



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Chennai - 600 032.
(Accredited by NABL as per ISO / IEC 17025 : 2005)



T-3497

From	To
Thiru. R.Mohan M.Sc.,M.B.A., Assistant Director (Lab), Tamil Nadu Pollution Control Board - Annexe Buiding, No: 76, Mount Salai, Guindy, Chennai - 600 032.	M / s Momentive Performance Materials (I) Pvt. Ltd., B-3, SIPCOT Industrial Growth Centre, Oragadam, Sriperumbudur - Taluk, Kanchipuram - District, PIN: 602 105.


Report No. TNPCB/AEL - CHN/ 18 /AAQS/SM/NLS/2016 - 2017 Dated: 15.07.2016

Sir,

Sub: Report of Analysis of Ambient Air Quality /
Stack Monitoring / Noise Level survey – regarding.
Ref: Amount Remitted as per the Cash Receipt
No: 45559 , Dt: 27.06.2016 is Rs. 93,400

I am sending herewith the Report of analysis of Ambient Air Quality /
Stack monitoring and Ambient Noise level survey conducted in the vicinity of your unit on
12.07.2016 along with the bill for a sum of Rs.93,400 (Rupees Ninety Three Thousand
and Four Hundred only) towards the charges for the above survey.

Kindly acknowledge the receipt of the above report.


Authorized Signatory
[Dy.C.S.O., C.S.O., AD (L)]

Please Refer BILL.

Encl: As above

1. Copy to The District Environmental Engineer, Padappai.
2. Copy submitted to The Director (Labs).
3. To file.

**(This Report Contains Seven Sheets Plus Bill for Industry
and File Copy)**



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AMBIENT AIR QUALITY MONITORING – Report of Analysis

Report No. TNPCB/AEL - CHN/ 18 /AAQS/SM/NLS/2016 - 2017 Dated: 15.07.2016

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1	Name and Address of the Industry	M / s Momentive Performance Materials (I) Pvt. Ltd., B-3, SIPCOT Industrial Growth Centre, Oragadam, Sriperumbudur - Taluk, Kanchipuram - District, PIN: 602 105.		
2	Date of Sampling & Collected by	12.07.2016	AEL, TNPCB, Chennai - 600 032.	
3	Duration of Sampling	8 Hrs.		
4	Date of Analysis	13.07.2016		
5	Category / Type of Industry	Red Large / Chemical - Silicon Production.		
6	Land Use Classification	Industrial.		

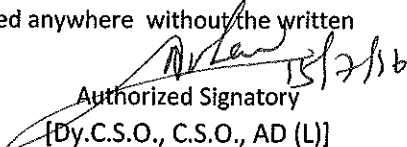
Meteorological Conditions

Ambient Temperature (in ° C)	Min	Max	Relative Humidity (in %)	Min	Max
	33.5	36.3		40	49
Weather Condition	Clear sky		Rain Fall	- Nil -	
Predominant Wind Direction	SW-NE		Mean Wind Speed (in km / hr)	---	

Sl. No	Location of Sampling Near	Direction *	Height from Ground Level (in mtrs)	Pollutants Concentration (in µg / m ³)			
				PM ₁₀	SO ₂	NO ₂	
Protocol				IS 5182 (Part - 23): 2006	IS 5182 (Part - 2): 2001 Reaff 2012 / BDL < 4	IS 5182 (Part - 6): 2006 Reaff 2012 / BDL < 9	
Permissible Limits as per NAAQS				100	80	80	
1	Diesel Tank	N	40	1.5	30	12	14
2	Fire Hydrant Pump House.	NE	70	1.5	40	11	13
3	ETP.	SE	50	1.5	64	10	11
4	Hazardous Storage (Building) Shed.	S	40	1.5	49	11	14
5	Ware House Building	SW	80	1.5	72	12	15
6	Admin Office	NW	60	1.5	59	13	17

- Note: 1 * - Direction and Distance From the Processing Area of the Unit.
2 NAAQS - National Ambient Air Quality Standards as per Environmental Protection Rule 3 (3B), Nov 2009.
3 The test results furnished are restricted to the sampling period only; The results relate to the samples received only. This test report shall not be Reproduced anywhere without the written approval of the Authorised Signatory.

