



IFRAP
Integrated
Flood Resilience &
Adaptation Project



**Ministry of Planning
Development &
Special Initiatives**



INTEGRATED FLOOD RESILIENCE & ADAPTATION PROJECT

Quarterly Progress Report (Q1)
(June – September 2025)
(Component-II)

MONITORING & EVALUATION (M&E) CONSULTANT

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Glossary of Acronyms and Abbreviations

AWS	Automatic Weather Station
API	Application Programming Interface
AWP	Annual Work Plan
AWS	Automatic Weather Station
EAD	Economic Affairs Division
ESCP	Environmental and Social Commitment Plan
ESMF	Environmental and Social Management Framework
ESMP	Environmental and Social Management Plan
ESS	Environmental and Social Standard
FGDs	Focus Group Discussions
FPMU	Federal Project Management Unit
GIS	Geographic Information System
GoB	Government of Balochistan
GoP	Government of Pakistan
GRM	Grievance Redress Mechanism
HPC	High Performance Computing
IFRAP	Integrated Flood Resilience and Adaptation Project
IP	Implementing Partners
IR	Intermediate Results
IRIs	Intermediate Results Indicators
IVR	Interactive Voice Response
JV	Joint Venture
M&E	Monitoring and Evaluation
MHSP	Modernization of Hydromet and Climate Services
MIS	Management Information System
MoPD&SI	Ministry of Planning, Development and Special Initiatives
NDMA	National Disaster Management Authority
WSR	Weather Surveillance Radars
P&DD	Planning and Development Department
PAD	Project Appraisal Document
PDMA	Provincial Disaster Management Authority
PDO	Project Development Objective
PIU	Project Implementing Unit
PMD	Pakistan Meteorological Department
PMIS	Project Monitoring Information System
RBMEF	Results-Based M&E Framework
RMC	Regional Meteorological Centre
IMG	Institute of Metrology and Geophysics
WB	The World Bank

1. EXECUTIVE SUMMARY

1.1 Purpose and Scope of the Report

This First Quarterly Progress Report (QPR) presents the monitoring findings for Component-II (Strengthening Hydromet and Climate Services) of the Integrated Flood Resilience and Adaptation Project (IFRAP) for the period from June to September 2025. The M&E Consultants completed preparatory work, system-development, and institutional coordination that together established the foundation for evidence-driven implementation monitoring across all the four project components of Rehabilitation of Community Infrastructure, Strengthening Hydromet and Climate Services, Resilient Housing and Technical Assistance and Citizen Engagement.

The QPR has been prepared by the Monitoring and Evaluation (M&E) Consultants to assess progress against planned activities, verify reported deliverables, and document key observations related to Component -II focused on Strengthening Hydromet and Climate Services.

1.2 Summary of Progress During the Reporting Period

During the reporting period, Component II - *Strengthening Hydromet and Climate Services* remained in preparatory stages centered on design, procurement, and institutional setup. Summary of achievements of M&E Consultants during this quarter are summarized below:

- **M&E Institutionalization:** The M&E Framework initially drafted and submitted in June was revised and resubmitted to align with revised Project Paper, restructuring and additional financing. The updated framework reflects refined indicator, revised targets, and standardized monitoring tools across all components.
- **Digital Systems Development:** The Project Monitoring Information System (**PMIS**) was developed and made operational which is accessible to FPMU and respective PIU users. PMIS consists of five modules: (i) Results Framework; (ii) Field Monitoring; (iii) GRM; (iv) Safeguards and (v) Dashboard Visualization. These modules were tested using dummy datasets. Integration remains pending because Components I and II lack MISs, and Component 3's MIS API is under development.
- **Institutional Readiness:** The PIU-II operates on static tracking, limiting real-time progress validation. Approval and tender cycles for Component II are longer than planned. The key constraint in the tracking process is the absence of computerized MIS timeline/milestones. Accordingly, remedies lie with rolling tender calendars and online milestone. These steps will mark the transformation of IFRAP's M&E operations from discrete verification into a continuous, system-based performance-monitoring.

