



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore -6.

From Dr. A.Sivaraman.M.Sc. Ph.D., Chief Scientific Officer Advanced Environmental Laboratory, Tamil Nadu Pollution Control Board, Auxilium College Road, Gandhi Nagar - Vellore - 6.	To M/s. NANJIL INDUSTRIES., Plot No: S-111, S-112, S-113 & S-114 SIPCOT Industrial Complex Phase III Mukundarapuram Village, Ranipet - 632 405.
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Lr. No. TNPCB/AEL/VLR/AAQS/ 127 / 25 - 26/ Dated: 18.05.2026

Sir,

Sub: Furnishing Test Report of Ambient Air Quality/Stack Monitoring / Ambient Noise Level Survey-regarding.

Ref: 1. T.O.Lr.No.AEL/VLR/AAQS/F.No. 147/D.No. 171/25-26 Dated: 09/12/2025
2. Cash Receipt No.277 Rs. 1,83,740 Dated: 02/02/2026
3. G.O.(2D) No.76. ECC&F (EC.4) Dpt. Dated: 21/08/2024

The Test Report of Ambient Air Quality /Stack Monitoring/Ambient Noise Level Survey conducted in the vicinity of your Industry on 17.03.2026 along with the Bill for Rs. 1,83,740 Rupees One Lakh Eighty Three Thousand Seven Hundreds and Forty only is furnished herewith.

Kindly acknowledge the receipt of the above without fail

Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.

Encl: As above

Copy Submitted:

- 1 The Joint Chief Environmental Engineer (M) Vellore Zone
- 2 The Deputy Director (Lab) TNPCB, Chennai.
- 3 The District Environmental Engineer, Ranipet.
- 4 To File.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.



TC-10037

Ambient Air Quality Survey- Test Report

Report No. 127 /AAQS/2025 -26

Dated: 18.05.2026

1. Name of the Industry : **M/s. NANJIL INDUSTRIES.,**
2. Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.
3. Date of survey : 17.03.2026
4. Duration of Survey : Eight hours
5. Latitude : **N 12. 997783°**
6. Longitude : **E 79. 295526°**
7. Classification : Red Large
8. Consent Order No. : **2505266858551 Valid Upto 31/03/2027.**
9. Time of survey started in Hrs : 8.00
10. Time of survey closed in Hrs : 16.30

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	26.0	33.0		42	83
Weather Condition	Sunny-Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind direction	SE to NW		Mean Wind Speed (Km/hr)	8.13	

Ambient Air Quality Survey Report of Analysis

Sl. No	Location (On Top of Scaffolding Near)	Direction *	Distance (m)	Height from GL (m)	Pollutants Concentrations (µg/m ³)			
					PM _{2.5} IS5182-24 (2019)	PM ₁₀ IS 5182- 23 (2006)	SO ₂ IS5182 - 2 (2001)	NO ₂ IS 5182-6 (2006)
1	Unit's Security Office Area	NE	72	2	52	87	11.5	12.2
2	Chlorine Storage Area	SE	67	2	-	77	12.4	14.9
3	Unit's Raw Material Storage Area	S	43	2	-	91	16.4	13.5
4	Unit's Hazardous Waste Storage Area	SW	58	2	-	93	8.8	7.7
5	Unit's ETP Area	W	68	2	-	97	15.1	12.9
6	Unit's TNEB Transform Yard Area	NW	42	2	-	93	19.7	12.3
Prescribed Board Standards					60	100	80	80

Statement:

The test results relates only to the item tested as received and restricted to the monitoring period only
The testing activities are performed in permanent facility located at AEL, TNPCCB, Vellore- 6.

(Signature)
Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCCB/ Vellore - 6.

End of the Test Report



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.



