

No. PCC/DDD/NGT-249/2020-21/347
Office of the Member Secretary,
Pollution Control Committee,
DNH & DD,
Daman

Date:- 24/11/2020

To,
The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032.

Sub: - Action taken report against the order dated 09/11/2020 on "Ban of fire-crackers" passed by the Hon'ble National Green Tribunal in the matter of O.A. No. 254 of 2020 - Reg.

Ref: - Your e-mail dated 17/11/2020.

Sir,

With reference to above cited subject, the compliance against the order dated 09/11/2020 on "Ban of fire-crackers" passed by the Hon'ble National Green Tribunal in the matter of O.A. No. 254 of 2020 and it is to inform that the Pollution Control Committee, DNH & DD has carried out the Ambient Air Quality Monitoring during prior to Deepawali 7 days & after Deepawali 7 days at Taxi Stand, Nani Daman, the Collectorate, Moti Daman, Kilvani Chokdi Gram Panchayat, Silvassa and at Naroli Bridge, Silvassa. The action take report along with ambient air quality data is enclosed .

This is for kind information and further needful please.

Yours faithfully,


Member Secretary,
Pollution Control Committee,
Dadra & Nagar Haveli and Daman & Diu,
Daman

Encl: - As above

Copy to;

- (i) Shri Prasoon Gargava, Regional Director, Regional Director (W), Central Pollution Control Board, "Parivesh Bhawan", Opp. Ward No. 10 VMC Office, Subhanpura, Vadodara-390023.

Action taken report against the order dated 09/11/2020 passed by the Hon'ble National Green Tribunal in the matter of O.A. No. 254 of 2020 regarding "Ban of fire-crackers"

In compliance with the direction of the Hon'ble National Green Tribunal in the matter of O.A. No. 254 of 2020, Tribunal on its own Motion Vs Ministry of Environment, Forest & Climate Change & Ors, the action taken report is submitted as under,

1. The average Ambient Air Quality for DNH & Daman for the month of November, 2019 was well within the prescribed limit and falls under satisfactory level.
2. The Pollution Control Committee, DNH & DD issued an order wherein **green fire crackers** are only permitted in the Union Territory of Dadra & Nagar Haveli and Daman & Diu & the timings for use and bursting of fire crackers have been restricted to only two hours i.e. from 8.00 to 10.00 PM on Diwali, 6.00 to 8.00 AM on Chatt Puja and 11.55 to 12.30 PM on Christmas & New Year eve. The copy of the said order is enclosed as **Annexure-I**.
3. The ambient air quality is being monitored every year during Deepawali festival. Below mentioned places were inspected during the Deepawali festival;
 - a) Kilvani Chokdi Gram Panchayat, Silvassa and Hotel Yatri Niwas, Near Naroli Bridge in Silvassa.
 - b) Taxi Stand, Nani Daman, Daman and Security Gate of the Collector office, Moti Daman in Daman.
4. Report on air quality status in 2019 and in 2020 during Diwali festival is enclosed as **Annexure-II**.

**UT ADMINISTRATION OF
DADRA & NAGAR HAVELI AND DAMAN & DIU
POLLUTION CONTROL COMMITTEE
DAMAN**

No. PCC/DDD/NGT-249/2020-21/ 808

Date 10.11.2020

ORDER

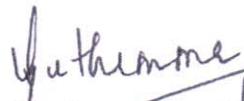
In compliance with the directions contained in Hon'ble National Green Tribunal, Principal Bench, New Delhi Order dated 09.11.2020 in the matter of Original Application No. 249/2020 (IA No. 370/2020; IA No. 371/2020, IA No. 372/2020 and IA No. 373/2020) and in furtherance of the Circular issued by the Secretary (Industries), DNH & DD vide No. Secy(Ind.)/DMN/PA/2020-21/786 dated 08.11.2020, in order to maintain the ambient air quality as per prescribed norms, it is hereby ordered that only **green fire crackers** are permitted to be sold in the Union Territory of Dadra & Nagar Haveli and Daman & Diu and the timings for use and bursting of crackers shall be as follows:-

- (i) Diwali and Gurupurb - 8:00 to 10:00 PM
- (ii) Chatt - 6:00 to 8:00 AM and;
- (iii) Christmas & New Year eve - 11:55 PM to 12:30 AM.