1.3 Key Constraints, Risks, and the Way Forward

The following are the **Emerging Risks and suggested mitigation:**

Risk Cluster	Key Issue	Decision / Mitigation Direction
Data Integration	There exists no MIS for Component -II	Finalize interim Excel-to-web bridge by Nov 2025 with the help of M&E Consultants.
GRM Operationalization	GRM Framework approved and operationalized. However, due to non-commencement of physical work at fields level, no complaint has been received.	Visibility campaign and dissemination of complaints mechanism will be operational on project sites once the work commencement is started.

The upcoming quarter (**Oct – Dec 2025**) will focus on **transitioning from readiness verification to process monitoring**, emphasizing:

- Continued deployment of GRM–PMIS.
- Process monitoring design and tender /procurement process.
- The launch of Risk & **Data-Quality Dashboards** for FPMU.

2. OVERVIEW OF THE REPORTING PERIOD

Corresponding to the first quarter of M&E implementation the present Quarterly Progress Report (QPR) covers the period from June to September 2025. In line with approved (revised) M&E Framework, the M&E Consultants followed Result-based Monitoring and Evaluation (RBME) approach for the Integrated Flood Resilience and Adaptation Project (IFRAP). Essentially, this period coincided with the Project's transitional phase between planning, procurement and system establishment and the gradual shift towards field-level activities and process monitoring. Since component-II involves international procurement processes, it takes a lot of time and effort before materializing the procurement. Spade work is in progress to implement the project activities. Site Identification of 110 AWS has been finalized with the approval of relevant department in all the provinces including 45 in Baluchistan, 15 in Sindh, 25 each in Punjab and Khyber Pakhtunkhwa (**List of AWS at Annex-I**) . Sites of four (4) Radars along with Environmental screening has also been completed with their locations at DI Khan, Lahore, Gwardar and Quetta. Design and survey of IMG and Met Workshop Karachi has been completed; bidding process is in progress. ESMP of the IMG and Met Workshop is under review at the World Bank.

2.1 Project Overview

The Government of Pakistan initiated the Integrated Flood Resilience and Adaptation Project (IFRAP), financed by the World Bank credit number 73330-PK. The project is implemented through the Federal Project Management Unit (FPMU) established under the Ministry of Planning Development & Special Initiatives. The objective of the project is to restore essential infrastructure and services in 2022 flood-affected regions of Balochistan and to nationwide Strengthening of Hydromet and Climate Services .

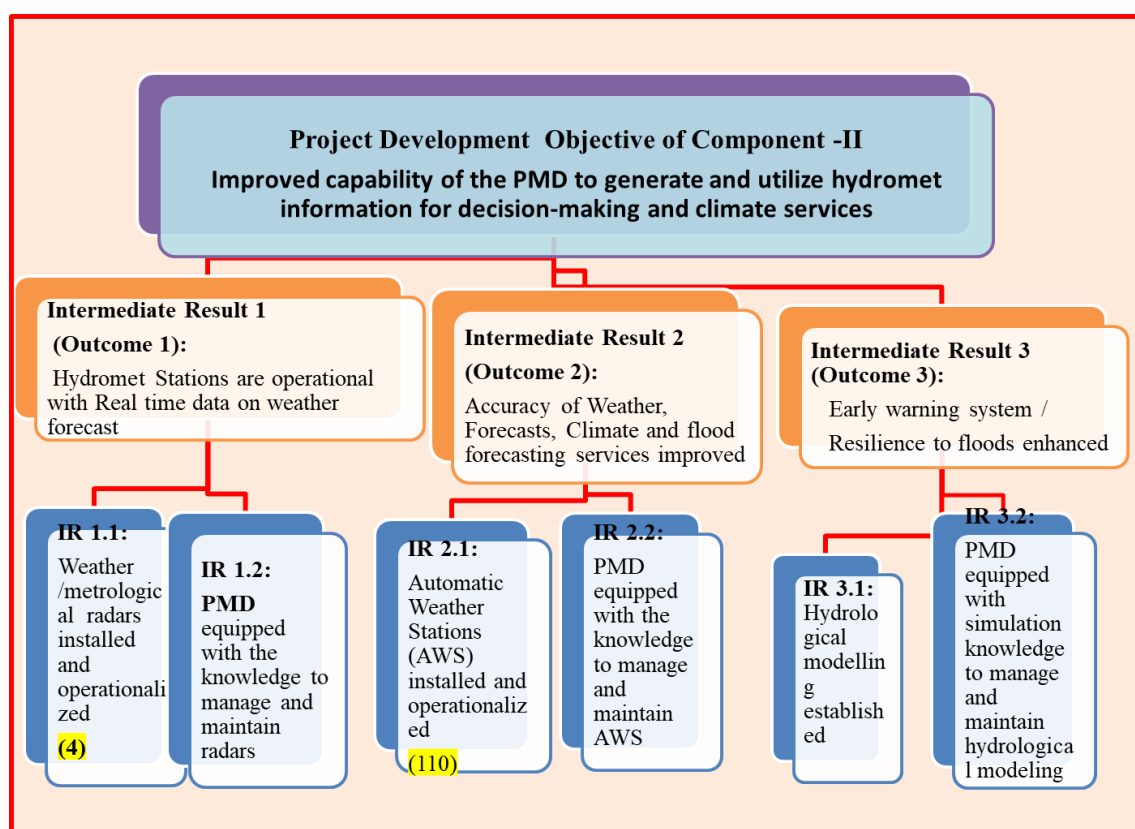
IFRAP supports the Government of Pakistan's post-flood recovery and resilience, through the four integrated components: (i) Rehabilitation of Community Infrastructure; (ii), Strengthening Hydromet and Climate Services; (iii) Resilient Housing and restoration (iv) Technical Assistance and Citizen Engagement.

