



1094

REGIONAL OFFICE - ANKLESHWAR

GUJARAT POLLUTION CONTROL BOARD

Plot No.5009/4,G.I.D.C.,Estate,Ankleshwar.393 002 Dist.Bharuch.
Tel.No.(02646) 222 933. Email id : ro-gpcb-ankl@gujarat.gov.in

No. GPCB/RO-Ank/ T-268/ 5623 /2023.

Dt : 02 DEC 2023

To,
Unit Head- Ankleshwar,
Gujarat Pollution Control Board,
"Paryavaran Bhavan", Sector - 10 A,
GANDHINAGAR - 382 010.

Sub : To Submit Action taken report regarding higher value of AQI in Ankleshwar area.

Respected Sir,

In context with the above mentioned subject, Action Taken Report is attached herewith for information and necessary action please.

Thanking You.

Yours Faithfully,

(V. D. Rakholia)
Regional Officer

Encl : Action Taken Report.

Action taken report w.r.t higher AQI in Ankleshwar Area. **Regional office – Ankleshwar**

NAQI (National Air Quality Index):

Air Quality Index is a tool for effective communication of air quality status to people in terms, which are easy to understand. It transforms complex air quality data of various pollutants into a single number (index value), nomenclature and color. There are six AQI categories, namely Good, Satisfactory, moderately polluted, Poor, Very Poor, and Severe. AQI is being displayed on CPCB website every day at 4 pm which is day to day value as guiding tool for public. However, Ambient Air quality is being monitored by Board on yearly basis regularly.

Ankleshwar Region: -

Ankleshwar Region is having industrial area and residential areas having residential and commercial activity, near to industrial area. In Ankleshwar region CAAQMS (Continuous Ambient Air Quality Monitoring Station) is functional to monitor the air quality continuously (24 hours) at Ankleshwar GIDC.

Reason for higher value of AQI in Ankleshwar area: -

- AQI is noted higher during Winter Season as per CAAQMS working at Ankleshwar Industries Association office, GIDC, Ankleshwar and it is observed that Prominent Pollutant is Particulate Matter (PM 2.5).
- Particulate matter is arising mainly from industrial activity and vehicles movement activity.
- Further, contributing factors is due to phenomena like temperature inversions creating foggy condition at low levels very frequent during Winter Season.

Action taken by Regional Office-Ankleshwar: -

- Regional Office Ankleshwar has issued instructions vide letter dated 01/11/2023 to industries Associations to direct member industries to take extra precaution during Winter Season (Attached herewith as annexure-I).
- Regional Office Ankleshwar has issued direction vide letter dated 01/11/2023 to common facilities to take extra precaution during Winter Season (Attached herewith as annexure-II).
- Regional Office Ankleshwar has issued directions vide letter dated 08/11/2023 to all industries to take extra precaution during Winter Season (Attached herewith as annexure-III).
- Regional Office Ankleshwar has issued directions vide letter dated 17/11/2023 to The Chief Officer, Notified Area Ankleshwar to take extra precaution during Winter Season (Attached herewith as annexure-IV).
- Regional Office Ankleshwar has already started night monitoring on regular basis.

- In Ankleshwar Area two Common Boiler facility is operational hence many industrial units are diverted to the common boiler concept that will decrease the Air Pollution.
- Regional Office regularly carried out monitoring of industrial units and checks operation of their APCMs & also takes Air Samples. Strict Action is taken to defaulter units in case of violation found based on analysis report.
- Notified area authority Ankleshwar has deployed 2 nos. of tractor mounted and one truck mounted road sweeper to clean roads to prevent dusting due to vehicle movement.
- Notified area authority Ankleshwar has deployed fog cannon to suppress air pollution.
- Notified area authority Ankleshwar has started water sprinkling to prevent fugitive dusting.
- Notified area authority has started public awareness campaign through mobile public address system.
- Notified area authority Ankleshwar has done road cleaning activities in GIDC Area.
- An Environment Clinic for proper implementation of winter planning and awareness in various stake holders for control of air pollution is conducted at Regional Office Ankleshwar on 18.11.2023. (Minutes of the Environment Clinic is attached herewith as Annexure – V)
- Regional Office Ankleshwar has issued letter dated 02/12/2023 to ARTO Bharuch to take extra precaution during Winter Season (Attached herewith as annexure-VI).

