

**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI
ORIGINAL APPLICATION No. 195 OF 2016**

IN THE MATTER OF:

Tandur Citizens Welfare Society Applicant(s)

Versus

Government of Telangana,
Represented by its Secretary,
Hyderabad & Ors Respondent(s)

REPORT OF TELANGANA STATE POLLUTION CONTROL BOARD

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Place: Hyderabad

Date: 27-03-2021

REPORT DATED 27-03-2021 OF THE TELANGANA STATE POLLUTION CONTROL BOARD (R4) IN ORIGINAL APPLICATION No. 195 OF 2016 FILED BY TANDUR CITIZENS WELFARE SOCIETY, TANDUR, VIKARABAD DISTRICT.

It is to submit that the Hon'ble NGT, Chennai in its Order dated 26.02.2021 directed the Telangana State Pollution Control Board to conduct further inspection of that area and conduct Ambient Air Quality Test and also submit a report as to whether there is any improvement in the Ambient Air Quality in that area and whether the temporary measures that have been adopted by the cement companies are sufficient to protect the interest of the local people against the pollution that is being complained of and suggest if any further improvement is required or any steps will have to be taken for redressing the grievance of the people in that locality so as to arrest the air pollution till permanent measure that is being adopted by the Government are implemented and directed to submit a further report.

In this regard, the following is submitted: -

The Board Officials have conducted Ambient Air Quality Monitoring (AAQM) in Tandur Town at 3 locations i.e., (i). Terrace of Police Station, Tandur, (ii).Terrace of Satya Sai Temple & (iii). Near Office room of HP Petrol Bunk. The analysis reports (**Annexure-I**) are tabulated below: -

Table 1: AAQM Results of Tandur Town monitored on the terrace of Tandur Police Station, Shanthi Nagar Colony, Tandur (M), Vikarabad District.

Date of sampling	Time and duration of sampling	PM₁₀ µg/m³	TSPM µg/m³	SO₂ µg/m³	NO_x µg/m³
19.03.2021 & 20.03.2021	12:30 pm to 08:30 pm	89	352	9	30
	08:30 pm to 04:30 am	76	313	9	42
	04:30 am To 12:30 pm	72	218	12	40
24 Hours Average		79	294.3	10.0	37.3
National Ambient Air Quality Standards (NAAQS)		100	---	80	80

Table 2: AAQM Results of Tandur Town monitored on the Terrace of Sri Satya Sai Seva Sadan, (Control Station).

Date of sampling	Time and duration of sampling	PM ₁₀ µg/m ³	TSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
19.03.2021 & 20.03.2021	01:00 pm to 09:00 pm	87	297	8	42
	09:00 pm to 05:00 am	68	201	7	39
	05:00 am To 01:00 pm	62	266	15	36
24 Hours Average		72	254.7	10.0	39.0
National Ambient Air Quality Standards (NAAQS)		100	--	80	80

Table 3: AAQM Results of Tandur Town monitored near office room of HP Petrol Bunk of M/s. Faiyaz & Co. (Adjacent to Leo-9 Fuel Station), Gouthapur (V), Chincholi Road, Tandur (M), Vikarabad Dist.

Date of sampling	Time and duration of sampling	PM ₁₀ µg/m ³	TSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
19.03.2021 & 20.03.2021	01:30 pm to 09:30 pm	136	482	8	42
	09:30 pm to 05:30 am	291	1079	12	40
	05:30 am To 01:30 pm	274	1266	12	38
24 Hours Average		233.7*	942.3	10.7	40.0
National Ambient Air Quality Standards (NAAQS)		100	---	80	80

***Note:** The road work is under construction stage. Hence the Particulate matter (PM₁₀) has exceeded the standards due to the dust generated from the vehicular movement.

As per the analysis reports, all the parameters (PM₁₀, SO₂ & NO_x) at all three locations are well within the limits as against National AAQ Standards, except the PM₁₀ at HP Petrol Bunk of M/s. Faiyaz & Co. (Adjacent to Leo-9 Fuel Station), Gouthapur, Tandur has exceeded due the dust generated from the vehicular movement, as the road work is under maintenance. The R&B Dept., authorities have informed the road work will be completed within one month i.e., by 31.05.2021.

