



# MONITORING PROGRESS, TRACKING SUCCESS

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## NEWSLETTER

DIRECTORATE GENERAL OF MONITORING &  
EVALUATION Government of the Punjab



**Maryam Nawaz Sharif**  
*Chief Minister Punjab*

Punjab is entering a new era of smart governance—driven by innovation, digital reforms, and inclusive growth. With strategic tech initiatives and smarter service delivery, we're building a transparent, efficient, and future-ready province.



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# MONITORING PROGRESS, TRACKING SUCCESS

Directorate-General Monitoring & Evaluation, P&D Board, an attached department of the Planning & Development Board is responsible to conduct technical appraisal, monitoring and evaluation of development projects across all sectors in Punjab. The Directorate reviews the planning process (PC-I to PC-IV) throughout the project cycle. In recent past, DGM&E has developed a Real-Time Monitoring & Evaluation System (RTMES) for data-driven decision making - a much needed step towards digital governance.



## **MARYAM AURANGZEB**

*Senior Minister, P&D Board, Punjab*

The Planning & Development Board is leading a progressive development agenda focused on data, innovation, and institutional flexibility.

By integrating technology into planning, we aim to deliver timely, transparent, and people-centered development across Punjab.

## **DR. NAEEM RAUF**

*Chairman P&D Board*

The Planning & Development Board is shaping Punjab's future with clear vision, smart planning, and inclusive growth. Through the use of technology and a culture of teamwork, we are focused on delivering practical, cost-efficient and high-impact results, ensuring every rupee brings value and sustainable progress for the people of Punjab.



## **RAFAQAT ALI**

*Secretary P&D Board*

The Planning & Development Board is working on a progressive development agenda that emphasizes data, innovation and institutional flexibility. With the use of technology in planning and execution, the focus is on ensuring development that is timely, transparent and responsive to the needs of the people of Punjab.

## **DR. KIRAN KHURSHID**

*Director General (DG M&E)*

RTMES has been designed to strengthen both Monitoring and Evaluation by embedding technology and GIS-based tools. While Monitoring provides real-time oversight of implementation, Evaluation brings deeper analysis of outcomes and value for money. Together, these functions ensure that development projects are tracked transparently, assessed rigorously, and aligned with the measurable benefits.



# APPROVED M&E MECHANISM

The P&D Board has approved a sector-wise framework, broadly categorizing projects into infrastructure, social and production sectors to conduct streamlined Monitoring & Evaluation of ADP and CM development initiatives.

- ➔ **Infrastructure:** Progress is assessed through field visits, GIS tools, drone imagery, and lab-based testing
- ➔ **Social:** Administrative readiness is tracked alongside structured beneficiary feedback
- ➔ **Procurement:** Key procurement steps are monitored with random quality checks of delivered items. This targeted approach ensures timely execution, transparency, and evidence-based reporting across all project streams.



## Infrastructure Projects

- Physical progress through field visits and use of GIS technology / drones / field & lab testing



## Social Sector Projects

- Monitoring of administrative steps with timelines for making the initiative functional operational
- Beneficiary feedback (by way of phone calls, direct meetings & surveys)



## Procurements

- Monitoring of administrative steps with timelines for procurements
- Random quality check of procured items

# INSTITUTIONAL STRENGTHENING & OPERATIONAL REFORMS AT DGM&E

Under the esteemed guidance of Chairman P&D Board, continuous efforts are being made to strengthen the institutional capacity of DG (M&E) through strategic reforms and operational improvements. The first phase of the Real-Time Monitoring & Evaluation System (RTMES-I) initiated in August 2024 primarily focused on monitoring (PC-III), enabling real-time oversight of field activities and project implementation. Building on this foundation, the second phase RTMES-II started in February 2025, has expanded to structured evaluation (PC-IV), providing deeper analysis of outcomes, and value for money.