TC-10097

Stack Monitoring Survey - Test Report

Report No. 127 /SM/2025-26

Dated: 18.05.2026

1. Name of the Industry : **M/s. NANJIL INDUSTRIES.,**
2. Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.
3. Date of survey : 17.03.2026
4. Consent Order No. : **2505266858551 Valid Upto 31/03/2027.**
5. Classification : Red Large

Stack Analysis- Test Report

Sl. No	Stack attached to	Stack Temp °K	Velocity in (M/sec)	Discharge rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)		
					PM IS 11255 (Part -1); 1985	SO ₂ IS 11255 (Part 2); 1985	Nox IS 5182-6 (2006)
1	Process Reactors (MSG LR) - 6 nos; Fuel: Nil; APC: Common Wet Scrubber with Stack	311	14.3	26268	7	6.4	12.9
2	Boiler-2TPH; Fuel: Firewood; APC: Mechanical Dust Collector with Stack	410	21.6	11766	8	24.0	58.7
3	D.G Set -500KVA; Fuel: Diesel; APC: Acoustic Enclosure with Stack	587	33.2	3171	61	17.6	83.7
4	Process Reactors (MSG LR) -8nos.: Fuel: Nil; APC: Alkali Scrubber with Stack	312	12.4	3204	44	3.2	19.8

Statement:

The test results relates only to the item tested as received and restricted to the monitoring period only
The testing activities are performed in permanent facility located at AEL, TNPCB, Vellore - 6.

(Signature)
Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.

****End of the Test Report****



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.

Stack Monitoring Survey - Test Report

Report No. **127 /SM/2025-26**

Dated: 18.05.2026

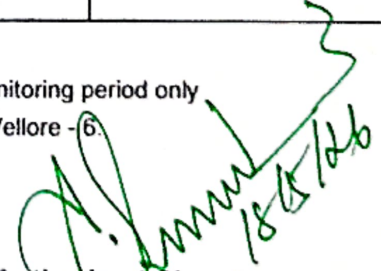
1. Name of the Industry : **M/s. NANJIL INDUSTRIES.,**
2. Address of the Industry : **Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.**
3. Date of survey : **17.03.2026**
4. Consent Order No. : **2505266858551 Valid Upto 31/03/2027.**
5. Classification : **Red Large**

Stack Analysis- Test Report

Sl. No	Stack attached to	Parameters	
		CO (PPM)	O ₂ (%)
		Flue Gas Analyser	
1	Boiler-2TPH; Fuel: Firewood; APC: Mechanical Dust Collector with Stack	248	17.48
2	D.G Set -500KVA; Fuel: Diesel; APC: Acoustic Enclosure with Stack	356	16.31

Statement:

The test results relates only to the item tested as received and restricted to the monitoring period only
The testing activities are performed in permanent facility located at AEL, TNPCB, Vellore -6.


**Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.**

****End of the Test Report****



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.



Ambient Noise Level Survey-Test Report

Report No.

127

ANLS/2025-26

Dated: 18.05.2026

1	Name of the Industry	M/s. NANJIL INDUSTRIES.,	
2	Address of the Industry	Plot No: S-111, S-112, S-113 & S-114 SIPCOT Industrial Complex Phase III Mukundarapuram Village, Ranipet - 632 405.	
3	Date of survey	17.03.2026	
4	Classification & Consent Order No.	Red Large	2505266858551 Valid Upto 31/03/2027.
5	Land Use Classification	Industrial	
6	Test Method	IS 9989: 1981	
Type of survey		Ambient	Time Of Survey Day
Meteorological Conditions		Sunny	
Logging Parameters			
Instrument Used	CASELLA	Serial No.	1438633
Logging Interval	30 Minutes in each point	Measuring Range	40 dB to 130 dB
Weighting	"A"	Mode	Fast
Sound Incidence	Random	Time of survey in Hrs.	8.30-16.30

Sl. No.	Location (Near the Compound Wall/ Boundary)	Duration (min)	Distance (mtrs)	Direction	Sound Level -dB(A) IS 9989: 1981		
					L _{eq}	L _{Min}	L _{max}
1	Unit's Security Office Area	30	72	NE	58.4	53.5	74.9
2	Unit's Chlorine Storage Area	30	67	SE	58.4	55.8	70.9
3	Unit's Raw Material Storage Area	30	43	S	77.9	73.1	93.2
4	Unit's Hazardous Waste Storage Area	30	58	SW	69.9	68	72.6
5	Unit's ETP Area	30	68	W	61.5	57.7	75.6
6	Unit's TNEB Transform Yard Area	30	42	NW	60.5	57.0	79.3

Statement:

The test results relates only to the monitoring location and monitoring period
The testing activities are performed with permanent facility available at AEL, TNPCB, Vellore -6.