The District Collectors and Superintendents of Police shall implement the aforesaid order in their respective districts and ensure strict compliance. Any violations should be dealt as per relevant Rules/Acts including penal action.

The PCC, DNH & DD may initiate special drive to contain air pollution and regularly monitor the air quality during this period and upload the data in their website.

This issues with the approval of the Hon'ble Administrator vide Diary No. 660199 dated 10/11/2020


(A. Muthamma) 10/11/2020
Chairman
Pollution Control Committee
DNH & DD

To:

1. The Collectors, DNH/Daman/Diu.
2. The Superintendents of Police, DNH/Daman/Diu.

Copy to:

1. PS to the Hon'ble Administrator, DNH & DD.
2. PS to the Advisor to the Hon'ble Administrator, DNH & DD.
3. The Member Secretary, PCC, DNH & DD.
4. Dy. Inspector General of Police, DNH & DD for information and necessary action.

4/53

Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli
By – UniStar Environment and Research Labs Pvt. Ltd.

Dadra & Nagar Haveli

Test Reports No. UERI/19/11/A-PCC003

Location : AAQM - 1 (At Hotel Yatri Niwas), (Lat.N 20.27128° & Long. E 72.98942°)

Silvassa

Sr. No.	Date of Monitoring	Regulatory Parameters with Results						Proposed New Parameters with Results										
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}									
						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)			
1	20-10-2019	74	23	11.1	11.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
2	21-10-2019	77	26	11.3	12.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
3	22-10-2019	88	27	11.3	12.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
4	23-10-2019	75	23	11.3	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
5	24-10-2019	86	27	12.9	14.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
6	25-10-2019	89	30	11.3	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
7	26-10-2019	76	25	12.3	14.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
8	27-10-2019	92	31	14.1	14.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
9	28-10-2019	90	29	13.2	14.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
10	29-10-2019	74	22	13.9	14.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
11	30-10-2019	77	25	12.5	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
12	31-10-2019	87	30	11.6	14.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.



Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli

By – UniStar Environment and Research Labs Pvt. Ltd.

Dadra & Nagar Haveli

Location : AAQM - 1 (At Hotel Yatri Niwas), (Lat.N 20.27128° & Long. E 72.98942°)

Test Reports No. UERL/19/11/A-PCC003

Proposed New Parameters with Results

Metals/Elements in PM_{2.5}

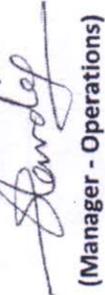
Sr. No.	Date of Monitoring	Regulatory Parameters with Results										Proposed New Parameters with Results						
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}									
					Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)				
13	01-11-2019	73	22	12.3	12.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.				
14	02-11-2019	80	28	11.6	12.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.				
15	03-11-2019	89	30	11.1	12.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.				
Max.		92	31	14.1	14.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.				
Min.		73	22	11.1	11.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.				
Avg.		82	27	12.1	13.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.				
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	1.0	20.0	6.0	1.0	20.0	6.0	--	--	--				

NOTE: ALL VALUE (24 Hourly Avg.) are in µg/m³, Note: BDL <1 ppb, N.A: Not Analysed.

Prepared By:


(Chemist)/(Sr. Chemist)

Authorized By:


(Manager - Operations)



Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli

By – UniStar Environment and Research Labs Pvt. Ltd.