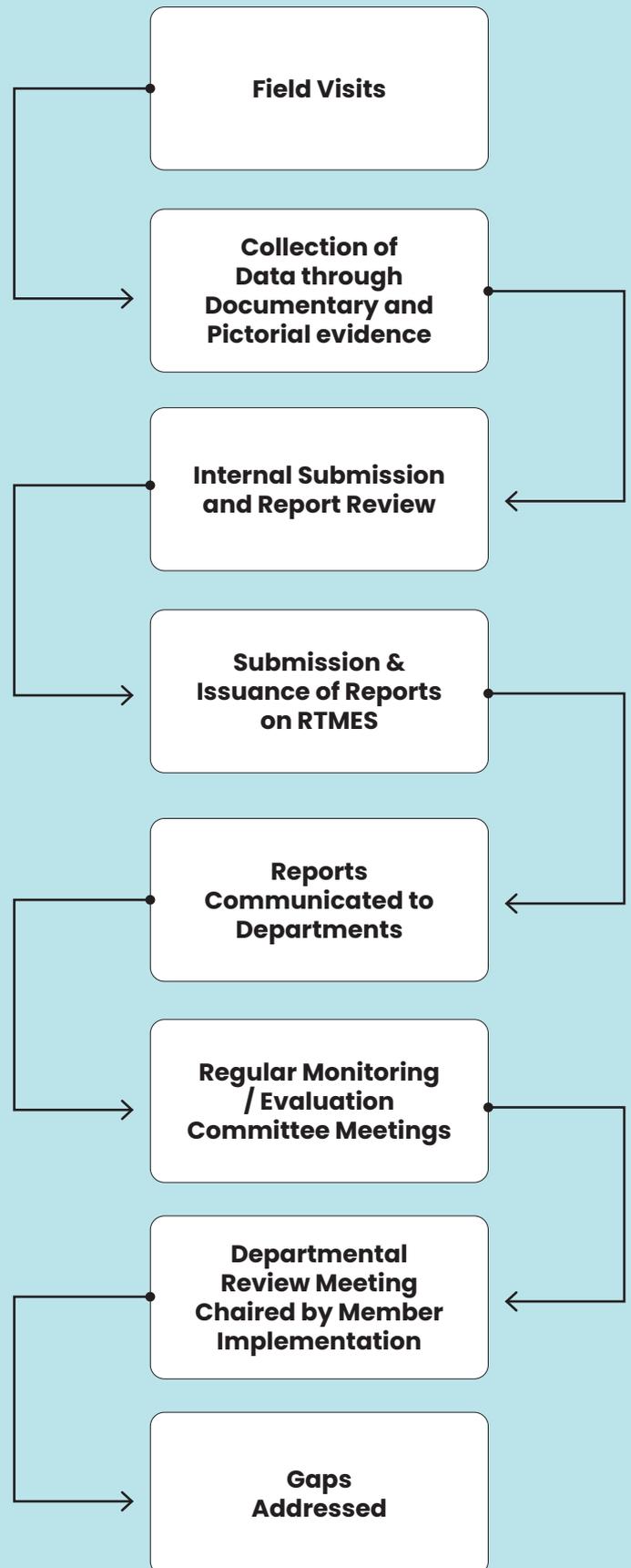
To support this advancement, modern digital tools, GIS-based applications, and enhanced field mobility are being deployed to generate reliable data and improve accessibility. Together, these initiatives are creating a robust framework for monitoring and evaluation, ensuring that development projects are tracked transparently, evaluated rigorously, and aligned with the goal of delivering sustainable and measurable results across Punjab.

## Key interventions include:

- Use of drones, GPS devices, and mobile applications for real-time field data collection and reporting
- Procurement of vehicles to facilitate greater field mobility for DGM&E teams
- Operationalization of RTMES-II for faster, smarter, and structured evaluation and reporting.
- Strengthening of human resource capacity through sanctioned positions, targeted trainings, and workshops
- Promotion of an inclusive workplace through daycare facility, transport, and a conducive office environment
- Capacity building of HR, particularly in South Punjab, on advanced monitoring and evaluation practices