(Signature)
18/5/26
Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.

End of the Test Report



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.

Stack Details

Report No. 127 AEL/VLR/SM/2025-26 Dated: 18.05.2026

1. Name of the Industry : M/s. NANJIL INDUSTRIES.,

2. Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.

3. Date of survey : 17.03.2026

SI No	Particulars	1	2	3	4
1	Stack Attached to	Process Reactors (MSGLR) - 6 nos.	Boiler -2TPH	D.G Set-500KVA	Process Reactors (MSGLR) - 8nos.
2	Details of process stack	PCMX Production	Steam Generation	Power Generation	Thione Production
3	HT from Ground Level (m)	17	30	7	20
4	Diameter in (m)	0.8	0.5	0.25	0.3
5	Port hole Ht From Ground level in (m)	10	10	6	10
6	Fuel used (with% sulphur content)	-	Fire wood	Diesel	-
7	Fuel Consumption rate per day - units	-	250Kg/Cycle	60LPH	-
8	Bolier Type & Capacity	-	2TPH	-	-
9	APC Measures provided	Common Wet Scrubber with Stack	Mechanical Dust Collector with Stack	Acoustic Enclosure With Stack	Alkali Scrubber with Stack
10	APC Functional status	Functioning			
11	Ambient Temperature in °K	306	303	304	306
12	Tempearture of flue gas in °K	311	410	587	312
13	Velocity of flue gas (m/sec)	14.3	21.6	33.2	12.36
14	Volume of flue gas sampled in m ³	1.003	1.008	1.003	1.008
15	Gaseous Discharge rate per Nm ³ /Hr	26,268	11,766	3,171	3,204
16	Combustion efficency %	-	-	-	-

Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.

Schematic Diagram Of AAQ Station Location

Report No: 127 /AEL/VLR/AAQS/2025-26 Date: 18.05.2026

- Name of the Industry : M/s. NANJIL INDUSTRIES.,
- Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.
- Date of survey : 17.03.2026
- Predominant Wind Direction : SE to NW
- Weather Condition : Sunny-Clear Sky

Station No-5-NW -42Mts

PM ₁₀	93	µg/m ³
PM _{2.5}	-	µg/m ³
SO ₂	19.7	µg/m ³
NO ₂	12.3	µg/m ³

Station No-1-NE-72Mts

PM ₁₀	87	µg/m ³
PM _{2.5}	101	µg/m ³
SO ₂	11.5	µg/m ³
NO ₂	12.2	µg/m ³

Station No-4-W -68Mts

PM ₁₀	97	µg/m ³
PM _{2.5}	0	µg/m ³
SO ₂	15.1	µg/m ³
NO ₂	19.7	µg/m ³

M/s. NANJIL INDUSTRIES.,
Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.

Station No-3-SW -58Mts

PM ₁₀	93	µg/m ³
PM _{2.5}	-	µg/m ³
SO ₂	8.8	µg/m ³
NO ₂	7.7	µg/m ³

Station No-2-S-43Mts

PM ₁₀	91	µg/m ³
PM _{2.5}	-	µg/m ³
SO ₂	16.4	µg/m ³
NO ₂	13.5	µg/m ³

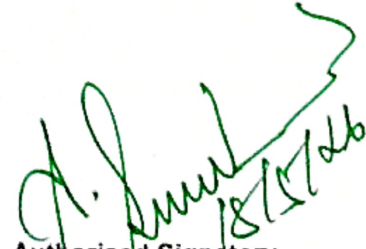
Station No-2-SE-67Mts

PM ₁₀	77	µg/m ³
PM _{2.5}	-	µg/m ³
SO ₂	12.4	µg/m ³
NO ₂	14.9	µg/m ³

Note
All the Values are expressed in microgram/meter³ and restricted to the sampling periods of 8 Hrs.