Components I and II - remained in preparatory stages centered on design, procurement, and institutional setup. Component III - Resilient Housing Reconstruction and Restoration achieved tangible field progress in 11 districts of Balochistan that now provides the empirical base for process-monitoring analytics. Component IV - Project Management, Technical Assistance, and Institutional Strengthening enabled this progress by finalizing the revised M&E Framework, deploying the PMIS, and initiating GRM development, deployment and integration .

2.2 Project Development Objectives

The overall IFRAP's Development Objective (PDO) is ***“To support the recovery of flood-affected households and communities and to strengthen the government's capacity for disaster-resilient reconstruction and climate adaptation.”*** During this quarter, M&E Consultants focused on reviewing institutional readiness, field validation of progress, and calibrating monitoring systems with the revised PAD envisaging restructuring and additional financing.

The project development objective for component-II focuses on the Improved capability of the PMD to generate and utilize hydromet information for decision-making and climate services. It will enable evidence-based disaster preparedness and climate-informed decision-making by strengthening Pakistan's hydrometeorological and early warning systems at both national and provincial level. Intermediate Results of the inputs of C-II with their respective outcomes leading towards PDO are given in the following figure:



2.3 Data Sources, Coverage and Limitations

The findings presented in this report are based on verified information compiled from multiple sources, including the Annual Work Plan (AWP) provided by the FPMU, progress submissions and supporting documentation provided by PIU for Component-II and records of coordination meetings held during the reporting period.

During Q-1, a dedicated Management Information System (MIS) for Component-II was not operational. As a result, data consolidation and verification were carried out through manual and semi-automated processes, including document reviews, coordination meetings, cross-verification with PIU records, and tracking of submission and review timelines. While the absence of an MIS affected data aggregation efficiency, it did not limit the ability of the M&E team to verify reported progress for quarterly monitoring purposes.

Component-II had not yet established MIS platforms which is a major limitation. As a result, data consolidation remained manual and semi-automated, verified by and large through document reviews, PC1 and triangulation of field and available PIU-II documentation.

Overall, the M&E approach combines field-based verification particularly with process monitoring, guided by the following principles:

- 1. Evidence-based Reporting:** Every data point included in the main report was supported by PIU-II progress reports, or other documentary evidence reviewed by M&E team.

Triangulation and Validation: Progress claims were cross-checked using multiple sources like; PIU-II reports, pre-baseline survey conducted by PIU-II, and meeting records to ensure accuracy and consistency.

- 2. Progress Classification:**

- *Completed:* Activity fully implemented and verified.

- *Ongoing*: Activity initiated but not yet verified through field evidence.
 - *Pending*: Activity not initiated or awaiting documentation.
- 3. M&E Analytical Lens:** The report applies three-tier M&E interpretation:
- **Readiness** – institutional and procedural setup status.
 - **Implementation Efficiency** – timeliness and coordination.
 - **Compliance Behavior** – adherence to safeguards, inclusion, and data protocols.
- 4. Results Linkage:** Quantitative progress under each component was mapped against the PDO and Intermediate Results indicators defined in the revised PAD/restructuring paper and additional financing to facilitate consistency with World Bank reporting formats.