# M&E CYCLE

- I. **Scheduled Field Visits:** Conducted as per a pre-approved monthly monitoring plan.
- II. **Pre-Visit Review:** PC-I, cost estimates, and scope of work are examined prior to field deployment.
- III. **Digital Site Inspections:** Real-time data captured through GPS-enabled mobile applications with pictorial evidence.
- IV. **Data Collection:** Documentary and visual records compiled to verify on-ground progress.
- V. **Report Preparation & Internal Review:** Draft reports undergo structured analysis and vetting before finalization.
- VI. **Report Submission via RTMES:** Approved reports are uploaded on the Real-Time Monitoring & Evaluation System for record and dissemination.
- VII. **Communication to Departments:** Key findings are formally shared with concerned departments for timely action.
- VIII. **Monitoring Committee Meetings (MCMs):** Discussions held on observations, challenges, and progress updates.
- IX. **Departmental Review:** Chaired by Member Implementation, focusing on in-depth evaluation and resolution planning with cross-departmental coordination.
- X. **Gap Resolution:** Identified issues addressed through timely interventions and policy feedback.
- XI. **Secure Archiving:** Reports digitally stored for future reference, institutional memory, and learning.



# RTMES-TECHNOLOGY FOR TOMORROW

RTMES-I – Real-Time Monitoring and Evaluation System (RTMES) began with its first phase as a landmark reform to strengthen governance in Punjab. RTMES-I was primarily designed to support real-time monitoring of development schemes under

PC-III reporting, ensuring timely oversight of implementation. Using GIS-based geotagging, mobile applications for on-site data collection, and drone-enabled project verification, the system introduced a new standard of accuracy,

transparency, and speed in monitoring. This phase laid the foundation for technology-driven oversight by replacing fragmented and delayed reporting with a centralized, real-time monitoring platform.

## Core Features

Powered by advanced .NET architecture, RTMES runs on dual in-house servers with dedicated firewall protection, ensuring secure, reliable, and uninterrupted performance. Its dual-layer monitoring system provides real-time visibility into both field implementation and internal operations, enabling seamless and efficient E-Monitoring & Evaluation.

- **GIS-enabled mapping** for real-time visualization of development schemes across Punjab
- **Mobile apps (iOS & Android)** for on-site data entry, geo-tagged photos, video logs, and digital attendance

- **Drone-based aerial monitoring** with high-resolution imagery to validate infrastructure progress
- **Interactive dashboards** with instant KPIs, S-curves, and project progress analytics
- **AI-driven image processing** for automated insights and anomaly detection
- **Instant digital reporting** with secure archiving of monitoring and Third-Party Validation (TPV) reports
- **Seamless integration** with SMDP, SAP, and internal databases for centralized oversight
- **Intelligent auto-scheduling engine** for optimized field assignments and visit planning
- **Digital document management** for PC-Is, approvals, and field data
- **Role-based access control** with defined permissions for monitors, evaluators, and administrators
- **GoPro-enabled surveillance** ensuring 24/7 real-time monitoring of ADP mega projects—enhancing transparency, accountability, and evidence-based decision-making

