



Speed Post

File No. A-18013/4/2011-MON

Dated: 06.12.2019

To  
The Regional Director,  
Central Pollution Control Board  
(As per list enclosed)

**Subject: Evaluation of capacity of scientific and technical personnel in ambient air quality monitoring under NAMP & CAAQMS as per Hon'ble NGT O.A. No. 681 of 2018 dated 06.08.2019-reg.**

Sir,

Hon'ble National Green Tribunal in O.A. No. 681 of 2018 in its order dated 06.08.2019 & 20.11.2019, directed that "CPCB may also evaluate existing air quality monitoring mechanism of all States and UTs and furnish a report to this Tribunal before the next date in terms of capacity of its scientific and technical personnel both in terms of number of personnel and skill/competence". Accordingly, CPCB has gathered information on the matter from the respective SPCBs and PCCs.

It is requested that an officer from Regional Directorate may be deputed to visit the concerned SPCB to evaluate the information and provide state-wise summary report especially with respect to capacity of scientific and technical personnel both in terms of number of personnel and skill/competence and outreach programmes on public awareness etc. as directed by Hon'ble NGT. The evaluation report may be provided by 20.12.2019 for further submission to Hon'ble NGT.

Yours faithfully,

(V.K.Shukla)

Addl. Director & DH,  
AQM Division

Encl.:

1. Format for submission of report
2. Information provided by SPCBs & PCCs
3. Criteria for establishment of NAMP stations & CAAQMS
4. Criteria for manpower under NAMP & CAAQMS
5. NGT Order: O.A. No. 681 of 2018 in its order dated 06.08.2019
6. NGT Order: O.A. No. 681 of 2018 in its order dated 20.11.2019

**EVALUATION OF AMBIENT AIR QUALITY MONITORING STATION & MANPOWER - STATE SUMMARY**  
(Manual-NAMP & Real time-CAAQMS)

1. State / UT -
2. Manpower (NAMP & CAAQMS)

Manual AAQMS (Under NAMP & SAMP)						
	Supervisor (Overall Supervision)		Scientific Assistant (Analysis)		Field Assistant (Sampling)	
	Total Number	Number Fulfilling qualification criteria	Total Number	Number Fulfilling qualification criteria	Total Number	Number Fulfilling qualification criteria
Regular staff						
Project staff						
Outsource staff						
Total						

Is the Number of staff adequate for monitoring & analysis - Yes / No

Real time AAQMS (Funded by Central Scheme & State Fund)						
	Supervisor (Overall Supervision)		Technical supervisor (Data processing)		Technician (Operation & maintenance)	
	Total Number	Number Fulfilling qualification criteria	Total Number	Number Fulfilling qualification criteria	Total Number	Number Fulfilling qualification criteria
Regular staff						
Project staff						
Outsource staff						
Total						

Is the Number of staff adequate for monitoring & analysis - Yes / No

3. Training & experience
  - a. Staff trained for the assigned job Yes / No
  - b. Mechanism exist for training Yes / No  
(If yes, details)
4. Laboratory & instrumentation
  - a. Laboratories recognized by MoEF&CC under E(P)Act 1986 or laboratories with valid NABL accreditation - Yes / No
  - b. Basic instruments available for Ambient Air Quality Monitoring - Yes / No
  - c. Quality Control programme in place - Yes / No
5. Data dissemination
  - a. Data displayed on website - Yes / No
  - b. Data displayed at station / other sites in the cities - Yes / No
  - c. Any mobile applications (App) exist for public - Yes / No
6. Expansion plan for monitoring network (for both NAMP & CAAQMS) -

## 7. COMMENTS / OBSERVATIONS:

- a. Competence of staff employed in monitoring & supervision -
- b. Competence of outsource staff / agency -
- c. Infrastructure available for monitoring other parameters (PM<sub>2.5</sub>, CO, NH<sub>3</sub>, Pb, O<sub>3</sub>, C<sub>6</sub>H<sub>6</sub>, B(a)P, As & Ni) -
- d. Quality control of data & Data dissemination -
- e. Suggestion for improvement -

Signature

Date:

### CRITERIA OF MANPOWER UNDER NAMP & CAAQMS

#### National Ambient Air Quality Monitoring Programme (NAMP)

##### *Minimum no. of manpower:*

For 3 stations in a city: Scientific Assistant (1 Nos.) & Field Assistant (3 Nos.)

##### *Minimum Qualification:*

- Supervisor / Incharge / Laboratory Incharge / equivalent (Involved in Supervision)- Master's Degree in Science or equivalent or Bachelors Degree in Engineering / Technology;
- Scientific Assistant (Involved in Analysis)- Bachelor's Degree in Science or equivalent;
- Field Assistant/equivalent (Involved in Sampling) - Intermediate (Science)

#### Continuous Ambient Air Quality Monitoring Programme (CAAQMS)

##### *Minimum no. of manpower:*

For 3 stations in a city: Technical Supervisor (1 Nos.) & Technician – O&M (2 Nos.)

##### *Minimum Qualification:*

- Supervisor / Incharge / equivalent (Involved in Supervision) - Master's Degree in Science or equivalent or Bachelors Degree in Engineering / Technology;
- Technical Supervisor (Involved in Data processing) - Bachelor's Degree in Engineering / Science;
- Technician (Involved in Operation & maintenance of station) – Intermediate (Science) / Engineering Diploma

List of CPCB Regional Directorates:

1. Regional Directorate- Bengaluru
2. Regional Directorate- Bhopal
3. Regional Directorate- Kolkata
4. Regional Directorate- Lucknow
5. Regional Directorate- Shillong
6. Regional Directorate- Vadodara
7. Regional Directorate- Chandigarh
8. Regional Directorate- Pune
9. Regional Directorate- Chennai