Dadra & Nagar Haveli

Location : AAQM - 2 (At **Kilvani Naka**), (Lat.N 20.27307° & Long. E 73.00750°)

Silvassa

Test Reports No. UERL/19/11/A-PCC004

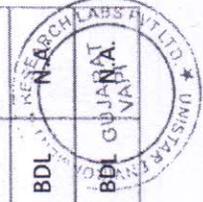
Proposed New Parameters with Results

Regulatory Parameters with Results

Metals/Elements in PM_{2.5}

Metals in PM₁₀

Sr. No.	Date of Monitoring	Regulatory Parameters with Results				Proposed New Parameters with Results									
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)
1	20-10-2019	68	21	9.9	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
2	21-10-2019	79	25	10.3	11.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
3	22-10-2019	72	22	12.5	11.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
4	23-10-2019	80	27	11.5	10.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
5	24-10-2019	73	22	11.6	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
6	25-10-2019	82	24	11.2	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
7	26-10-2019	85	27	10.7	13.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
8	27-10-2019	89	30	13.5	13.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
9	28-10-2019	83	26	13.6	12.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
10	29-10-2019	84	28	10.7	13.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
11	30-10-2019	74	23	10.4	13.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
12	31-10-2019	71	20	12.8	12.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.



4/31

Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli
By – UniStar Environment and Research Labs Pvt. Ltd.

Dadra & Nagar Haveli

Test Reports No. UERL/19/11/A-PCC004

Location : AAQM - 2 (At Kilvani Naka), (Lat.N 20.27307° & Long. E 73.00750°)

Silvassa

Sr. No.	Date of Monitoring	Regulatory Parameters with Results										Proposed New Parameters with Results						
		Metals in PM ₁₀					Metals in PM _{2.5}					Metals/Elements in PM _{2.5}						
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)			
13	01-11-2019	85	27	11.9	11.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
14	02-11-2019	69	21	11.5	11.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
15	03-11-2019	71	24	10.3	11.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
	Max.	89	30	13.6	13.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
	Min.	58	20	9.9	10.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
	Avg.	73	24	11.5	12.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.	
	Permissible Value as per NAAQMS	100.0	60.0	80.0	80.0	1.0	20.0	6.0	1.0	20.0	6.0	1.0	20.0	6.0	--	--	--	

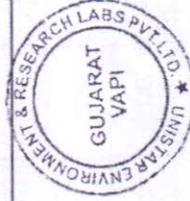
NOTE: ALL VALUE (24 Hourly Avg.) are in µg/m³ , Note: BDL <1 ppb, N.A: Not Analysed.

Prepared By:


(Chemist)/(Sr. Chemist)

Authorized By:


(Manager - Operations)



4537

Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli

By – UniStar Environment and Research Labs Pvt. Ltd.

Daman area

Location : AAQM - 1 (At Collector Office Security Gate) *Moti Daman, Daman*
 (Lat. N 20.39423° & Long. E 72.83270°)

Test Reports No. URA/19/11/A-PCC001

Sr. No.	Date of Monitoring	Regulatory Parameters with Results						Proposed New Parameters with Results							
		Metals in PM ₁₀						Metals/Elements in PM _{2.5}							
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)
1	20-10-2019	59	15	7.7	10.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
2	21-10-2019	70	23	8.7	11.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
3	22-10-2019	62	20	9.6	13.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
4	23-10-2019	58	18	8.7	11.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
5	24-10-2019	73	21	9.3	11.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
6	25-10-2019	68	19	9.2	12.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
7	26-10-2019	59	16	9.7	12.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
8	27-10-2019	74	23	10.4	12.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
9	28-10-2019	68	22	11.6	13.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
10	29-10-2019	61	20	10.1	12.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
11	30-10-2019	55	17	10.8	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
12	31-10-2019	50	15	9.6	11.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.



Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli
By – UniStar Environment and Research Labs Pvt. Ltd.

