



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Chennai - 600 032.

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

Report No. TNPCB/AEL - CHN/ 37 /AAQS/SM/NLS/2015 - 2016 Dated: 29.10.2015

Sir,

Sub: Report of Analysis of Ambient Air Quality /
Stack Monitoring / Noise Level survey – regarding.

Ref: Amount Remitted as per the Cash Receipt
No: 14585, Dt: 08.05.2015 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
13.10.2015 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.

Assistant Director (Lab)

Please Refer BILL.

Encl: As above

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

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



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Chennai - 600 032.
AMBIENT AIR QUALITY MONITORING – Report of Analysis

Report No. TNPCB/AEL - CHN/ 37 /AAQS/SM/NLS/2015 - 2016 Dated: 29.10.2015

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	13.10.2015 AEL, TNPCB, Chennai - 600 032.
3	Duration of Sampling	8 Hrs.
4	Date of Analysis	14.10.2015.
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
	30.5	33.6		52	76
Weather Condition	Partially Cloudy		Rain Fall	Nil	
Predominant Wind Direction	SW - NE		Mean Wind Speed (in km / hr)	---	

Sl. No	Location of Sampling Near	Direction *	Distance (in mtrs) *	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	34	14	20
2	Fire Hydrant Pump House.	NE	70	1.5	39	10	17
3	ETP.	SE	50	1.5	28	11	15
4	Hazardous Storage (Building) Shed.	S	40	1.5	24	15	19
5	Ware House Building.	SW	80	1.5	51	12	16
6	Admin Office.	NW	60	1.5	75	10	14

- 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 in full without the written approval of the Authorised Signatory.

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

[Signature]
Assistant Director (Lab)



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Chennai - 600 032.

Source Emission Monitoring Report

Report No. TNPCB/AEL - CHN/ 37 /AAQS/SM/NLS/2015 - 2016 Dated: 29.10.2015

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	: 13.10.2015	AEL, TNPCB, Chennai - 600 032.	
3	Date of Analysis	: 14.10.2015.		
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	By Digital Thermocouple	EPA Method 1 - 3		IS 11255 (Part 1): 1985 Reaff 2003	MRU Vario Plus Flue Gas Analyser	
1	Boiler - I 1.5 Ton / Hr.	350	3.9	20370	15	BDL < 1	107
2	Boiler - II 1.5 Ton / Hr.	396	3.8	17455	15	BDL < 1	95
3	Heat Thermic Fluid Boiler 55 Kg/Hr.	387	3.7	17619	35	BDL < 1	102
4	DG SET 700 KVA-I.	537	8	192553	58	BDL < 1	1051
5	DG SET 700 KVA-II.	517	8.1	202501	36	BDL < 1	2634
6	Process Speciality Scrubber.	---	---	---	---	BDL < 1	1

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 in full without the written approval of the Authorised Signatory.

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

Assistant Director (Lab)



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Chennai - 600 032.
AMBIENT NOISE LEVEL and TVOC LEVEL Monitoring - REPORT

Report No. TNPCB/AEL - CHN/ 37 /AAQS/SM/NLS/2015 - 2016 Dated: 29.10.2015

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	13.10.2015	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 4758 - 1968 Reaff 2002		
1	Diesel Tank.	N	62	0.017
2	Fire Hydrant Pump House.	NE	62	---
3	ETP.	SE	56	0.019
4	Hazardous Storage (Building) Shed.	S	57	---
5	Ware House Building.	SW	69	---
6	Admin Office.	NW	62	---
7	HTF Opposite.	E	69	0.004
8	Weigh Bridge.	W	55	0.009

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

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

Logging Parameters

Instrument Used		Larsen Davis , Model 814.		
Weighting	"A"	Peak Weighting	"C"	Time Weighting
Sound Incidence		Ambient : Random		

Note: 1. CPCB Noise Level Standard for Industrial Area is 75 dB(A) for Day Time & 70 dB(A) for Night Time .

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 in full without the written approval of the Authorised Signatory.

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

Assistant Director (Lab)



TAMILNADU POLLUTION CONTROL BOARD
Advanced Environmental Laboratory, Chennai - 600 032.

BILL

Report No. TNPCB/AEL - CHN/ 37 /AAQS/SM/NLS/2015 - 2016 Dated: 29.10.2015

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	:	13.10.2015	AEL, TNPCB, Chennai - 600 032.

REF: Amount Remitted as per the Cash Receipt No:
14585, Dt: 08.05.2015 is Rs. 93400

Sl. No.	Description	No. of Stations	Rate	Amount
1	Ambient Air Quality Survey	6	3800	22800
2	Stack Monitoring SPM,SO ₂ & NO _x	5	9300	46500
3	Stack Monitoring SO ₂ & NO _x only	1	3200	3200
4	Stack Monitoring SPM only	0	6100	0
5	a. Ambient Noise Level survey	5 (Minimum Points)	4000	4000
	b.Each additional points @Rs.300	3	300	900
6	TVOC	4	4000	16000
TOTAL Rs.				93400
Amount Remitted as per the Cash Receipt No: 14585, Dt: 08.05.2015 is Rs.				93400
Balance Amount to be Remitted or Excess Amount in Credit to be Adjusted is Rs.				- Nil -

(Rupees Ninety Three Thousand and Four Hundred only)

Meteorologist (SG)

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


Assistant Director (Lab)