3. RESULT FRAMEWORK – COMPONENT-II

The Results Framework for IFRAP provides the overarching structure for tracking progress toward the Project Development Objective (PDO) and component-level intermediate results. For Component-II (Strengthening Hydromet and Climate Services), the approved indicators primarily relate Modernization of Observation Infrastructure and Provision of Technical assistance and Capacity Building.

During the reporting period, Component-II activities at the preparatory and design stages. As such, no physical outputs or outcome-level results were realized against the Results Framework indicators. Progress during the quarter focused on preparatory actions required to operationalize the Results Framework, including preliminary assessments and design finalization processes. Measurement of progress against PDO and intermediate indicators will commence once physical work begins and field-level implementation advances.

The Results Framework indicators applicable to Component-II, as defined in the revised PAD, will be tracked in subsequent quarters following completion of baseline surveys and initiation of construction activities.

3.1 Project Development Objectives (PDO) Indicators

Indicator No.	Indicator Description	Unit of Measure	End Target	Q-2 Status (June - Sep 2025)	Remarks
PDO-1	People with enhanced resilience to climate risks	Days	5	0 Achievement (Preparatory phase)	Component-II activities at design and planning stage;
PDO-4	Increase in weather forecast lead time of PMD	Number	1,800,000	0 Achievement (Preparatory phase)	Flood protection and resilience interventions under preparation stage

3.2 Intermediate Results Indicators

Indicator No.	Indicator Description	Unit of Measure	End Target	Q-2 Status (Oct–Dec 2025)	Remarks
IRI-10	Weather radars installed and operationalized	Number	4	0 Achievement (Preparatory phase)	Technical Specifications of Radars submitted to World Bank
IRI-11	Automatic Weather Stations (AWS) installed and operationalized	Number	110	0 Achievement (Preparatory phase)	Procurement of AWS Contracts in progress
IRI-12	Hydrological modelling based early warning system established for hill torrents in Balochistan	Yes/No	No	0 Achievement (Preparatory phase)	Preparatory phase

4. M&E ACTIVITIES, PROGRESS & COORDINATION

4.1 M&E Activities During the Reporting Period

Overview of key M&E activities during this quarter with the outcome status is summarized below:

Category	Key Activities Undertaken (June – September 2025)	Status / Outcome
Project Initiation & Coordination	○ Inception meeting held with PIU-PMD on 2nd June 2025, • Alignment session conducted with Focal and resource Persons of PIU-II on understanding of technical aspects, methodologies, and reporting formats.	Completed
Deliverables Submitted	• <i>Draft Inception Report</i> submitted to FPMU on 16 June 2025. • <i>Draft M&E Framework</i> submitted to FPMU on 20 June 2025. • <i>PMIS Development Report</i> submitted to FPMU on 23 June 2025. • <i>Draft GRM Implementation Plan</i> submitted to FPMU on 7 August 2025.	Completed
System Development (PMIS & GRM)	• PMIS initially deployed (23 June 2025). • Access of PMIS shared and facilitated to FPMU (22 July 2025). • GRM Implementation Plan endorsed by PIU-PII in line with PIU's approved GRM from PMD adhering to World Bank's GRM's guidelines (22 September 2025).	Completed / Ongoing
Coordination & Supervision	• Continuous liaison maintained with PIU-II for feedback and technical validation as and when required.	Continued

While these represent significant coordination progress, data-level synchronization among PIUs did not materialize due to the absence of functional MIS systems. M&E operations therefore remained heavily dependent on human coordination rather than automated data exchange.

Coordination among FPMU, PIU-II, and the M&E Consultants evolved from orientation to operational alignment during this quarter. Major institutional agreements, approval of the M&E Framework, endorsement of GRM plans, and definition of PMIS metadata standards have laid the foundation for integrated process monitoring. The forthcoming quarter will test decision-tracking efficiency and data-sharing discipline, both critical to institutionalizing results-based management across IFRAP.