Action will take by Regional Office- Ankleshwar: -

- Regional Office-Ankleshwar will organize Environment clinic cum awareness program periodically to aware public at large to control air pollution.
- Regional Office- Ankleshwar will carry out rigorous monitoring & sampling of industries having coal fired utilities (that contribute in particulate matter).
- Regional Office-Ankleshwar will inform Notified Area Authority-Ankleshwar & Ankleshwar Industries Association to carry out cleanliness drive and plantation drive.

Activities done to control Air pollution.



Road sweeping



Road sweeping



Road sweeping



Fog cannon



Water Sprinkling



Water Sprinkling



Water Sprinkling



Public Awareness through mobile public address system.



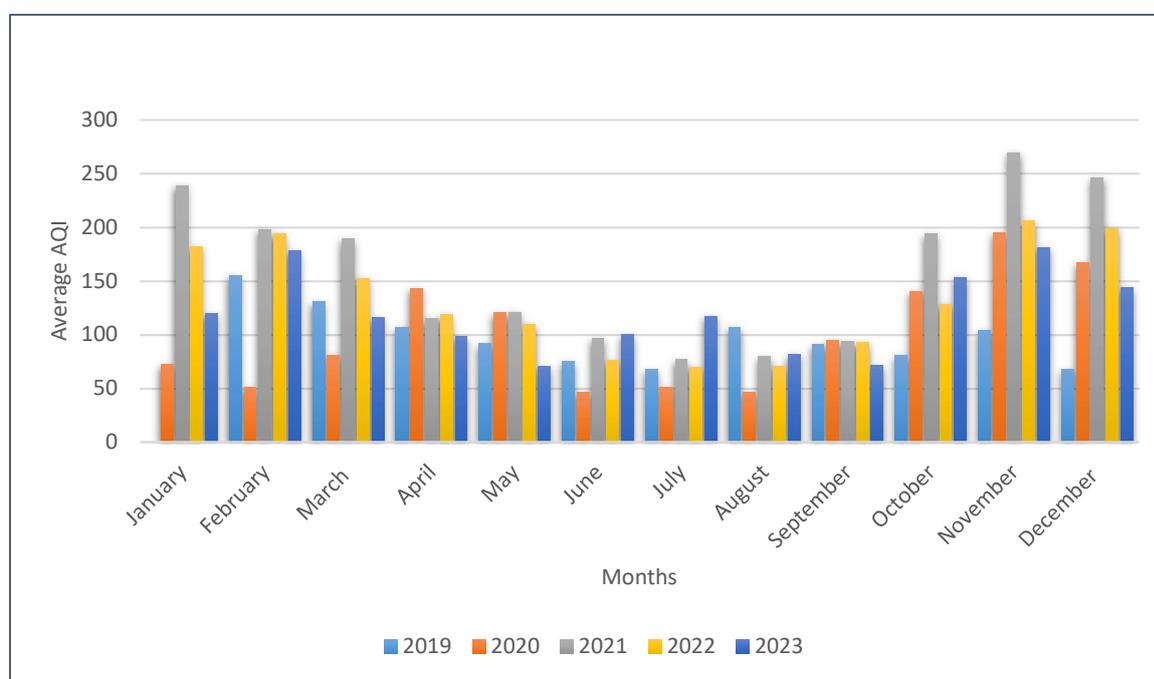
Road Cleaning Activity



Road Cleaning Activity

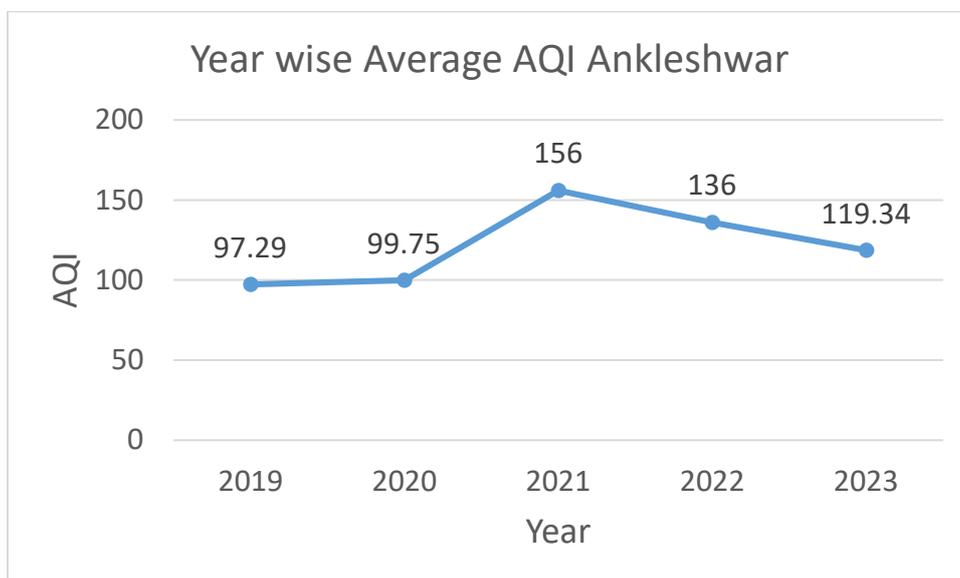
Data of Average AQI for the Year 2019 to 2023 (Month wise):

Month/Year	Average AQI				
	2019	2020	2021	2022	2023
January	-	72.58	238.82	182.16	119.37
February	155.00	51.22	197.78	193.78	177.95
March	130.43	81.00	189.28	152.29	115.62
April	106.96	143.19	114.55	118.50	98.60
May	91.41	120.35	121.03	109.90	70.36
June	75.08	46.23	96.71	75.62	100.03
July	67.64	51.32	76.90	69.75	117.48