Meteorological Condition

Predominant Wind Direction	SE to NW
Wind Speed(Km/hr)	8.13
Weather Condition	Sunny-Clear Sky
Rain Fall In mm	Nil


18/5/2026
Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.

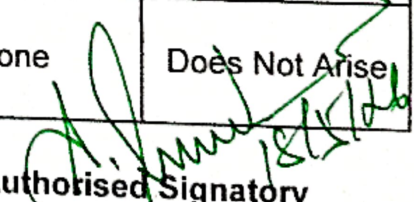
Stack Monitoring Survey - Additional Details

Report No. **127 /AEL/VLR/SM/2025-26**

Dated: 18.05.2026

- 1.Name of the Industry : **M/s. NANJIL INDUSTRIES.,**
- 2.Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
SIPCOT Industrial Complex Phase III
Mukundarapuram Village, Ranipet - 632 405.
3. Date of survey : 17.03.2026
- 4.Type of Industry : Chemical Industry

Sl No	Details of Stack mentioned in the Air Consent	Details of Stack available with working status	Details of Stack for which stack emission sampling have been done	Justification for the left out of stack emission sampling
1	Process Reactors (MSGRLR) - 6 nos; Fuel: Nil; APC: Common Wet Scrubber with Stack	working	Done	Does Not Arise
2	Boiler-2TPH; Fuel: Firewood; APC: Mechanical Dust Collector with Stack	working	Done	Does Not Arise
3	D.G Set -500KVA; Fuel: Diesel; APC: Acoustic Enclosure with Stack	working	Done	Does Not Arise
4	Process Reactors (MSGRLR) -8nos.: Fuel: Nil; APC: Alkali Scrubber with Stack	working	Done	Does Not Arise


Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.

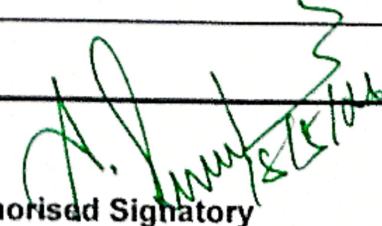
GENERAL PARTICULARS

Report No. **127** /AEL/VLR/AAQS/SM/2025-26

Dated: 18.05.2026

1. Name of the Industry : **M/s. NANJIL INDUSTRIES.,**
2. Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
: SIPCOT Industrial Complex Phase III
: Mukundarapuram Village, Ranipet - 632 405.
3. Date of survey : 17.03.2026

Sl No	Particulars	Details
1	Process Description	Chloroxylenol (PCMX) & Thione Production
2	Emission Sources	Process Reactors, Boiler & D.G-Set
3	Fugitive Emission Sources	Movement of Heavy Vehicles.
4	Raw Material Consumptions	Caustic lye, HCl, 2-Chloro Pyridine, Acetic Acid, Maleic Anhydride, Sulphuric Acid, Hydrogen Peroxide, and Sodium Sulphide
5	Production Capacity as per Air Consent order	PCMX-1500 Tons/Annum ; Thione- 501 Tons/Annum
6	Production on the day of survey	Chloroxylenol (PCMX) :2.7MT; Thione:0.68T
7	Percent Production with respect to Air Consent	Chloroxylenol (PCMX) :64.75%; Thione:48.9%
8	Air Consent Order No. Validity	2505266858551 Valid Upto 31/03/2027.
9	Details of APC measures	Mechanical Dust Collector, Alkali Scrubber, Common Wet Scrubber & Acoustic enclosure with Stack
10	Functional Status of APC Measures	Functioning
11	Compliance with Consent Conditions	Complied
12	Field Observations	Routine Works Observed


Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Vellore - 6.