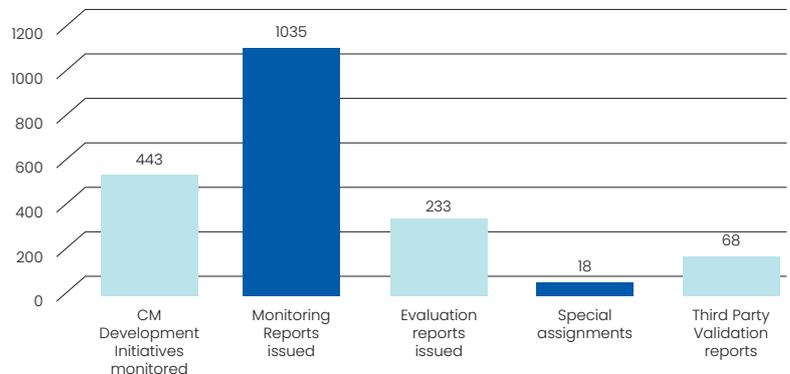


*DGM&E Team in the capacity building session in January 2025*

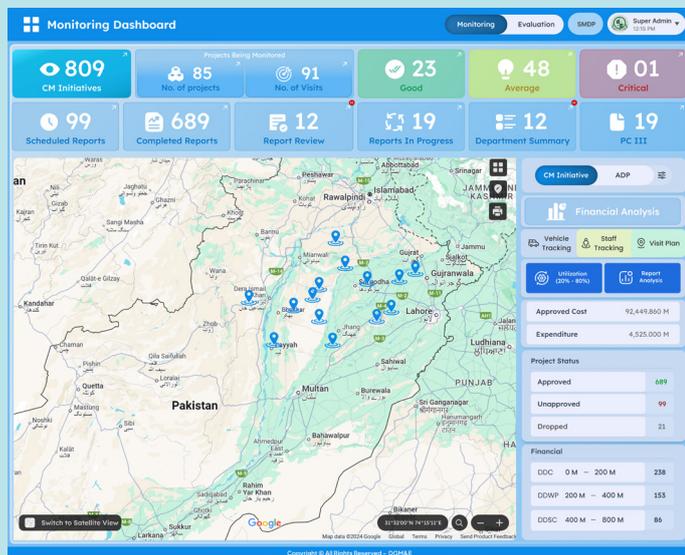
# RTMES-I Monitoring for Results

- 443 Chief Minister Development Initiatives (CMDI) monitored
- Recurring monitoring visits led to 1,035 visits of CMDI projects, with the same number of reports issued
- 233 project evaluations carried out to assess quality, timelines, and project outputs
- 18 special assignments completed through targeted field visits
- 68 Third Party Validations (TPVs) conducted

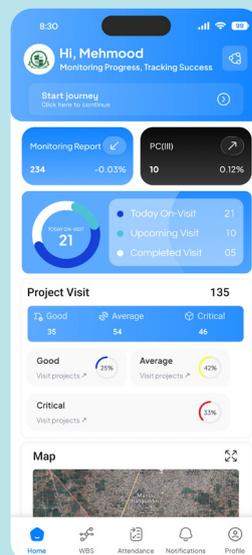
FY 2024-25 to date



## Monitoring Dashboard



## Mobile App



## Monitoring Report



# GATEWAY TO DIGITAL TRANSFORMATION: THE MONITORING OBSERVATORY

To take the RTMES a notch higher, on the directions of Chairman P&D Board Dr. Naeem Rauf, a Monitoring Observatory is being planned for evidence based decision making by developing a real-time central data base. Powered by Artificial Intelligence (AI), its key features will include;

- **Centralized Data Hub:** Integrates project reports, financial records, drone footage, GoPro visuals, and satellite imagery
- **Unified Access Portal:** Connects project teams, agencies, and partners for real-time communication and transparency
- **Real-Time Dashboard:** Provides instant insights on

budget use, timelines, and beneficiary reach through interactive charts

- **Geospatial Monitoring:** Uses GIS, drones, and satellite imagery to track on-ground progress
- **Automated Alerts:** Generates alerts to notify stakeholders of delays and deviations

# RTMES-II Evaluating for Outcomes

RTMES-II – Building on the success of Phase-I, the second phase—RTMES-II—has expanded the system to include evaluation under PC-IV, a function that was previously carried out through manual processes. By integrating evaluation into the digital framework, RTMES-II ensures structured, evidence-based assessments of project outcomes, impact, and value for money alongside

routine monitoring. The upgraded system is equipped with AI-powered analytics, live dashboards, auto-scheduling of field visits, and integration with SMDP and internal databases. Features such as digital document management, role-based access, and secure dual in-house servers further strengthen transparency, accountability, and data security. Together, these

advancements make RTMES-II a comprehensive and future-ready model for real-time monitoring and evaluation, enabling effective governance, improved service delivery, and informed decision-making across Punjab.

## EVALUATION REPORTS / PC-IV

FY 2022-23	53
FY 2023-24	67
FY 2024-25	233

# AGING ANALYSIS: 357 LONG-STANDING PROJECTS IDENTIFIED FOR CLOSURE

Evaluation Report



Mobile App



Evaluation Dashboard



Data suggests that 357 projects had been active in ADP 2024-25 for over six years— including 67 projects running for 10–20 years and 290 projects between 6–10 years. These long-standing schemes were communicated to P&DB for closure through full funding. Further, 276 schemes in the ADP of 2024-25, were unfunded / non-functional thus lack in departmental priority and had been formally depicted by relevant departments for closure through submission of PC-IVs.

Such development schemes face common challenges including rising implementation costs, limited fiscal space for new initiatives and long delays in providing intended benefits to the public. The review recommends that administrative departments should promptly close inactive projects and the project-aging exercise be conducted regularly to strengthen planning and maintain financial discipline to ensure efficient use of resources.