August	107.10	45.90	79.82	70.29	82.13
September	90.76	95.03	93.50	92.90	71.80
October	81.00	140.51	193.66	128.28	153.74
November	104.17	194.88	269.60	205.62	181.11
December	68.00	166.68	246.03	199.03	144.00 (1-2 nd Dec)
Average	97.29	99.75	156.00	136.51	119.34



Data of Average AQI for the Year 2019 to 2023 (Year wise):

Year	Year wise Average AQI
2019	97.29
2020	99.75
2021	156.00
2022	136.00
2023	119.34



No. GPCB / RO-Ankleshwar / T-268 / 5549 /2023.

Dt. 01 NOV 2023

To,

The President, Ankleshwar Industries Association, GIDC Industrial Estate, Ankleshwar, Dist: Bharuch	The President, Panoli Industries Association, GIDC Industrial Estate, Panoli, Dist: Bharuch	The President, Jhagadia Industries Association, GIDC Industrial Estate, Panoli, Dist: Bharuch
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Subject: Winter Planning for Control of Air Pollution.

Dear All,

With the onset of winter season, phenomena like temperature inversions creating foggy condition at low levels would be frequent. This leads to rise of public complaints regarding air pollution from areas surrounding industries. For avoiding such situation and in order to protect public health, industries are required to be extra cautious during this season for preventing air pollution.