4.2 Coordination Meetings and Key Outcomes

Seven meetings of M&E Consultants were held with PIU-II during the reporting period of Quarter 01. (List of Participants, proceeding details, decisions and follow ups are given at Annex-II). These meetings established an operational interface for M&E activities: data flows, tool standardization and GRM protocols. Key decisions of the meetings are summarized below:

1 Meeting – M&E Inception with PIU-II

- **Date:** 02 June 2025
- **Venue:** Hydromet Office, Islamabad
- **Key Decisions:**
 - M&E Framework for Component-II to be developed using Results and Log frame indicators.

- PIU-II to share all project documents immediately.
- GRM channels are to be provided for inclusion in M&E tracking.
- Office visit to PMD planned for system familiarization in 2nd week of June.

2 Meeting – Follow-Up Actions

- **Date:** 27 June 2025
- **Venue:** PMD Saidpur Office
- **Key Findings and Decisions:**
 - PIU-II to provide updated targets and feedback on M&E tools by 5 July.
 - 3 radar sites finalized (Quetta, DI Khan, Cherat); 2 (Gwadar, Lahore) under consideration.
 - Radar supervision consultancy RFP sent to World Bank.
 - AWS procurement in final evaluation stage.
 - Institutional Development Plan and pre-baseline ToT completed.
 - Issues noted: global price escalation and possible delays due to contractor security clearance.

3 Meeting – Clarifications on AWS & Progress (PMD)

- **Date:** 22 July 2025
- **Venue:** PIU–PMD Saidpur Office
- **Key Decisions:**
 - AWS reduced from 300 to 110 due to rationalization of cost.
 - Province-wise allocation: Balochistan 45, Punjab 25, KP 25, Sindh 15.
 - Task team established under Hydromet Policy (10 July notification).
 - M&E team to coordinate with PMD regional offices.
 - Radar site workplans and meeting minutes to be shared with M&E firm.

4 Meeting – Review of Baseline Data Tools

- **Date:** 28 July 2025
- **Venue:** PMD HQ, H-8
- **Key Fundings and Decisions:**
 - 4-day field training (30 July–2 Aug) confirmed for data collectors.
 - Tools digitized using Android app.
 - Added new sections on “Capacity Building” and “Institutional Development.”
 - Revised tools finalized and shared for PMD approval.

5 Meeting – Review of GRM of C-II

- **Date:** 08 August 2025
- **Venue:** PIU–II Saidpur .
- **Key Decisions:**
 - PIU’s three-tier GRM reaffirmed as valid.

- Comments from Dr. Shahzada Adnan to be integrated.
- Pre-baseline reports to be shared with M&E Consultants.
- Awareness content to be revised for GRM messaging.

6 Meeting – Baseline Survey

- **Date:** 22 August 2025
- **Venue:** PIU–II Saidpur Office
- **Key Decisions:**
 - Nationwide coverage approved (not limited to Balochistan).
 - Quarterly process monitoring to continue.
 - PIU to provide bidding documents for milestone tracking.
 - JICA study on forecast accuracy to be shared.
 - Site visits to AWS/Radars (Lahore & Islamabad) planned.
 - Sample respondents include Public, UN, NGO, and Media sectors.
 - Next meeting scheduled for tool finalization.

7 Meeting – Baseline Survey Design

- **Date:** 17 September 2025
- **Venue:** PMD HQ, H-8 Islamabad
- **Key Decisions:**
 - M&E Consultants to prepare matrix of indicators and checklist tools.
 - Process monitoring to continue quarterly.
 - PIU to share bidding documents for milestone extraction.
 - Field teams to conduct sampled site visits (110 AWS, including 45 in Balochistan).
 - GRM SIM (0325-5373330) assigned and banner/complaint box to be installed at PMD HQ.

4.3 Coordination Effectiveness and Institutional Learning

From an M&E perspective, coordination arrangements during the first quarter demonstrated increasing understanding of deliverables which are of high value and technical in nature. Coordination effectiveness was assessed across several dimensions, as summarized below.

Coordination Dimension	Maturity (M&E Assessment)	Evidence / Observation
Communication Frequency	High	Regular meetings and ongoing WhatsApp communication and necessary email exchanges between PIU-Component-II and the M&E team
Data Responsiveness	Moderate	Manual data sharing and document-based tracking due to absence of a Component-II MIS
Inter-PIU Collaboration	Emerging	Increased interaction with PMD and Regional Metrological Centers..
Use of M&E Findings	Increasing	M&E observations referenced in discussions on delays and corrective actions

Overall, coordination during Q-I established a functional foundation for results-based monitoring of Component-II. However, the absence of digital tracking tools limited the ability to quantify follow-up

efficiency and closure of action points. Moving forward, M&E will transition from coordination facilitation toward coordination measurement by tracking response times, revision cycles, and decision closure rates as part of Component-II readiness monitoring.

