



**SPEED POST**

AQM/AP/2019-20/

May 01, 2019  
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Principal Secretary, Environment  
Govt. of Chhattisgarh  
D.K.S. Bhawan, Mantralaya  
Raipur, Chhattisgarh – 492001

**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 by 31.01.2019;

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WHEREAS, the plans received till January 23, 2019, was examined by three member committee on 24-25 January, 2019, and compliance report submitted to Hon'ble NGT on February 15, 2019;

WHEREAS, the city plans of Chhattisgarh received on 06-12-2018, were not approved by the committee and accordingly direction was issued to Principal Secretary, Environment, Govt. of Chhattisgarh on 12-02-2019;

WHEREAS, revised city action plans for Korba and Bhilai were submitted to CPCB on 15-03-2019;

WHEREAS, the three member committee examined the revised city plans of Chhattisgarh on April 23, 2019 and recommendations of committee is placed at Annexure-I and Annexure-II;

WHEREAS, based on the recommendations of the three member committee, Chairman, CPCB has approved the city plans for Korba and Bhilai, along with the recommendations enclosed at Annexure-I, for ground implementation with immediate effect;

**Now, therefore,** in exercise of powers under Section 31 A of The Air (Prevention and Control of Pollution) Act, 1981, you are directed to implement the city action plan and submit progress report of the same to CPCB on quarterly basis;

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

  
(S. P. S. Parihar) 07/05/19  
Chairman  


**Annexure – I**

- **State:** Chhattisgarh
- **City:** Korba (Revised Plan)
- **Plan received on date:** 15-03-2019

<b>Key Component</b>	<b>Observations</b>	<b>Remarks</b>	<b>Comments on Revised Plan</b>
Air Quality Monitoring Network	Expansion plan not provided	Include monitoring network	CAAQMS not as per Guidelines (see attached)
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities	Major sources (e.g. Thermal power plant and coal mining) not identified	Included
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified	Carryout EI & SA estimates	Carryout EI & SA estimates
Action Points	Addresses all major sources except thermal power plant and coal mining which is a major source	Prepare action plan for Thermal Power plants and coal mining area	Included
Long-term Strategy	Not adequately addressed	Long term measures such as public transport should be included	Included
Timeframe	Timelines proposed for various actions (up to one year)	-	Timelines proposed for various actions (up to three years), including long term measures
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	Provided
<b>Overall Recommendation</b>	<b>Recommended with minor revisions (See Comments on Revised Plan).</b>		

### Air Quality Monitoring network design criteria

<b>Population (Census 2011)</b>	<b>Minimum No. of manual station under NAMP</b>	<b>Minimum no of proposed CAAQMS</b>	<b>Total</b>
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



- **State:** Chhattisgarh
- **City:** Bhilai (Revised Plan)
- **Plan received on date:** 15-03-2019

Key Component	Observations	Remarks	Comments on Revised Plan
Air Quality Monitoring Network	Expansion plan not provided	Include monitoring network	Included
Source Identification	Industries, Road Dust, Vehicles, Open Burning, Construction Activities	Major sources (e.g. steel industry) not identified	Included
Source Apportionment (SA) and Emission Inventory (EI)	EI & SA not quantified	Carryout EI & SA estimates	Carryout EI & SA estimates
Action Points	Addresses all major sources except steel industry	Prepare action plan for steel industry	Included
Long-term Strategy	Not adequately addressed	Long term measures such as public transport should be included	Included
Timeframe	Timelines proposed for various actions (up to one year)	-	Timelines proposed for various actions (up to two years), including long term measures
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	Provided
<b>Overall Recommendation</b>	<b>Recommended with minor revisions (See Comments on Revised Plan).</b>		

## ANNEXURE II

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.