In view of above, following extra measures and precautions are required to be taken to minimize gaseous emissions, especially during unfavourable weather conditions:

1. Non-continuous / batch plants should schedule their process emission steps during day time only.
2. Industries generating process emission should take extra measures like provision of stand-by recirculation pumps, online pH meters linked with auto-dosing systems, etc. and operate their scrubbing system and other APCMs uninterruptedly and efficiently.
3. Industries having Utilities (boilers / TFHs / Furnaces etc.) should operate air pollution control devices attached to it uninterruptedly and efficiently in order to prevent & control air pollution under all circumstances.
4. Industries should take all necessary measures to prevent and control fugitive emissions from manufacturing processes, storage, handling and transportation of materials and other ancillary operations.
5. Industries (Especially pesticide & pharmaceutical industries) should operate odour control system (fogger systems) for control of unpleasant odor.
6. Solvent handling industries should to take all necessary measures for proper storage & handling of solvents for control of VOCs.
7. Stone crushers / Hot Mix Plants / Quartz Mineral Plants should avoid operation in night hours.
8. Burning of the solid fuels at legacy MSW waste dump sites and that in industrial clusters (by workers, security to get rid of cold) are also a potential source of fugitive emission. Concerned industries should take adequate measures to prevent the same.
9. Incinerators, Spray Dryers, Multi Effect Evaporators are also potential sources of air pollution. Industries should stop operation of incinerators, Spray Dryers & Multi Effect Evaporators during night time and take care for prevention of leakages & spillages. Operation of above systems during day time should be at proper temperature.

In view of the above you are directed to instruct all member industries to take necessary actions. You are also directed to constitute night monitoring teams to resolve any emergency issues.

Yours Faithfully,

O/C



V.D. Rakholia
Regional Officer

CC: The Member Secretary (Kind attention – Unit Head Ankleshwar),
GPCB, Paryavaran Bhavan, Sector 10 A, Gandhinagar.... For your kind information please.

No. GPCB / RO-Ankleshwar / T-268 / 5550 /2023.

Dt. 01 NOV 2023

To,

The Chairman, Panoli Enviro Technologies Ltd. (PETL), Plot no. 619, GIDC Panoli, Dist: Bharuch.	The Chief Executive Officer, BEIL Ltd, Plot no. 9701-16, 9801- 28,9901-28,9601-04,10001- 10008,G-7&8,7924-27, 7905 E to H, GIDC Ankleshwar, Dist: Bharuch.	The Chief Executive Officer, Recycling Solutions Pvt. Ltd., Plot no. 223, GIDC Panoli, Dist: Bharuch and Plot no. 208/2, GIDC Panoi, Dist: Bharuch.
The Chief Executive Officer, PR Ecoenergy Limited, Plot no. 29, GIDC Panoi, Dist: Bharuch.	The Chief Executive Officer, Detox India Pvt. Ltd, Plot no. 7921-22-23, GIDC Ankleshwar, Dist: Bharuch	The Chief Executive Officer, Ankleshwar Eco Energy Limited, Plot no. 302, GIDC Ankleshwar, Dist: Bharuch.

Subject: Winter Planning for Control of Air Pollution.

Dear All,

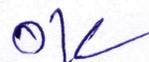
With the onset of winter season, phenomena like temperature inversions creating foggy condition at low levels would be frequent. This leads to rise of public complaints regarding air pollution from areas surrounding industries. For avoiding such situation and in order to protect public health, industries are required to be extra cautious during this season for preventing air pollution.

In view of above, you are directed to take following extra measures and precautions to minimize gaseous emissions, especially during unfavourable weather conditions:

1. Unit shall schedule their process emission steps during day time only.
2. Unit should take extra measures like provision of stand-by recirculation pumps, online pH meters linked with auto-dosing systems, etc. and operate their scrubbing system and other APCMs uninterruptedly and efficiently.
3. All the utilities (boilers / TFHs / Furnaces etc.) should operate air pollution control devices attached to it uninterruptedly and efficiently in order to prevent & control air pollution under all circumstances.
4. Unit should take all necessary measures to prevent and control fugitive emissions from processes, storage, handling and transportation of materials and other ancillary operations.
5. The odour control system/fogger systems for control of unpleasant odour should be operated regularly.
6. Burning of the solid fuels/ MSW (by workers, security to get rid of cold) is also a potential source of fugitive emission. Unit should take measures to prevent this.
7. The Common Incinerators, Common Spary Dryers, Common Multi Effect Evaporators should stop their operation during night time and take care for prevention of leakages & spillages. Operation of above systems during day time should be at proper temperature.