Daman area															
Location : AAQM - 1 (At Collector Office Security Gate) <i>moti Daman, Daman</i> (Lat.N 20.39423° & Long. E 72.83270°) Test Reports No. URA/19/11/A-PCC001															
Sr. No.	Date of Monitoring	Regulatory Parameters with Results						Proposed New Parameters with Results							
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}						
						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)
13	01-11-2019	65	21	10.5	11.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
14	02-11-2019	70	23	10.3	10.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
15	03-11-2019	58	19	10.1	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Max.	74	23	11.6	13.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Min.	50	15	7.7	10.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Avg.	63	19	9.8	11.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Permissible Value as per NAAQMS	100.0	60.0	80.0	80.0	1.0	20.0	6.0	1.0	20.0	6.0	--	--	--	--

NOTE: ALL VALUE (24 Hourly Avg.) are in µg/m³, Note: BDL < 1 ppb, N.A: Not Analysed.

Prepared By: 
(Chemist)/(Sr. Chemist)

Authorized By: 
(Manager - Operations)



9545

Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli

By – UniStar Environment and Research Labs Pvt. Ltd.

Daman area

Location : AAQM - 2 (At Near Commercial Market Taxi Stand) *Nami Daman, Daman* Test Reports No. URA/19/11/A-PCC002

(Lat.N 20.41771° & Long. E 72.83432°)

Sr. No.	Date of Monitoring	Regulatory Parameters with Results										Proposed New Parameters with Results						
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}									
						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)			
1	20-10-2019	67	23	11.2	12.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
2	21-10-2019	81	28	12.4	13.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
3	22-10-2019	55	23	10.1	13.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
4	23-10-2019	75	26	12.1	14.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
5	24-10-2019	84	30	12.8	14.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
6	25-10-2019	68	22	13.1	13.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
7	26-10-2019	80	28	11.5	15.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
8	27-10-2019	75	23	14.0	15.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
9	28-10-2019	84	27	13.5	16.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
10	29-10-2019	91	32	14.1	15.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
11	30-10-2019	71	22	11.5	14.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
12	31-10-2019	74	23	12.4	13.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.



Ambient Air Quality Monitoring Data During Deepawali Festival - 2019

For Pollution Control Committee, Daman and Dadra & Nagar Haveli

By – UniStar Environment and Research Labs Pvt. Ltd.

Daman area

Location : AAQM - 2 (At Near Commercial Market Taxi Stand) *Nani Daman, Daman* Test Reports No. URA/19/11/A-PCC002
(Lat.N 20.41771° & Long. E 72.83432°)

Proposed New Parameters with Results

Regulatory Parameters with Results

Sr. No.	Date of Monitoring	Regulatory Parameters with Results										Proposed New Parameters with Results							
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}										
						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)				
13	01-11-2019	76	27	11.9	13.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
14	02-11-2019	73	25	12.4	14.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
15	03-11-2019	65	22	11.3	14.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Max.	91	32	14.1	16.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Min.	65	22	10.1	12.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Avg.	75	25	12.3	14.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	N.A.
	Permissible Value as per NAAQMS	100.0	60.0	80.0	80.0	1.0	20.0	6.0	1.0	20.0	6.0	6.0	--	--	--	--	--	--	--

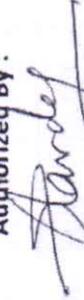
NOTE: ALL VALUE (24 Hourly Avg.) are in µg/m³, Note: BDL <1 ppb, N.A: Not Analysed.

Prepared By:



(Chemist)/(Sr. Chemist)

Authorized By:



(Manager - Operations)



Ambient Air Quality Monitoring Data During Deepawali Festival - 2020
For Pollution Control Committee, Daman and Dadra & Nagar Haveli
 By – UniStar Environment and Research Labs Pvt. Ltd.