***** END OF REPORT *****


Authorized Signatory
{Dy.C.S.O., C.S.O., AD (L)}



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Advanced Environmental Laboratory, Chennai - 600 032.



Source Emission Monitoring Report

Report No. TNPCB/AEL - CHN/ 18 /AAQS/SM/NLS/2016 - 2017 Dated: 15.07.2016
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1	Name and Address of the Industry	:	M / s Momentive Performance Materials (I) Pvt. Ltd., B-3, SIPCOT Industrial Growth Centre, Oragadam, Sriperumbudur - Taluk, Kanchipuram - District, PIN: 602 105.	
2	Date of Sampling & Collected by	:	12.07.2016	AEL, TNPCB, Chennai - 600 032.
3	Date of Analysis	:	13.07.2016	
4	Types of Fuel	:	HSD	

Sl. No	Stack Attached to	Stack Temp (K)	Velocity (mtr / sec)	Discharge rate in (Nm ³ / Day)	Pollutants (mg / Nm ³)		
					PM	SO ₂	NO _x
	Protocol	IS 11255: (Part 3) 2008			IS 11255 (Part 1): 1985 Reaff 2003	USEPA CTM 030 / USEPA CTM 034	
1	Boiler - I 1.5 Ton / Hr	465	3.9	15116	25	BDL <1	95
2	Heat Thermic Fluid Boiler 55 Kg/Hr.	440	4.5	18433	29	BDL <1	139
3	DG SET 700 KVA - I.	579	8.5	188991	26	BDL <1	1334
4	DG SET 700 KVA - II.	480	7.9	211878	24	BDL <1	1316
5	Process Speciality Scrubber.	327	---	---	---	8	3

Note: 1. BDL: Below Detection Limit < 1.

2. The test results furnished are restricted to the sampling period only; The results relate to the samples received only. This test report shall not be Reproduced anywhere without the written approval of the Authorised Signatory.

***** END OF REPORT *****

[Signature] 15/7/16
Authorized Signatory
[Dy.C.S.O., C.S.O., AD (L)]
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TAMILNADU POLLUTION CONTROL BOARD

Advanced Environmental Laboratory, Chennai - 600 032.

AMBIENT NOISE LEVEL and TVOC (Ambient) LEVEL Monitoring - REPORT

Report No. TNPCB/AEL - CHN/ 18 /AAQS/SM/NLS/2016 - 2017 Dated: 15.07.2016

(Accredited by NABL as per ISO / IEC 17025 : 2005)



1	Name and Address of the Industry	:	M / s Momentive Performance Materials (I) Pvt. Ltd., B-3, SIPCOT Industrial Growth Centre, Oragadam, Sriperumbudur - Taluk, Kanchipuram - District, PIN: 602 105.	
2	Date of Sampling & Collected by	:	12.07.2016	AEL, TNPCB, Chennai - 600 032.
3	Survey time in Hrs	:	16.00 -17.00	

Sl. NO	Description of survey Location Near	Direction **	Noise Level in L_{eq} dB (A)	TVOC (Ambient) in ppm *
Protocol		IS: 9989 -1981, Reaff 2001		
1	Diesel Tank	N	56	0.024
2	Fire Hydrant Pump House.	NE	52	---
3	ETP.	SE	54	0.006
4	Hazardous Storage (Building) Shed.	S	59	---
5	Ware House Building	SW	61	---
6	Admin Office	NW	60	---
7	HTF Opposite	E	60	0.016
8	Weigh Bridge	W	59	0.028

Leq : Value is the average sound energy over a period of measurement.

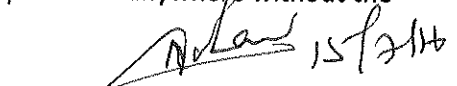
Direction **: Direction from center of the industry premises.

Note: 1. * - The tests marked with an *are not accredited by NABL.

2. CPCB Noise Level Standard for Industrial Area is 75 dB(A) for Day Time & 70 dB(A) for Night Time and for Un Classified Area is 55 dB(A) for Day Time & 50 dB(A) for Night Time.

3. The test results furnished are restricted to the sampling period only; The results relate to the samples received only. This test report shall not be Reproduced anywhere without the written approval of the Authorised Signatory.

***** END OF REPORT *****


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