The common facilities shall submit action taken report in this regards within 15 days.

Yours Faithfully,




V.D. Rakholia
Regional Officer

CC: The Member Secretary (Kind attention – Unit Head Ankleshwar),
GPCB, Paryavaran Bhavan, Sector 10 A, Gandhinagar..... For your kind information please.



REGIONAL OFFICE - ANKLESHWAR
GUJARAT POLLUTION CONTROL BOARD

PLOT NO. 5009/4, GIDC ESTATE, ANKLESHWAR-393002.
TEL. NO. (02646) 222933.

No. GPCB / RO-Ankleshwar / T-268 / 5577 /2023

08 NOV 2023

To,

«Industry_Name»(«ID»),(As per list)

Plot no «Address»,

GIDC Ankleshwar,

Ta: Ankleshwar, Dist: Bharuch

Sub: Winter Planning for Control of Air Pollution.

Sir,

With the onset of winter season, phenomena like temperature inversions creating foggy condition at low levels would be frequent. This leads to rise of public complaints regarding air pollution from areas surrounding industries. For avoiding such situation and in order to protect public health, industries are required to be extra cautious during this season for preventing air pollution.

In view of above, you are directed to take following extra measures and precautions to minimize gaseous emissions, especially during unfavourable weather conditions:

1. Non continues / batch process emission steps should schedule during day time only.
2. Unit should take extra measures like provision of stand-by recirculation pumps, online pH meters linked with auto-dosing systems, etc. and operate scrubbing system and other APCMs uninterruptedly and efficiently.
3. All the utilities (boilers / TFHs / Furnaces etc.) should operate air pollution control devices attached to it uninterruptedly and efficiently in order to prevent & control air pollution under all circumstances.
4. Unit should take all necessary measures to prevent and control fugitive emissions from processes, storage, handling and transportation of materials and other ancillary operations.
5. The odour control system/fogger systems for control of unpleasant odour should be operated regularly.
6. For Solvent handling take all necessary measures for proper storage & handling of solvents to control emission of VOCs.
7. Burning of the solid fuels/ MSW (by workers, security to get rid of cold) is also a potential source of fugitive emission. Unit should take measures to prevent this.
8. Stop operation of Incinerator Spray Dryer, Multi effect Evaporator during night time and take care for prevention of leakages & spillages. Operation of above systems during day time should be at proper temperature.

For & on behalf of
Gujarat Pollution Control Board

(V. D. Rakholia)
Regional Officer

Copy to:

1. The Member Secretary (Kind attention- Unit Head Ankleshwar), GPCB, Paryavaran Bhavan, Sector 10 A, Gandhinagar..... For your kind information please.
2. The Chief Officer, Notified Area Authority Ankleshwar..... For your kind information and necessary action please.

o/c



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REGIONAL OFFICE - ANKLESHWAR

GUJARAT POLLUTION CONTROL BOARD

Plot No.5009/4,G.I.D.C.,Estate,Ankleshwar.393 002 Dist.Bharuch.

Tel.No.(02646) 222 933. Email id : ro-gpcb-ankl@gujarat.gov.in,

No. GPCB / RO-Ankleshwar / T-268 / 5589/2023

17 NOV 2023

To,

The Chief Officer,
Notified Area Authority Ankleshwar,
Plot no 618-19, GIDC, Ankleshwar,
Ta: Ankleshwar, Dist: Bharuch

Sub: To take corrective measures immediately in context with observed higher value of AQI during winter season.

Ref: (1) Regarding observed higher value of AQI during Winter Season.
(2) Hon'ble NGT order dated 10.11.2023 regarding Air Quality Index in various cities in the matter of O.A. No. 687/2023.

Sir,

In context with above mentioned subject and referred order (same is attached herewith) it is observed that AQI is noted higher during Winter Season as per CAAQMS working at Ankleshwar Industries Association office, GIDC Ankleshwar and it is found that Prominent Pollutant is Particulate matter.

