



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.

From

Dr. K.Sarumathy M.Sc., M.Phil., P.hD,
Deputy Chief Scientific Officer,
District Environmental Laboratory,
No.77-A South Avenue Road,
Ambattur Industrial Estate, Ambattur,
Chennai 600 058.

To

M/s. Nuray Chemicals Pvt Ltd
Plot No. 111, SIDCO Industrial Estate
Kakkalur
Thiruvallur District
Pin 602 003

Lr.No.TNPCB/ ROA No.27/2022 - 23/DEL/AMB/AAQS/SM

Dated: 16.06.2022

Sir,

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

Ref: 1. G.O.(2D) No. 13 dated:31.08.2021
(Revised Rate From 01.09.2021)
2.This Office.Lr.No.40/2022-23 Dated : 28.04.2022
3.Cash Receipt No.78785 Dated : 12.05.2022
Rs. 1,16,850
4. Your ltr. No. Dated : 12.05.2022

I am sending herewith the Report of Analysis of Ambient Air Quality /Stack
Monitoring/Ambient Noise level.Survey conducted in the vicinity of your Industry M/s. Nuray
Chemicals Pvt Ltd on 07.06.2022 with an invoice for a sum of Rs.116850 (Rupees One lakh
Sixteen Thousand Eight Hundred and Fifty Only) towards the above survey/analysis charges, and
same has been adjusted with the advance fees received vide reference cited.

Kindly acknowledge the receipt of the report without fail.

K. Sarumathy
16/6/22
Deputy Chief Scientific Officer,
DEL, Ambattur

Encl: As above

Copy to:

1. The District Environmental Engineer, TNPCB, Thiruvallur
2. File



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.
Ambient Air Quality Survey - Report of Analysis

ROA No. 27/AAQS/2022 - 23

Dated: 16.06.2022

1. Name of the Industry : **M/s. Nuray Chemicals Pvt Ltd**
2. Address of the Industry : Plot No. 111, SIDCO Industrial Estate
Kakkalur
Thiruvallur District
Pin 602 003
3. Date of survey : 07.06.2022 Consent No: 2008221127526
4. Duration of Survey : Eight hours Dated: 06.02.2020
5. Category : RL Validity Upto : March 31st 2024
6. Land use classification. : Industrial

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	29.0	34.0		49	56
Weather Condition	Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind Condition	South West To North East		Mean Wind Speed (Km/hr)	12 Km/Hr	

Ambient Air Quality Survey Results

Sl. No	Location	*Direc tion	Dista nce (m)*	Height from GL (m)	Pollutants Concentrations (µg/m ³)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1	On Top of Scaffolding Near Admin Office	NE	60	2.0	71	34.2	17.2	19.1
2	On Top of Scaffolding Near Main Security Gate/Occupational Health Centre	E	30	2.0	69.1	--	14.4	16.2
3	On Top of Scaffolding Near Transformer	SE	20	2.0	80.4	32.1	19.2	21.4
4	On Top of Scaffolding Near Process Area	SW	40	2.0	60.1	--	13.3	15.2
5	On Top of Scaffolding Near ETP Area	NW	60	2.0	52.5	--	12.9	14.8

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

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16/6/22
Deputy Chief Scientific Officer,
DEL, Ambattur



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Stack Monitoring Survey - Report of Analysis

ROA No. 27/AAQS/2022 - 23

Dated: 16.06.2022

1. Name of the Industry : M/s. Nuray Chemicals Pvt Ltd
2. Address of the Industry : Plot No. 111, SIDCO Industrial Estate
Kakkalur
Thiruvallur District
Pin 602 003
3. Date of survey : 07.06.2022
4. Type of the Industry : Industrial

