



## SPEED POST

AQM/AP/2019-20/

December 30, 2019

Additional Chief Secretary, Environment  
Govt. of West Bengal  
Pranisampad Bhavan, 5th Floor  
LB -2, Sector -III, Salt Lake,  
Bidhannagar, Kolkata – 700106

**Sub.: Directions under Section 31A of The Air (Prevention and Control of Pollution) Act, 1981 regarding preparation of action plans for non-attainment cities as per Hon'ble NGT order dated 08-10-2018-reg.**

WHEREAS, under Section 16 (2) (b) (d) (g) and (j) of The Air (Prevention and Control of Pollution) Act, 1981, mandates Central Pollution Control Board (hereinafter referred as CPCB) to execute nation-wide programme, provide technical assistance and guidance to the State Boards for prevention, control or abatement of air pollution; collect, compile and publish technical and statistical data relating to air pollution control and abatement of air pollution and perform such other functions as may be prescribed;

WHEREAS, air pollution particularly PM<sub>10</sub> and PM<sub>2.5</sub> has emerged as a major health concern in most of the cities & towns, with air quality reaching to alarming levels;

WHEREAS, based on the data for the period 2011–2015 and WHO report 2014/2018, 102 cities failed to meet the prescribed standards are identified as non-attainment cities;

WHEREAS, seven regional workshops were organized to sensitize SPCBs and Stakeholders to develop city specific action plan for control of air pollution in these non-attainment cities;

WHEREAS, in pursuant to Hon'ble National Green Tribunal order dated 08-10-2018, all the States and Union Territories with non-attainment cities were required to constitute Air Quality Monitoring Committee (AQMC), and AQMCs to prepare appropriate action plans within two months aimed at bringing the standards of air quality within the prescribed norms within six months from date of finalization of the action plans;

WHEREAS, as per order of Hon'ble National Green Tribunal, a three member committee shall examine the Action Plans and on the recommendations of the said Committee, the Chairman, CPCB shall approve the same;

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WHEREAS, 20 additional non-attainment cities has been identified based on data for the period 2014-2018;

WHEREAS, Hon'ble National Green Tribunal order dated 06-08-2019, directed concerned SPCBs to prepare city action plans for 20 newly added Non-attainment cities and submit to CPCB within two months;

WHEREAS, city action plan for Kolkata city of West Bengal was already approved for implementation on 12-02-2019;

WHEREAS, the city action plans for six newly added cities of West Bengal were submitted to CPCB on 06-11-2019;

WHEREAS, the three member committee examined the revised city plans of Asansol, Barrackpore, Durgapur, Haldia, Howrah and Raniganj on November 29, 2019 and recommendations of committee are placed at Annexure-I and Annexure-II;

WHEREAS, in view of recommendations of the three member committee, Competent Authority has not approved the city action plans for aforesaid six cities in state of West Bengal;

**Now, therefore,** in exercise of powers under Section 31 A of The Air (Prevention and Control of Pollution) Act, 1981, you are directed to submit revised city action plans for Asansol, Barrackpore, Durgapur, Haldia, Howrah and Raniganj keeping in view recommendation made as per Annexure-I at the earliest;

Receipt of this direction shall be acknowledged immediately and action taken shall be communicated to CPCB within 07 days.

  
(S. P. S. Parihar)  
Chairman  


## Annexure – I

- **State:** West Bengal
- **City:** Asansol
- **Plan received on date:** 06-11-2019

Key Component	Observations	Remarks
Air Quality Monitoring Network	Existing and expansion plan proposed but not adequate	CAAQMS not as per Guidelines (see attached)
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities, Domestic Fuel, Mining Area	-
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified (SA study proposed)	Carryout EI & SA estimates
Action Points	Addresses all major sources	City plan is generic in nature, it should be specific for all air polluting activities & sources
Long-term Strategy	Long-term actions proposed	-
Timeframe	Timelines proposed for various actions (up to three years)	Point no. 5.3.2 is a short term action which may not be more than 6 months
Executing Agencies	Identified	-
Public Awareness and Complaint Redressal Mechanism	Specific plans and public complaints redressal mechanism outlined	-
Budget Support	Not given	Broad estimates be made for financial layout
<b>Overall Recommendation</b>	<b>Not recommended. Plan needs to be re-done and submitted as per the format addressing key components (See Remarks).</b>	