With the onset of winter season, phenomena like temperature inversions creating foggy condition at low levels would be frequent. This leads to rise of Air Quality Index (AQI). For avoiding such situation and in order to protect public health, you are required to be extra cautious during this season for preventing air pollution.

In view of above, you are directed to take following extra measures and precautions to minimize emissions, especially during unfavourable weather conditions:

- Ensure proper implementation of CPCB guidelines on dust mitigation measures in Construction and Decontamination (C & D) activities and sound environmental management of C & D waste.
- Ensure regular lifting of Municipal Solid Waste (MSW), Construction & Demolition (C&D) waste and ensure that no waste is dumped illegally in open land areas.
- Carry out mechanized sweeping and water sprinkling on roads and ensure scientific disposal of the dust collected in designated sites/landfills.
- Ensure that C&D materials & waste are properly stored/ contained, duly covered in the premises. Ensure transportation of C&D waste in covered vehicles.
- Water sprinkling and dust suppression measures in construction / maintenance / repair projects.
- Stringently enforce prohibition on open burning of biomass and municipal solid waste.
- Ensure regular lifting and proper disposal of solid waste from industrial and non-development areas.

Action taken report in this regard should be submitted within 7 days.

Thanking You,

For & on behalf of
Gujarat Pollution Control Board

(V. D. Rakholia)
Regional Officer



Minutes of Environmental Clinic held on 18.11.2023 regarding Winter Planning for control of air pollution by industries.

1.	Name of Office	<ul style="list-style-type: none"> • Gujarat Pollution Control Board Regional Office Ankleshwar
2.	Date & Time	<ul style="list-style-type: none"> • 18.11.2023 at 15:00 hrs.
3.	Venue	<ul style="list-style-type: none"> • GPCB Regional Office Ankleshwar Conference Hall, GIDC Ankleshwar
4.	Subject	<ul style="list-style-type: none"> • Environment Clinic held regarding Winter planning for control of air pollution by industries.
5.	Area specific/ Sector specific/ Group of industry specific	<ul style="list-style-type: none"> • For various Industrial representatives of Ankleshwar and Panoli areas and various common facilities like common incinerators, common boilers, CMEE, common sprat dryer, etc.
6.	Number of Participants	<ul style="list-style-type: none"> • @ 50 nos. of participants
7.	Subject Experts/ Speakers	<ul style="list-style-type: none"> • Shri V.D.Rakholia, Regional Officer, GPCB Ankleshwar. • Shri Natubhai Patel, Chairman, Environment Committee AIA.
8.	About issues	<ul style="list-style-type: none"> • Need to aware various stake holders regarding proper operation of APCMs, odour control, control fugitive emissions from manufacturing processes, storage, handling and transportation of materials and other ancillary operations, etc. for control of Air Pollution.
9.	Technical Discussions and Solutions	<ul style="list-style-type: none"> • Shri V.D.Rakholia, Regional Officer, GPCB Ankleshwar discussed the requirements and steps that are to be taken in the winter season especially to control air pollution. • Afterwards, different questions related to the subject were asked and satisfactory replies were given.
10.	Outcome of the Clinic	<ul style="list-style-type: none"> • Considering awareness, knowledge sharing and sincerity to take steps to prevent and reduce air pollution in these areas as need of the hour this clinic is organized. • Detailed discussion was done on necessary actions to be taken by the industries and Association to maintain AQI in the area in safe zone. • Issues/ questions from the audience were also addressed satisfactorily by Shri V.D.Rakholia, RO GPCB Ankleshwar. • Participants from the industries will be benefited by this environment clinic program. • It was a common consensus on the part of everyone to arrange more such programs in future. • Important outcomes are summarized as below: <ol style="list-style-type: none"> 1. Discussion regarding odour control, proper solvent handling, nitrogen blanketing, provision of stand-by recirculation pumps, online pH meters linked with auto-dosing systems, etc. with scrubbing system and other APCMs, necessary measures to prevent and control fugitive emissions, prevent open burning, wall to wall carpeting, proper operation of Incinerators/Spray Dryers/ Multi Effect Evaporators along with instructions to not operate them during night hours in winter season owing to inversion factor in the cold season, etc. are done and proper guidance is given to all participants to prevent air pollution. 2. It is also informed that an environmental monitoring committee is constituted at Association level to prevent air pollution in winter season.