Stack Monitoring Survey Results

Sl.No	Stack attached to	Stack Temp in K	Velocity in (M/sec)	Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)		
					PM	SO ₂	NO ₂
1	Boiler - 0.5T/ Hr Fuel:- WOOD	433	10.8	3360.8	37.7	137.6	198
2	DG Set - 250 KVA Fuel:- HSD	435	17.7	1371	31.1	28.8	98.1
3	Fume Exhaust - Process Area APC Measure:- Wet Scrubber	312	8.4	2039	10.2	8.5	26.1
4	Fume Exhaust - R & D quality Control APC Measure:- Wet Scrubber	313	8.1	3486.9	11	7.5	29.2

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

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TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.
Ambient/Source Noise Level Survey-Report of Analysis

ROA No. 27/AAQS/2022 - 23

Dated: 16.06.2022

1	Name of the Industry	M/s. Nuray Chemicals Pvt Ltd		
2	Address of the Industry	Plot No. 111, SIDCO Industrial Estate Kakkalur Thiruvallur District Pin 602 003		
3	Date of survey	07.06.2022		
4	Category	RL	Land Use Classification	Industrial
Type of survey		Ambient/Source	Time of Survey	Day
Meteorological Conditions		Calm		

Logging Parameters

Instrument Used	CESVA	Serial No.	T243104
Logging Interval	10 Minutes in each point	Measuring Range	50-110 dB(A)
Weighting	"A" Peak Weighting	"C" Time Weighting	Slow
Sound Incidence	RANDOM	Time in Hrs.	14.00-15.30 Hrs

S.no	Location	Duration (min)	Distance (m)	Direction	Sound Level – dB(A)		
					Leq	LMin	LMax
1	Near Admin Office	10	60	NE	62.1	56.5	76.3
2	Near Main Security Gate/Occupational Health Centre	10	30	E	60.4	55.6	70.6
3	Near Transformer	10	20	SE	64.3	59.7	78.4
4	Near Process Area	10	40	SW	68.6	62.3	82.3
5	Near ETP Area	10	60	NW	64.2	59.1	77.3

Leq Value is the average energy for the measured period

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Deputy Chief Scientific Officer,
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TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur

Invoice Bill

To
M/s. Nuray Chemicals Pvt Ltd
Plot No. 111, SIDCO Industrial Estate
Kakkalur
Thiruvallur District
Pin 602 003

Bill No : 27/2022 - 23

Date : 16.06.2022

Ref: 1. G.O.(2D) No. 13
(Revised Rate From 01.09.2021)
2. This Office.Lr.No.40/2022-23
3. Cash Receipt No.78785
Rs. 1,16,850
4. Your ltr. No.

dated:31.08.2021

Dated : 28.04.2022

Dated : 12.05.2022

Dated : 12.05.2022

Sl. No.	Description	Rate (Rs.)	No of Stations/ Stacks	Amount (Rs.)
1	Sampling Charges			
(i)	Ambient Air Quality Monitoring PM ₁₀ , SO ₁₀ , NO ₂	3500	5	Rs. 17,500
(ii)	Ambient Air Quality Monitoring (PM _{2.5})	3500	2	Rs. 7,000
(iii)	Source Emission Samples PM, SO ₂ , NO ₂	13100	4	Rs. 52,400
2	Analytical Charges			
(i)	Ambient Air Samples PM ₁₀ , SO ₂ , NO ₂ (each Rs.1050/-)	3150	5	Rs. 15,750
(ii)	Ambient Air Quality Monitoring (PM _{2.5})	1800	2	Rs. 3,600
(iii)	Source Emission Samples PM, SO ₂ , NO ₂ (each Rs.1050/-)	3150	4	Rs. 12,600
3	Ambient Noise Level Monitoring charges			
(i)	For first 5 stations	7000	1	Rs. 7,000
4	Transportation Charges			Rs. 1,000
Total (Rs.)				Rs. 1,16,850
Less: Advance Amount CR. No: 78785 dt 12.05.2022				Rs. 1,16,850
Balance amount				Nil

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DEL, Ambattur