INFERENCE REPORT

Report No. **127 /INFERENCE/AEL/VLR/AAQ/SM/25-26** Dated: 18.05.2026

1. Name of the Industry : **M/s. NANJIL INDUSTRIES.,**
2. Address of the Industry : Plot No: S-111, S-112, S-113 & S-114
: SIPCOT Industrial Complex Phase III
: Mukundarapuram Village, Ranipet - 632 405.
3. Category : Red Large
4. Date of survey : 17.03.2026
5. Predominant Wind Direction : SE to NW
6. Weather Condition : Sunny-Clear Sky

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY :

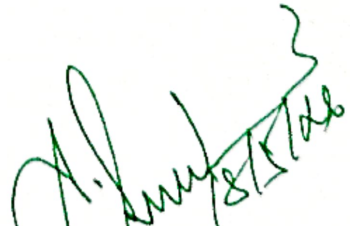
1. Total No of A.A.Q.S Monitored - 6
2. NO OF A.A.Q. Station in which
Pollutants level Exceeded the
Boards Standards - Nil

Minimum & Maximum Values Of Pollutants Level Observed

Sl.No	Pollutants Monitored	Pollutants in ($\mu\text{g}/\text{m}^3$)		Boards Standards (As per Consent Order)
		Minimum	Maximum	
1	Respirable Suspended Particulate:			
	PM ₁₀	77	97	100
	PM _{2.5}	52	-	60
2	GASEOUS POLLUTANTS :			
	SO ₂	8.8	19.7	80
	NO ₂	7.7	14.9	80

II. STACK MONITORING:

1. Total No of Stacks Monitored : 4
2. No of Stacks in which
Pollutants level Exceeded the : Nil
Boards Standards


Authorised Signatory
Dr. A. Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.

TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory - Vellore - 6.

BILL

Bill No : 127 / 25 - 26/

Date : 18.05.2026

To

M/s. NANJIL INDUSTRIES.,

Plot No: S-111, S-112, S-113 & S-114

SIPCOT Industrial Complex Phase III

Mukundarapuram Village, Ranipet - 632 405.

Sir,

Ref: 1. T.O.Lr.No.AEL/VLR/AAQS/F.No. 147/D.No. 171/25-26

Dated: 09/12/2025

2. Cash Receipt No.277 Rs. 1,83,740

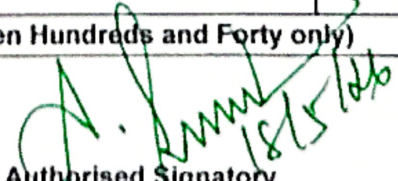
Dated: 02/02/2026

3. G.O.(2D) No.76. ECC&F (EC.4) Dpt.

Dated: 21/08/2024

The Bill for the Ambient Air Quality Survey/Stack/ Noise Monitoring Survey for the year 2025-26. is furnished as below

Sl.No.	Description	No of Stations	Rate (Rs.)	Amount (Rs.)
1	Ambient Air Quality Survey with PM ₁₀ ,SO ₂ ,NO ₂	6	7190	43140
2	Ambient Air Quality Survey PM _{2.5}	1	5400	5400
3	Stack Monitoring with PM, SO ₂ & NO _x	4	22150	88600
4	Stack Monitoring with SO ₂ & NO Only	0	11700	0
5	Stack Monitoring, PM Only	0	10650	0
6	Carbon Monoxide & Oxygen	2	2650	5300
7	Ambient Noise Level testing charges (First 5 Points)	5	7000	7000
	Ambient Noise Level testing (Each additional Station)	1	3500	3500
8	TVOC	6	4800	28800
9	Additional Parameters (Fluoride)	0	1450	0
10	Transportation Charges			2000
Total (Rs.)				183740
Advance amount Paid vide CR No.277, Dated: 02/02/2026				1,83,740
Balance amount to pay/claim				NIL
(Rupees One Lakh Eighty Three Thousand Seven Hundreds and Forty only)				


Authorised Signatory
Dr. A.Sivaraman
Chief Scientific Officer
AEL/TNPCB/ Vellore - 6.