5. PROCESS MONITORING & ANALYSIS

This section presents an independent M&E appraisal of the component-II progress based on PIU-II monthly/quarterly reports, meetings and discussions. The analysis emphasizes process monitoring, assessing implementation efficiency, coordination readiness, and compliance with M&E and safeguard protocols rather than repeating administrative achievements.

5.1 M&E Process Monitoring Perspective

During June–September 2025, Component-II by and large remained in a transitional stage between planning and operational rollout. Physical progress reported by PIU-II largely reflects sites selection, procurement or design milestones, while system-level monitoring infrastructure particularly PMIS integrations was not yet functional. Components-II is still building its institutional and data-management foundations.

The Monitoring and Evaluation function in this quarter as a whole focused on validating progress against the AWP and identifying bottlenecks affecting implementation efficiency across components. M&E activities remained diagnostic and process-oriented, emphasizing verification and system readiness assessment.

5.2 Approach and Focus

- **Verification over measurement:** With no functional MIS for Component-II and API integration, M&E teams relied on manual evidence verification through documentation reviews, site visits, and stakeholder consultations.
- **Three-tier lens:**
 1. **Readiness Assessment:** validation of inputs (designs, tenders, staffing, GRM setup) against AWP commitments.
 2. **Implementation Efficiency:** tracking timeline adherence and decision bottlenecks.
 3. **Compliance Behavior:** gauging how PIUs embed safeguards, inclusion, and data-management within operations.
- **Data Limitations:** PMIS integration remained pending for PIU-II. Progress for this quarter is semi-automated, drawn from PIU spreadsheets and validated M&E observations rather than system-generated records.

The Hydromet component advanced primarily on procurement design . PMD approved AWS and radar site selection and accordingly Component-II initiated multiple procurement process (AWS, HPC, Radars, System Integrator, Civil-Works consultancy).

5.3 Process-Monitoring Observations

Summary of progress related to AWS, Radar, IMG and GRM attained during the reporting period ascertained in PIU-II progress report is given in the following table:

Infrastructure	Milestone	Status	M&E Interpretation
AWS site selection	Completed	Documentation complete	Geographic distribution verified; data coverage nationwide.
AWS procurement	Technical & financial evaluation	In process	Invitation for Bids of AWS was published, opened and Combined evaluation report submitted to WB and NOL was issued by WB on 13-07-2025. Letter of Award issued to Most Advantageous Bidders of both lots on 03-09-2025. Performance Guarantees submitted by both the bidders, which

			are under verification process. Draft contracts shared with the successful bidders.
Radar supervision & civil-works procurement	RFP issued Jul–Aug 2025	In process	Tendering concurrent; schedule congestion risk.
GRM validation	July–Aug 2025	Approved framework, limited visibility	Awareness or signage absent at field level.
Institute of Metrology and Geophysics (IMG)	Technical Design and Estimation Review ESMP clearance	In Process	Procurement process for hiring civil works consultant completed Engineer's Estimates and detailed design of IMG Building, Karachi and other related civil works are completed. Currently, technical bids are under evaluation.

M&E Analysis

Sites for installation of AWS and Radars are identified in consultation with PMD's Regional offices and related line departments of the respective province. Preparatory activities are taking more than planned AWP time frame. Procurement is lengthy and time-consuming process particularly involving imports of AWS and Radars which are highly sophisticated equipment. It remained in progress under compliance of lengthy administrative procedures.

There is no dedicated MIS for tracking Component II activities. As a result, procurement status, contract milestones, and site readiness are not centrally visible to FPMU or the M&E team.

Recommendations:

- Introduce a *Site Readiness Scorecard* for each AWS/Radar location.
- Identify activities of the quarter with planned commencement and completion time frame versus actual commencement and completion of activities during the quarter which will help facilitate delay analysis.
- Maintain a *Procurement Risk Register* to track lead times and mitigation.
- Begin *ESS2/ESS10 orientation sessions* for field teams (Q2 2025-26).

