sample Number N-00702/25-26

Name of the Customer

M/S. Kanishk Steel Industries Limited,
Address

27 (M&N&S), Sipcot Industrial Complex,

Peddikuppam, Gummidipondi - 601 201.

Sample Drawn byLaboratorySample NameAMBIENT - VOCSample DescriptionAMBIENT - VOC

Sampling Location WEST SIDE OF THE COMPANY - NEAR MAIN GATE

Sample Drawn on07.04.2025Sample Received on08.04.2025

Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024

Sample Quantity 1 No

Equipment used for Sampling Tiger XT-100416 Analyser

Analysis Started on 09.04.2025 **Analysis Completed on** 10.04.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE: CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS
	TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC)	CTL/SOP/AIR/18	ppm	BLQ(LOQ:0.2)

BLQ - Below Limit Of Quantification; LOQ-Limit Of Quantification

END OF REPORT





For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN

SENIOR MANAGER

(CHEMICAL)







TEST REPORT

Test Report No & Date CTL/CH/N-00703/2025-26 & 10.04.2025

Sample Number N-00703/25-26

Name of the CustomerM/S. Kanishk Steel Industries Limited,Address27 (M&N&S), Sipcot Industrial Complex,

Peddikuppam, Gummidipondi - 601 201.

Sample Drawn byLaboratorySample NameAMBIENT - VOCSample DescriptionAMBIENT - VOC

Sampling Location NORTH SIDE OF THE COMPANY - NEAR FURNACE NO.2

Sample Drawn on07.04.2025Sample Received on08.04.2025

Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024

Sample Quantity 1 No

Equipment used for Sampling Tiger XT-100416 Analyser

Analysis Started on09.04.2025Analysis Completed on10.04.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE: CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	метнод	UNITS	RESULTS
1	TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC)	CTL/SOP/AIR/18	ppm	BLQ(LOQ:0.2)

BLQ - Below Limit Of Quantification; LOQ-Limit Of Quantification

END OF REPORT





For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN

SENIOR MANAGER

(CHEMICAL)







TEST REPORT

Test Report No & Date CTL/CH/N-00704/2025-26 & 10.04.2025

Sample Number N-00704/25-26

Name of the CustomerM/S. Kanishk Steel Industries Limited,Address27 (M&N&S), Sipcot Industrial Complex,

Peddikuppam, Gummidipondi - 601 201.

Sample Drawn byLaboratorySample NameAMBIENT - VOCSample DescriptionAMBIENT - VOC

Sampling Location EAST SIDE OF THE COMPANY - NEAR OLD SHED

Sample Drawn on07.04.2025Sample Received on08.04.2025

Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024

Sample Quantity 1 No

Equipment used for Sampling Tiger XT-100416 Analyser

Analysis Started on09.04.2025Analysis Completed on10.04.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE: CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	метнор	UNITS	RESULTS
	TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC)	CTL/SOP/AIR/18	ppm	BLQ(LOQ:0.2)

BLQ - Below Limit Of Quantification; LOQ-Limit Of Quantification

END OF REPORT





For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN

SENIOR MANAGER

(CHEMICAL)







TEST REPORT

Test Report No & Date CTL/CH/N-00705/2025-26 & 10.04.2025

Sample Number N-00705/25-26

Name of the CustomerM/S. Kanishk Steel Industries Limited,Address27 (M&N&S), Sipcot Industrial Complex,

Peddikuppam, Gummidipondi - 601 201.

Sample Drawn byLaboratorySample NameAMBIENT - VOCSample DescriptionAMBIENT - VOC

Sampling Location SOUTH SIDE OF THE COMPANY - NEAR ROLLING MILL

Sample Drawn on07.04.2025Sample Received on08.04.2025

Sampling Plan & Procedure CTL/QSP/F-89 & CTL/SOP/AIR/024

Sample Quantity 1 No

Equipment used for Sampling Tiger XT-100416 Analyser

Analysis Started on09.04.2025Analysis Completed on10.04.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE: CHEMICAL

GROUP: ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	метнод	UNITS	RESULTS
1	TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC)	CTL/SOP/AIR/18	ppm	BLQ(LOQ:0.2)

BLQ - Below Limit Of Quantification; LOQ-Limit Of Quantification

END OF REPORT





For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)