The Ambient Air Quality in Tandur Town has been improved due the following measures taken by the concerned authorities: -

- i. The Municipal authorities are sweeping roads every day, sprinkling of water with dedicated water tanker on the roads to suppress the dust generated during the vehicular movement.
- ii. Door to door solid waste management system implemented.
- iii. Open burning of municipal solid waste controlled.
- iv. The construction of bye-pass road for Tandur Town has commenced.
- v. Tandur Stone Cutting & Polishing Units Association are using temporarily allotted land for dumping of stone chips & stone slurry.
- vi. There are four nos. of gypsum industries located in and around Tandur Town and regularly lifting stone slurry for manufacturing of Gypsum.

It is further submitted that there are three Respondent cement industries in Telangana State viz., M/s.Penna Cements Ltd., M/s. Cement Corporation of India Ltd., & M/s.India Cements Ltd., and are located at a distance of 6 Kms to 11 Kms from the Tandur Town.

The Board has directed all the cement industries to install Online Continuous Emission Monitoring System (OCEMS) for Stack and Continuous Ambient Air Quality Monitoring (CAAQM) System. Accordingly, all the above cement industries have installed OCEMS and CAAQM systems and connected to the servers of CPCB & TSPCB. The Board is having a dedicated Online Continuous Monitoring Section and continuously monitoring the values of OCEMS and CAAQM. As and when the parameters are exceeding the standards stipulated by the Board, system generated alerts (messages) are sent to the industries to rectify the same immediately.

As per the continuous monitoring system values, the parameters (PM_{2.5}, PM₁₀, Particulate Matter, SO₂, NOx) are well within the limits for M/s. India Cements Ltd, and exceeded few times in case of M/s.Cement Corporation of India Ltd., and M/s. Penna Cements Ltd. The Board has reviewed the status of the industries and issued directions and also levied the Environmental Compensation to the non-complying industries (M/s. Cement Corporation of India Ltd., and M/s. Penna Cements Ltd). The industries also paid the Environmental Compensation.

The cement industries are directly not causing pollution to Tandur Town. However, the heavy vehicles carrying some of the raw materials and products are plying through Tandur Town, which are causing air pollution in the Town.

The following measures are suggested to be taken up by the concerned Authorities to further improve the Ambient Air Quality in Tandur Town: -

- i. The vehicles carrying raw materials and products shall be covered completely.
- ii. The frequency of intervals of cleaning / sweeping of roads and water sprinkling through dedicated water tanker shall be increased.
- iii. The stone cutting and polishing units shall not dispose stone chips and slurry along the roadside.
- iv. The R&B Department shall complete the remaining road work which is under construction at HP Petrol Pump, Gouthapur, Tandur.
- v. The R&B Department shall complete the bye-pass road construction of Tandur Town at the earliest.

The Board will regularly monitor the Ambient Air Quality in Tandur Town. Further, the Board will regularly monitor the Stack Emissions and AAQM in the Cement industries for compliance of the Board directions.

Date: 27-03-2021.

Place: Hyderabad.

Sd/-

MEMBER SECRETARY

// T.C.F.B.O //



**SENIOR ENVIRONMENTAL ENGINEER
LEGAL, TSPCB, HEAD OFFICE, HYD.**

	TELANGANA STATE POLLUTION CONTROL BOARD ZONAL LABORATORY: HYDERABAD ZONE H. No : 1-8-269, Balasamudram, Warangal – 506001 ISO 9001:2015 (Q-180211R) & ISO-45001:2018 (S-180204R)
	ISO Certified Laboratory Ambient Air Quality Analysis Reports

Sample Nos. :	ZLWGL21-034914 to 034916
Name of the industry:	Tandur Police Station Shanthi nagar colony, Tandur (M), Vikarabad Dist.
Samples Collected & Submitted by :	Zonal laboratory, Warangal