Location : AAQM - 4 (At Kilvanti Naka) (Lat.N 20.27289° & Long. E 73.00666°)

Sr. No.	Date of Monitoring	Parameters with Results											
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}				
						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)		
1	07/11/2020	98	35	14.0	18.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2	08/11/2020	109	37	12.5	18.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	09/11/2020	104	36	13.8	17.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4	10/11/2020	113	39	14.2	19.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	11/11/2020	100	35	14.2	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
6	12/11/2020	104	38	14.6	20.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
7	13/11/2020	111	40	15.8	21.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8	14/11/2020	123	43	16.9	22.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	15/11/2020	112	40	15.8	21.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10	16/11/2020	99	35	16.0	21.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
11	17/11/2020	103	37	15.8	20.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12	18/11/2020	98	33	15.5	20.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	19/11/2020	96	31	14.8	19.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
14	20/11/2020	94	30	13.5	18.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
15	21/11/2020	88	28	12.0	16.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Max.		123	43	16.9	22.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Min.		88	28	12.0	16.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Avg.		104	36	14.6	19.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	1.0	20.0	6.0	--	--	--	--	--

**Ambient Air Quality Monitoring Data During Deepawali Festival - 2020
For Pollution Control Committee, Daman and Dadra & Nagar Haveli
By – UniStar Environment and Research Labs Pvt. Ltd.**

Location : AAQM - 2 (At Commercial Market Taxi Stand, Nani Daman, Daman) (Lat: N 20.41771° & Long: E 72.83432°)

Sr. No.	Date of Monitoring	Parameters with Results											
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀				Metals/Elements in PM _{2.5}			
						Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)		
1	07/11/2020	92	34	13.6	17.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2	08/11/2020	96	37	14.1	18.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	09/11/2020	104	35	15.0	18.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4	10/11/2020	96	33	15.6	20.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	11/11/2020	108	38	14.6	19.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
6	12/11/2020	98	34	14.1	19.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
7	13/11/2020	105	36	15.3	20.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8	14/11/2020	114	39	16.4	21.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	15/11/2020	101	36	15.1	20.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10	16/11/2020	98	37	16.3	20.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
11	17/11/2020	107	39	15.2	19.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12	18/11/2020	98	35	14.8	19.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	19/11/2020	92	30	13.7	18.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
14	20/11/2020	95	33	13.3	18.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
15	21/11/2020	88	30	13.2	18.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Max.	114	39	16.4	21.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Min.	88	30	13.2	17.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Avg.	100	35	14.7	19.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Permissible Value as per NAAQMS	100.0	60.0	80.0	80.0	1.0	20.0	6.0	--	--	--	--	--

**Ambient Air Quality Monitoring Data During Deepawali Festival - 2020
For Pollution Control Committee, Daman and Dadra & Nagar Haveli
By – UniStar Environment and Research Labs Pvt. Ltd.**

Location : AAQM - 1 (At Collector Office Security Gate, Moti Dmann, Daman) (Lat.N 20.39423° & Long. E 72.83270°)

Sr. No.	Date of Monitoring	Parameters with Results												
		PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}					
						Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Al ($\mu\text{g}/\text{m}^3$)	Ba ($\mu\text{g}/\text{m}^3$)	Fe ($\mu\text{g}/\text{m}^3$)			
1	07/11/2020	70	22	10.9	15.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2	08/11/2020	76	25	10.0	14.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	09/11/2020	73	20	9.9	13.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4	10/11/2020	71	24	10.5	14.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	11/11/2020	79	27	10.2	15.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
6	12/11/2020	74	25	10.7	15.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
7	13/11/2020	85	29	11.1	15.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8	14/11/2020	96	30	12.0	16.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	15/11/2020	89	28	10.7	15.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10	16/11/2020	85	30	11.4	15.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
11	17/11/2020	77	26	10.0	14.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12	18/11/2020	71	23	10.5	15.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	19/11/2020	79	25	9.6	13.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
14	20/11/2020	72	21	9.1	13.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
15	21/11/2020	69	24	8.7	13.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Max.		96	30	12.0	16.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Min.		69	20	8.7	13.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Avg.		78	25	10.3	14.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	1.0	20.0	6.0	--	--	--	--	--	--