



# TELANGANA STATE POLLUTION CONTROL BOARD

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## Diwali Monitoring in Hyderabad City-2021

Telangana State Pollution Control Board is regularly monitoring the Ambient Air Quality(AAQ) with respect to the particulate matter, gases and noise levels in the city and at various places in the state of Telangana. The special purpose (Diwali) AAQ monitoring in compliance to the CPCB directions is being carried out from 28<sup>th</sup> October, 2021 to till date and will be continued up to 11<sup>th</sup>, November, 2021. The Noise level monitoring is carried out through 10 real time noise monitoring stations. The noise data of the 29<sup>th</sup> October, 2021 is taken as pre-diwali data and that of the 4<sup>th</sup> November as Diwali data.

Parameter	2020		2021		Remarks
	Normal	Diwali	Normal	Diwali	
PM2.5* in ug/m <sup>3</sup> Standard 24 hours average - 60	51	64	55	81	The concentrations have increased with respect to PM2.5 and PM10 when compared to normal day.
PM10 in ug/m <sup>3</sup> Standard 24 hours average - 100	119	128	108	118	

\*PM 2.5& 10: Particulate Matter of size less than 2.5 Microns& 10 microns respectively.

Parameter	2020		2021		Remarks
	Normal	Diwali	Normal	Diwali	
Sulphur dioxide (SO <sub>2</sub> )in ug/m <sup>3</sup> Standard 24 hours average – 80 ug/m <sup>3</sup>	6.8	8.4	6.4	5.8	The concentrations decreased moderately when compared to normal day and meeting the standards.
Oxides of Nitrogen (NO <sub>x</sub> )in ug/m <sup>3</sup> Standard 24 hours average – 80 ug/m <sup>3</sup>	38.9	41.3	34.5	28.5	

**Noise Levels:** The Noise levels are being monitored in and around city at 10 locations through continuous Real Time Noise monitoring stations that capture data at regular intervals.

Area and number of stations	2020 in dB Leq				2021 in dB Leq				Standards in dB Leq	
	Normal 9-11-2020		Diwali 14-11-2020		Normal 29-10-2021		Diwali 04-11-2021		Day	Night
	Day	Night	Day	Night	Day	Night	Day	Night		
Industrial(2)	65	60	63	60	72	71	70	66	75	70
Commercial(4)	71	67	70	70	68	66	65	63	65	55
Residential(3)	62	55	59	63	59	58	66	61	55	45
Sensitive(1)	58	55	42	42	69	69	68	64	50	40

Day time average (06.00Hrs to 22.00Hrs)

Night time average (22.00Hrs to 06.00Hrs)

It is observed that except in Residential area, there is a decrease in the noise levels in the day & night when compared to normal day.