Sampling Location	Sample No.	Date of sampling	Time and duration of sampling	PM ₁₀ µg/m ³	TSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
Ambient Air Quality Monitoring was carried out on terrace of Police station, Tandur.	ZLWGL21-034914	19.03.2021 & 20.03.2021	12:30 pm to 08:30 pm	89	352	9	30
	ZLWGL21-034915		08:30 pm to 04:30 am	76	313	9	42
	ZLWGL21-034916		04:30 am to 12:30 pm	72	218	12	40
24 Hours Average				79	294.3	10.0	37.3
National Ambient Air Quality Standards (NAAQS)				100	-	80	80
NAAQS, CPCB Notification, New Delhi Dt. 18.11.2009[(Schedule VII) (Rule 3(3B)) of E(P), Act,1986.							
PM ₁₀ – Particle size less than 10 micrometers.							
Field observation:		I. Sampling site is predominantly down wind to the industry.					


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TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL LABORATORY: HYDERABAD ZONE
H. No : 1-8-269, Balasamudram, Warangal – 506001
ISO 9001:2015 (Q-180211R) & ISO-45001:2018 (S-180204R)
ISO Certified Laboratory

Ambient Air Quality Analysis Reports

Sample Nos. :	ZLWGL21-034917 to 034919
Name of the industry:	Ambient Air Quality Monitoring at Sri Satya Sai Seva Sadan, (Control Station), Patel Garden near Railway gate, Tandur (M), Vikarabad Dist.
Samples Collected & Submitted by :	Zonal laboratory, Warangal

Sampling Location	Sample No.	Date of sampling	Time and duration of sampling	PM ₁₀ µg/m ³	TSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
Ambient Air Quality Monitoring was carried out on terrace of Satya Sai temple.	ZLWGL21-034917	19.03.2021 & 20.03.2021	01:00 pm to 09:00 pm	87	297	8	42
	ZLWGL21-034918		09:00 pm to 05:00 am	68	201	7	39
	ZLWGL21-034919		05:00 am to 01:00 pm	62	266	15	36
24 Hours Average				72	254.7	10.0	39.0
National Ambient Air Quality Standards (NAAQS)				100	-	80	80
NAAQS, CPCB Notification, New Delhi Dt. 18.11.2009[(Schedule VII) (Rule 3(3B))] of (E(P), Act, 1986. PM ₁₀ – Particle size less than 10 micrometers.							

S. V. S. Reddy

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	TELANGANA STATE POLLUTION CONTROL BOARD ZONAL LABORATORY: HYDERABAD ZONE H.No : 1-8-269, Balasamudram, Warangal – 506001
	ISO Certified Laboratory ISO 9001:2015 (Q-180211R) & ISO-45001:2018 (S-180204R)
	Ambient Air Quality Analysis Reports

Sample Nos. :	ZLWGL21-034920 to 034922
Name of the industry:	Ambient Air Quality Monitoring was carried out near office room of HP petrol bunk. of M/s. Faiyaz & Co., (Adjacent to M/s. Leo Fuel Station), Gouthapur (V), Chincholi Road, Tandur (M), Vikarabad Dist.
Samples Collected & Submitted by :	Zonal laboratory, Warangal.

Sampling Location	Sample No.	Date of sampling	Time and duration of sampling	PM ₁₀ µg/m ³	TSPM µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³
Ambient Air Quality Monitoring was carried out near office room of HP petrol bunk.	ZLWGL21-034920	19.03.2021 & 20.03.2021	01:30 pm to 09:30 pm	136	482	8	42
	ZLWGL21-034921		09:30 pm to 05:30 am	291	1079	12	40
	ZLWGL21-034922		05:30 am to 01:30 pm	274	1266	12	38
24 Hours Average				233.7	942.3	10.7	40.0
National Ambient Air Quality Standards (NAAQS)				100	-	80	80
NAAQS, CPCB Notification, New Delhi Dt. 18.11.2009[(Schedule VII) (Rule 3(3B))] of E(P), Act,1986.							
PM ₁₀ – Particle size less than 10 micrometers.							
Field observation:	Predominantly down wind direction to industry.						


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