11.	Remarks, if any	<ul style="list-style-type: none">• Shri V.D.Rakholia, RO GPCB Ankleshwar, welcomed all the industrial representatives to the environment clinic. He informed all the participants to positively operate their APCMs efficiently and effectively and to take requisite steps as discussed to keep the AQI of the area in safe zone.• Shri Natubhai Patel, Chairman Environment Committee AIA informed all the present participants regarding seriousness of the issue and sensitized them for self-monitoring to prevent any spillages, leakages and incidents creating emissions. He also informed regarding the ongoing work for the common parking area to be created in Ankleshwar region and told all to use the same to reduce unwanted vehicular movements in the estate.• Shri R.P.Rana, AEE GPCB Ankleshwar in his vote of thanks appreciated all the participants for their presence and mentioned how important this issue is and thanked them for sparing their time for this awareness event and for its benefits in long run.
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Photographs taken during Environment Clinic dated 18.11.2023







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REGIONAL OFFICE - ANKLESHWAR

GUJARAT POLLUTION CONTROL BOARD

Plot No.5009/4,G.I.D.C.,Estate,Ankleshwar.393 002 Dist.Bharuch.

Tel.No.(02646) 222 933. Email id : ro-gpcb-ankl@gujarat.gov.in,

No. GPCB / RO-Ankleshwar / T- 268 / 5622 /2023.

02 DEC 2023

To,

By R.P.A.D.

✓ The ARTO,
ARTO Bharuch,
NH 48, Vadadla,
Dist.: Bharuch.

Sub: To take requisite measures under your jurisdiction to maintain Air Quality Index (AQI) in Ankleshwar area in safe zone.

Ref: The Hon'ble NGT order dated 10.11.2023 regarding Air Quality Index in various cities in the matter of Original Application No. O.A. 687/2023.

Sir,

In context with the above-mentioned subject and reference it is to be noted that AQI is observed higher during the winter season as per the CAAQMS working at Ankleshwar Industries Association Office, GIDC Ankleshwar and it is found that prominent pollutant is Particulate Matter.

To prevent the rise of AQI and to protect public health you are requested to take extra precautionary measures including:

1. Strict vigilance and enforcement of PUC norms for all vehicles.
2. Auditing and inspection of PUC centres.
3. No tolerance policy for visible emissions from vehicles.
4. On road inspection of vehicles to be planned properly for periodicity and coverage.
5. Steps to be taken for prevention of fuel adulteration and promote usage of cleaner fuel.
6. Strategic deployment of traffic police to prevent traffic congestions.
7. To conduct awareness programs for prevention of vehicular pollution.

Action taken report in this regard shall be submitted within 7 days.

Thanking you,

Yours Faithfully,

V.D. Rakholia
Regional Officer

Copy to :

The Member Secretary (Kind attention – Unit Head Ankleshwar), GPCB, Paryavaran Bhavan, Sector 10 A, Gandhinagar..... For your kind information please.

National Clean Air Programme – Non attainment cities:

Two cities of Gujarat namely Ahmedabad and Surat are Non-attainment cities as per the first list and Vadodara is added in the second list of "Non-attainment cities". Rajkot being a million-plus city is also added in the list. The City and Micro Action Plan for all these four cities has been prepared and is under implementation.

A Three Tier Committee has also been developed to ensure effective implementation of NCAP viz. Steering Committee - Headed by Hon'ble Chief Secretary, Monitoring Committee - Headed by Hon'ble ACS/PS, F&E Department, Implementation Committee - Headed by Hon'ble Municipal Commissioners of concerned Cities. Regular meetings are conducted to review the progress.

Total fund of Rs. 796.05 crores have been received by these four cities upto FY 2022- 23 under XV – FC and Rs.613.58 crores have been utilized for the implementation of the approved action plan.