- **State:** West Bengal
- **City:** Barackpore
- **Plan received on date:** 06-11-2019

Key Component	Observations	Remarks
Air Quality Monitoring Network	Existing and expansion plan proposed but not adequate	CAAQMS not as per Guidelines (see attached)
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities, Domestic Fuel	-
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified (SA study proposed)	Carryout EI & SA estimates
Action Points	Addresses all major sources	City plan is generic in nature, it should be specific for all air polluting activities & sources
Long-term Strategy	Long-term actions proposed	-
Timeframe	Timelines proposed for various actions (up to three years)	<ul style="list-style-type: none"> <li>• Time target is missing in action point no. 3.3, 3.4, 3.5, 3.6, 4.8 and 7.7.</li> <li>• Point no. 5.3.2 is a short term action which should not be more than 6 months</li> </ul>
Executing Agencies	Identified	-
Public Awareness and Complaint Redressal Mechanism	Specific plans and public complaints redressal mechanism outlined	-
Budget Support	Not given	Broad estimates be made for financial layout
<b>Overall Recommendation</b>	<b>Not recommended. Plan needs to be re-done and submitted as per the format addressing key components (See Remarks).</b>	



- **State:** West Bengal
- **City:** Durgapur
- **Plan received on date:** 06-11-2019

Key Component	Observations	Remarks
Air Quality Monitoring Network	Existing and expansion plan proposed but not adequate	CAAQMS not as per Guidelines (see attached)
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Domestic Fuel, Thermal Power Plants	Major sources identified except Construction Activities
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified (SA study proposed)	Carryout EI & SA estimates
Action Points	Addresses all major sources except Construction Activities & Thermal Power Plants	Prepare action plan for Construction Activities & Thermal Power Plants
Long-term Strategy	Long-term actions proposed	-
Timeframe	Timelines proposed for various actions (up to three years)	<ul style="list-style-type: none"> <li>• Time target is missing in action point no. 1.6, 1.7, 1.8, 2.9, 3.3, 3.4, 3.5, 3.6, 4.9, 5.10.1, 6.6, 7.7, 10.7, 15.1.</li> <li>• Point no. 5.3.2 is a short term action which should not be more than 6 months</li> </ul>
Executing Agencies	Identified	-
Public Awareness and Complaint Redressal Mechanism	Specific plans and public complaints redressal mechanism outlined	-
Budget Support	Not given	Broad estimates be made for financial layout
<b>Overall Recommendation</b>	<b>Not recommended. Plan needs to be re-done and submitted as per the format addressing key components (See Remarks).</b>	

- **State:** West Bengal
- **City:** Haldia
- **Plan received on date:** 06-11-2019

Key Component	Observations	Remarks
Air Quality Monitoring Network	Existing and expansion plan proposed.	-
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities, Domestic Fuel, Thermal Power Plant	-
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified (SA study proposed)	Carryout EI & SA estimates
Action Points	Addresses all major sources except Thermal Power Plants	Prepare action plan for Thermal Power Plants
Long-term Strategy	Long-term actions proposed	-
Timeframe	Timelines proposed for various actions (up to three years)	<ul style="list-style-type: none"> <li>• Time target is missing in action point no. 1.6, 1.7, 3.3, 3.4, 3.5, 3.6, 5.6, &amp; 7.7</li> <li>• Point no. 5.3.2 is a short term action which should not be more than 6 months</li> </ul>
Executing Agencies	Identified	-
Public Awareness and Complaint Redressal Mechanism	Specific plans and public complaints redressal mechanism outlined	-
Budget Support	Not given	Broad estimates be made for financial layout
<b>Overall Recommendation</b>	<b>Not recommended. Plan needs to be re-done and submitted as per the format addressing key components (See Remarks).</b>	

- **State:** West Bengal
- **City:** Howrah
- **Plan received on date:** 06-11-2019

