



**Subject: SUPERVISION AND TECHNICAL VALIDATION OF CO-LOCATION OF LOW-COST AIR QUALITY SENSORS WITH REFERENCE GRADE AIR QUALITY MONITORING STATIONS (AQMS)**

**ORDER**

**WHEREAS**, the Environmental Protection Agency Punjab is undertaking systematic strengthening of the provincial air quality monitoring regime to ensure accurate, transparent and scientifically reliable assessment of ambient air pollution levels across Punjab, particularly through expansion and integration of supplementary monitoring technologies;

2. **AND WHEREAS**, in order to enhance spatial coverage and complement the existing Reference Air Quality Monitoring Stations (AQMS), EPA Punjab intends to take benefit from the non-reference grade monitors (low-cost sensors) installed by different governmental and non-governmental entities;

3. **AND WHEREAS**, the *Guidelines regarding deployment, operation and data dissemination of non-reference grade monitors (low cost sensors) of air quality monitoring in Punjab* have already been issued vide Order No. 352/PA/DG/EPA/2025 dated 29.09.2025, prescribing standardized procedures for installation, co-location, calibration, validation and performance evaluation of such sensors;

4. **AND WHEREAS**, it is technically necessary to undertake structured co-location of low-cost sensors with reference-grade AQMS for calibration checks, regression analysis and performance benchmarking to ensure data accuracy, comparability and integrity;

5. **AND WHEREAS**, supportive supervision of this co-location process is essential to ensure adherence to the notified guidelines and compilation of a comprehensive technical assessment for informed decision-making;

6. **AND WHEREAS**, Section 6(1)(i) of the Punjab Environmental Protection Act, 1997 empowers the Environmental Protection Agency to establish systems and procedures for surveys, surveillance, monitoring, examination, investigation, research and inspection for prevention and control of pollution;

7. **AND WHEREAS**, Section 6(1)(j) of the Act *ibid* empowers the Environmental Protection Agency to take measures to promote research and the development of science and technology which may contribute to the prevention of pollution, protection of the environment, and sustainable development;

8. **NOW, THEREFORE**, in exercise of the powers conferred under Section 6(1)(i) and 6(1)(j) read with Section 5(4) of the Punjab Environmental Protection Act, 1997, I, Dr. Imran Hamid Sheikh, PAS, Director General, Environmental Protection Agency, Punjab, do hereby assign the Director (Environmental Monitoring Center), EPA Punjab, the responsibility to supervise and oversee the process of co-location and technical validation of low-cost air quality sensors with Reference AQMS, as per provisions of the ibid guidelines. The Director (Environmental Monitoring Center) shall complete this task in close coordination with the Director ML&I and the proponents of such low cost sensors and submit evaluation report, on quarterly basis, to the Director General, after thorough consultation with the Director ML&I, EPA Punjab.

Issued under my hand and seal on 2<sup>nd</sup> day of January, 2026.

M.  02/01/26

DR. IMRAN HAMID SHEIKH (PAS)  
**DIRECTOR GENERAL**  
**ENVIRONMENTAL PROTECTION AGENCY**  
**PUNJAB**

**Copy forwarded for information & necessary action to:**

1. The Secretary, Environment Protection and Climate Change Department Punjab
2. The Secretary, Judicial Water & Environment Commission (JWEC), Punjab
3. The Additional Secretary (Staff), Chief Secretary's Office, Lahore.
4. The Additional Secretary (Coordination), Chief Minister Office, Lahore.
5. The Chief Environment & Climate Change, P&D Board, Lahore.
6. The Additional Director General (Ops & Imp), EPA Punjab
7. All the Directors, EPA Punjab
8. PSO to Minister for Environment, Forest and P&D Board, Punjab.
9. All the District In-charges (DDs/ADs) Field, EPA Punjab
10. All the District In-charges (DDs/ADs) Labs, EPA Punjab
11. The In charge, Strategy and Analysis Wing, EPA Punjab
12. The Coordinator, Center for Knowledge Exchange and Policy Dialogue, EPA Punjab
13. The In charge ITSU, EPA Punjab
14. The In charge social media team, EPA Punjab
15. The Librarian, EPA Punjab
16. PA to Director General, EPA