



**TAMIL NADU POLLUTION CONTROL BOARD**  
**ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI**  
**AMBIENT AIR QUALITY SURVEY – REPORT OF ANALYSIS.**

Report F.No 168/AAQS/2018 - 19, Dated 02.01.19

1	Name of the Industry	M/s Momentive Performance Materials (I) Private Limited
2	Address of the Industry	B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt - 602 105.
3	Date of Survey	05.12.18
4	Duration of Survey	8 Hours
5	Category	Red- Large
6	Land use classification	Industrial

Meteorological Conditions.

Ambient Temperature (°C)	Min	Max	Relative Humidity(%)	Min	Max
	27	31		64	88
Weather condition	Partially Cloudy		Rain Fall (mm)	Slight Drizzling of 1 or 2 Episodes	
Predominant Wind Direction	SW -- NE		Mean Wind Speed (Km/hr.)	9.8	

Ambient Air Quality Survey Results

Sl. No.	Location (On top of Scaffolding Near)	Direction *	Distance (m)*	Height from GL	Pollutants Concentration (µg/m <sup>3</sup> )			
					PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
1	Fuel storage area	N	40	1.5	38	--	4	18
2	Fire Hydrant Pump House	NE	70	1.5	--	17	--	--
3	ETP	SE	50	1.5	--	20	--	--
4	Hazardous waste Storage area	S	40	1.5	41	--	5	20
5	ware house	SW	30	1.5	56	--	7	25
6	Admin Office	NW	60	1.5	53	--	5	21

Note:\* With respect to major emission sources, the analytical results are restricted to the sampling period of 8hrs/24 hrs

Test Performed	Test Method
PM <sub>10</sub>	IS 5182 (Part 23)-2006
PM <sub>2.5</sub>	IS 5182 (Part 23)-2006
SO <sub>2</sub>	IS 5182 (Part 2)-2001 RA:2012
NO <sub>2</sub>	IS 5182 (Part 6)-2006 RA:2012

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Advanced Environmental Laboratory,  
TNPC Board, Chennai – 32



TAMIL NADU POLLUTION CONTROL BOARD

ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI.

STACK MONITORING SURVEY – Report of Analysis.

Report F.No 168/SM/2018 - 19, Dated 02.01.19

1	Name of the Industry	M/s Momentive Performance Materials (I) Private Limited
2	Address of the Industry	B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt - 602 105.
3	Date of Survey	05.12.18
4	Type of Industry	Chemicals

Stack Monitoring Survey Results

Sl. No.	Stack attached to	Stack Temp °K	Velocity in (m/Sec)	Discharge rate in (Nm <sup>3</sup> /hr)	Pollutants (mg/Nm <sup>3</sup> )		
					PM	SO <sub>2</sub>	NO <sub>x</sub>
1	Boiler-1.5 T/h	408	4.2	781	76	165	110.2
2	DG Set - 700 KVA – I	617	11.9	1463	36	43	442
3	DG Set - 700 KVA – II	621	12.3	1502	44	32	519
4	Thermic Fluid Heater 55 Kg/hr	407	7.0	1305	29	32	77
5	Spray Drier	385	6.7	1320	36	21	47.4
6	Off Gas Scrubber	303	-	-	-	1PPM	1PPM

LMDL: Less than Minimum Detectable Limit

Test Performed	Test Method
PM	IS 11255 (Part 1) 1985 Re affirmed in 2003.

*A. Manj*  
2/1/19  
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*A. Manj 9/1/19*  
Assistant Director (Lab)/c,  
Advanced Environmental Laboratory,  
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**TAMIL NADU POLLUTION CONTROL BOARD**  
**ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI.**

**AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Analysis.**  
**Report No. F.No 168/NLS / 2018 - 19, Dated 02.01.19**

1	Name of the Industry	M/s Momentive Performance Materials (I) Private Ltd.,		
2	Address of the Industry	B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt - 602 105.		
3	Date of Survey	05.12.18		
	Category	Red - Large	Land use Classification	Industrial
	Type of Survey	Ambient		
	Meteorological conditions	Calm		

Logging Parameters

Instrument Used	Larsen and Davis				
Logging Interval	10 Minutes at each point	Measuring Range	50 dB (A) – 110 dB(A)		
Weighting	"A"	Peak Weighting	"C"	Time Weighting	Fast
Sound Incidence	Frontal		Time in hrs.	13.30 to 15.00Hrs	

Report of Noise Level Monitoring.

Sl. No.	Location	Duration (min)	Distance (m)	Direction	Sound Level-dB(A) Leq	TVOC PPM
1	Near Fuel storage aea	10	40	N	65	0.428
2	Near Fire hydrant pump house	10	70	NE	53.3	0.447
3	Near ETP	10	50	SE	58.1	0.469
4	Near HW Storage section	10	40	S	54.8	-
5	NNar ware house Building	10	80	SW	55.6	-
6	Near Admin Office	10	60	NW	51.4	-
7	Near Power house	10	50	W	50.4	-
8	Near Boiler area	10	50	NNW	51.5	0.418

: Leq value is the average energy for the measured period.

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TAMIL NADU POLLUTION CONTROL BOARD

ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI.

Bill

Lr.No. F.No 168/AAQ/SM/2018 - 19 Dated 02.01.19

To  
M/s Momentive Performance Materials (I) Pvt. Ltd.,  
B-3, Sipcot Industrial Growth Centre,  
Oragadam, Sriperumbudur Tk  
Kancheepuram Dt - 602 105.

Ref: Cash Receipt No.39026 dated 23.8.2018 for Rs 93,400/-

Sl. No.	Description	No. of Stations	Rate (Rs.)	Amount (Rs.)
1	Ambient Air Quality Survey	6	3800	22,800
2	Stack Monitoring (PM, SO <sub>2</sub> NO <sub>2</sub> )	5	9,300	46,500
3	Stack Monitoring (SO <sub>2</sub> NO <sub>2</sub> Only)	1	3200	3200
4	Ambient Noise Level testing charges (First 5 Points)	5	4,000	4000
5	Ambient Noise Level testing charges (for each additional points)	3	300	900
6	VOC Sampling charges	4	4000	16,000
Total				93,400
Less: Advance received vide above Cash Receipt				93,400
Balance to adjust / pay.				Nil

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DCSO 2/1/19

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Assistant Director (Lab) i/c,  
Advanced Environmental Laboratory,  
TNPC Board, Chennai - 32.