Key Component	Observations	Remarks
Air Quality Monitoring Network	Existing and expansion plan proposed	-
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities, Domestic Fuel, Thermal Power Plant	-
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified (SA study proposed)	Carryout EI & SA estimates
Action Points	Addresses all major sources except Thermal Power Plants	Prepare action plan for Thermal Power Plants
Long-term Strategy	Long-term actions proposed	-
Timeframe	Timelines proposed for various actions (up to three years)	<ul style="list-style-type: none"> <li>• Time target is missing in action point no. 1.6, 1.7, 3.3, 3.4, 3.5, 3.6, 5.4.1, 5.4.2, 5.4.3, 5.5, &amp; 7.7</li> <li>• Point no. 5.1.1, 5.2.8.2 &amp; 5.5.3 is a short term action which should not be more than 6 months</li> </ul>
Executing Agencies	Identified	Identify executing agencies in Point no. 5.2.5
Public Awareness and Complaint Redressal Mechanism	Specific plans and public complaints redressal mechanism outlined	-
Budget Support	Not given	Broad estimates be made for financial layout
<b>Overall Recommendation</b>	<b>Not recommended. Plan needs to be re-done and submitted as per the format addressing key components (See Remarks).</b>	

- **State:** West Bengal
- **City:** Raniganj
- **Plan received on date:** 06-11-2019

Key Component	Observations	Remarks
Air Quality Monitoring Network	Existing and expansion plan proposed but not adequate	CAAQMS not as per Guidelines (see attached)
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities, Domestic Fuel, Mining Area, Thermal Power Plant	-
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified (SA study proposed)	Carryout EI & SA estimates
Action Points	Addresses all major sources except Thermal Power Plants	Prepare action plan for Thermal Power Plants
Long-term Strategy	Long-term actions proposed	-
Timeframe	Timelines proposed for various actions (up to three years)	Time target is missing in action point no. 3.3, 3.4, 3.5, 3.6 & 7.7
Executing Agencies	Identified	-
Public Awareness and Complaint Redressal Mechanism	Specific plans and public complaints redressal mechanism outlined	-
Budget Support	Not given	Broad estimates be made for financial layout
<b>Overall Recommendation</b>	<b>Not recommended. Plan needs to be re-done and submitted as per the format addressing key components (See Remarks).</b>	



### Air Quality Monitoring network design criteria

Population (Census 2011)	Minimum No. of manual station under NAMP	Minimum no of proposed CAAQMS	Total
1,00,000- < 5,00,000	1-Background 2-Residential/ Commercial	1-Residential	4
5,00,000- <10,00,000	1-Background 2-Residential/ Commercial	1-Residential 1-Traffic dominant area 1- Commercial	6
10,00,000- <50,00,000	1-Background 2-Residential/ Commercial	2-Residential 1-Traffic dominant area 1- Commercial 1-Industrial area	8
≥50,00,000	1-Background in upwind direction 1-Background in down wind direction 2-Residential/ Commercial	4-Residential 3-Traffic dominant area 3- Commercial 2-Industrial area	16

**General observations made by three member committee for further improvements in the plans:**

**1. Emission Inventory , Source Apportionment and Carrying Capacity Assessment: Vehicular Pollution, Industrial Emissions, Population Density, Construction Activities**

The AQMCs should duly address the above issues so that the cities remain air quality compliant in future and some activities, if required, are restricted in future planning. It is expected the knowledge from EI, SA and carrying capacity assessment will upgrade the action plans.

**2. Interim Emission Reduction Targets**

The plans should include auditable and verifiable interim emission reduction targets. This will ensure continuous and timely implementation of actions.

**3. Challenges in Implementation: Role of Central Agencies**

Some actions proposed in the plans (e.g. supply of CNG or PNG) will require coordination and commitment from Central agencies. It is desirable that such actions are discussed with concerned agencies for effective implementation.

**4. Consideration to Graded Response Action Plan (GRAP)**

The GRAP is an important contingency plan in NCR. The SPCBs may give due consideration to the GRAP and develop a suitable plan relevant to the emissions in the city and likelihood of their impact on air quality.

**5. District Level Monitoring Committee**

Besides AQMC, a monitoring committee headed by the Municipal Commissioner or District Magistrate comprising senior officers from concerned departments may be considered to review the progress and ensure smooth implementation of the plan.