



TAMILNADU POLLUTION CONTROL BOARD

Ambient Air Quality and Noise Level survey in Tamilnadu **During Deepavali 2017**

Tamilnadu Pollution Control Board has conducted Ambient Air Quality surveys and Noise level surveys in 5 places in Chennai city during 2017, namely, Triplicane, Besant Nagar, Nungambakkam, Sowcarpet and T.Nagar, to monitor the impact of Deepavali celebrations on air quality as per the guidelines given by the Central Pollution Control Board. Similar surveys were also conducted in other major towns viz., Madurai, Salem, Coimbatore, Trichy, Cuddalore, Tirunelveli, Thoothukudi, Hosur, Tiruppur, Vellore and Dindigul.

The Ambient Air Quality surveys were conducted from 12.10.2017-06.00 hrs to 13.10.2017-06.00 hrs (Pre-Deepavali survey) and from 18.10.2017-06.00 hrs to 19.10.2017-06.00 hrs (Deepavali survey). The Noise level surveys were conducted on 12.10.2017 from 18.00 hrs to 24.00 hrs (Pre-Deepavali survey) and on 18.10.2017 from 18.00 hrs to 24.00 hrs (Deepavali survey).

The reports on the Ambient Air Quality and Noise levels observed during the surveys are enclosed at Table-1 and Table-2.

Table-1

**Ambient Air Quality at Various Cities of Tamilnadu during
Deepavali - 2017**

Sl. No.	Places	2017					
		Pre Deepavali (12.10.2017)			Deepavali (18.10.2017)		
		PM ₁₀	SO ₂	NO ₂	PM ₁₀	SO ₂	NO ₂
1	Chennai city						
a	Triplicane (R)	47	6	11	597	13	20
b	Basant Nagar (R)	62	7	17	387	11	19
c	Nungambakkam (R)	50	9	14	541	16	23
d	Sowcarpet (C)	70	10	24	777	19	29
e	T.Nagar (C)	68	9	16	529	15	21
Major towns							
2	Madurai						
a	Thirunagar (R)	40	10	17	64	13	20
b	JK Hospital, K. Pudur (S)	50	12	19	62	14	22
c	Madurai Corporation South Zone Office (C)	84	19	32	95	20	33
3	Salem						
a	Sri Saradha Balamandhir Metric Higher Secondary School (R)	65	10	24	162	17	47
b	Siva Tower (C)	58	7	25	176	20	47
c	Salem Sowdeswari College (C)	58	7	28	138	15	43
4	Coimbatore						
a	PSG College of Arts & Science, Peelamedu (S)	34	5	23	68	9	28
b	District Collector Office, Coimbatore (C)	36	6	23	65	11	25
c	Goundamapalayam (R)	57	6	25	172	12	36
5	Trichy						
a	Gandhi Market (C)	90	19	22	119	22	27
b	Bishop Heber College (R)	48	11	15	86	17	22
c	Ramalinga Nagar, Woriyur (R)	73	12	16	171	20	24

6	Cuddalore						
a	Imperial Road, Cuddalore town (C)	56	14	24	63	22	31
b	Pudupalayam near Sekar Nagar (R)	45	11	16	56	21	24
c	Eachankadu (R)	41	12	18	47	19	21
7	Tirunelveli						
a	Tirunelveli Town (R)	38	<4	23	123	16	25
b	Vannerpettai (C)	42	<4	16	90	17	26
c	Pettai (S)	41	<4	15	69	20	27
8	Hosur						
a	Devaki Nursing Home (C)	34	13	23	73	38	56
b	INEL transit House (R)	23	11	21	91	54	67
c	ESI Hospital (S)	32	14	21	60	51	60
9	Tiruppur						
a	Kumaran Complex (C)	60	29	28	54	24	30
b	Jeevabai Corporation Higher Sec. School (S)	58	32	28	58	29	33
c	Rayapuram (R)	52	23	32	85	46	37
10	Vellore						
a	Gandhi Nagar (R)	54	5	28	286	11	39
b	Adhithya Auto Engineering (P) Ltd, Kangeyanallur (I)	47	<4	25	178	8	32
c	Thiru Nagar (C)	65	6	26	169	10	34
11	Dindigul						
a	Rajagopal Iyengar Petrol Bunk (C)	58	13	24	229	29	43
b	Nagal Pudur (R)	54	10	17	185	28	40
c	Collectorate (S)	42	8	14	59	8	14
12	Thoothukudi						
a	Cellseeni Colony, Tuticorin (R)	37	15	13	132	20	15
	NAAQ Standards (24 hrs)	100	80	80	100	80	80
All values are in $\mu\text{g}/\text{m}^3$ (24 hrs average)							
R-Residential, S- Sensitive, C-Commercial, I- Industrial							
Survey time: 06.00hrs to 06.00hrs							

DCSO 16/08/19

Deputy Director (Labs)
Tamilnadu Pollution Control Board
Chennai - 600 032.

Table-2
Ambient Noise Levels at Various Cities of Tamilnadu during
Deepavali 2017

Sl.No.	Name of the city	2017	
		Pre Deepavali day (12.10.2017)	Deepavali day (18.10.2017)
		All values are in Leq dB(A)	
1	Chennai		
a	Triplicane (R)	62	75
b	Besant Nagar (R)	62	68
c	Nungambakkam (R)	71	80
d	Sowcarpet (C)	68	71
e	T.Nagar (C)	64	77
	Major Towns		
2	Madurai		
a	Thirunagar (R)	65	69
b	JK Hospital, K. Pudur (S)	77	73
c	Madurai Corp. South Zone Office (C)	64	73
3	Salem		
a	Sri Saradha Balamandhir Metric Higher Secondary School (R)	62	82
b	Siva Tower (C)	66	76
c	Salem Sowdeswari College (C)	51	60
4	Coimbatore		
b	Goundamapalayam (R)	62	72
c	District Collector Office (C)	60	66
5	Trichy		
a	Thillai Nagar , 10 th Cross (R)	55	82
6	Cuddalore		
a	Pudupalayam Sekar Nagar (R)	61	72
b	Imperial Road, (C)	72	76
7	Tirunelveli		
a	Pettai (S)	55	76
b	Vannarpettai (C)	57	84
8	Hosur		
a	Devaki Nursing Home (C)	---	63
b	INEL transit House (R)	---	81
c	ESI Hospital (S)	---	76
9	Tiruppur		
a	Kumaran Complex (C)	62	58
b	Rayapuram (R)	52	70

10	Vellore		
a	IInd East Main Road, Gandhi Nagar (R)	66	68
11	Dindigul		
a	Near Rajagopal Iyengar Petrol Bunk (C)	73	73
b	Nagal Pudhur (R)	53	65
12	Thoothukudi		
a	Celseeni Colony, Thothukudi(R)	48	57
<p>Noise Level Standards (Day / Night) 55 dB(A) (Day) / 45 dB(A) (Night) for residential area 65 dB(A) (Day) / 55 dB(A) (Night) for commercial area</p>			
<p>Survey Time: 18.00 hrs to 24.00 hrs R-Residential, S- Sensitive, C-Commercial, I- Industrial</p>			

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