5.4 Analysis of Delays and Contributing Factors

Progress against the planned timeline was affected by repeated revision cycles and submissions that required additional technical refinement. Contributing factors included the time required by the consultants to address design deficiencies, iterative PIU reviews, and incorporation of observations received from the World Bank prior to final clearance.

The major limitation in analytics by M&E Consultants during the reporting period was unavailability of specific information requested during coordination meetings as summarized below:

SI #	Reference	Information required by M&E Consultant	Status
1	Ref : Minutes of Meeting 2 held on 27th June, 2025	" Targets of all activities under Component- II will be shared by PIU-PMD" by 5th July,2025	Awaited
2	Ref: Minutes of 6th Meeting held on 22 nd August, 2025: Follow up action of Item II of the agenda on "Process Monitoring"	"PIU-PMD will provide a copy of bidding document to M&E Consultants to extract relevant information like timeline/milestones of the installation and operations of AWS/Radars "	Awaited

SI #	Reference	Information required by M&E Consultant	Status
3	Ref: Minutes of 6th Meeting held on 22 nd August, 2025: Follow up action of Item IV on “Improved Accuracy of Weather Forecast”	“ PIU-PMD will provide JICA study to M&E Consultants to help facilitate monitoring of the measures leading to increase forecast from 3 to 5 days”	Awaited
4	Ref: Minutes of 7th Meeting held on 17 th September 2025: Follow up action of Item II on “Process Monitoring”	Through the Deputy Project Director, M&E Consultants will follow up with Procurement section for obtaining a copy of bidding document enabling them to extract relevant information like time line/milestones of the project activities.	Awaited

The delay was primarily attributable to multiple review cycles and successive revisions required to address technical and contextual observations. Responsibility for the delay was shared, with contributing factors including the time required by the consultants to incorporate comments and the sequence and timing of feedback received from the PIU and the World Bank. Planned commencement and completion dates of major activities of the reporting period as per AWP (status missing due to unavailability of information from PIU-II) are summarized below:

S. No.	Activity	Planned Commencement Date	Planned Completion Date	Current Status/ Reasons of delays (if any)	
	PACKAGE I: MODERNIZATION OF OBSERVATION INFRASTRUCTURE, DATA MANAGEMENT AND FORECASTING SYSTEM				
1	FLOOD FORECASTING (RADARS)				
a.	Evaluation of Technical Bids	03-Aug-25	12-Sept-25		
b.	NOL from WB	13-Sept-25	04-Oct-25		
2	SUPERVISION CONSULTANTS FOR RADAR				
a.	Opening of Financial Proposals	20-Aug-25	4-Sept-25		
b.	Evaluation of Financial Proposals	5-Sept-25	15-Sept-25		
c.	Approval of Overall Ranking	16-Sept-25	23-Sept-25		
d.	NOL from WB	24-Sept-25	4-Oct-25		
3	PROCUREMENT AND INSTALLATION OF AWS				
a.	Supply of AWS under Phase-I Plan (Lot-I & Lot-II)	01-Jul-25	31-Dec-25		
4	PROCUREMENT OF HPC				
a.	Review of Bidding Documents and Recommendations by SI Consultants*	29-Sept-25	13-Nov-25		
5	SYSTEM INTEGRATOR				
a.	Standstill Period	18-Aug-25	2-Sept-25		
b.	Negotiations & Award of Contract	3-Sept-25	10-Sept-25		
c.	Signing of Contract Agreement	11-Sept-25	18-Sept-25		
d.	Mobilization Advance and ongoing payments	19-Sept-25	17-Oct-25		

5.5 Result Framework : Status update

The Results Framework provides overarching structure for tracking progress toward the Project Development Objective (PDO) and component-level intermediate results. During the reporting period, Component-II activities remained at the preparatory and design stages. As such, no physical outputs or outcome-level results were realized against the Results Framework indicators.

Measurement of progress against PDO and intermediate indicators will commence once physical work begins and field-level implementation advances. Accordingly, the Results Framework indicators of Component-II, as defined in the revised PAD, will be tracked in subsequent quarters.

The current status achievements of PDO and respective IRIs are summarized below:

5.5.1 Project Development Objectives (PDO) Results Indicators

Indicator No.	Indicator Description	Unit of Measure	End Target	Q-1 Status (Jun-Sep 25)	Remarks
PDO-2	People with enhanced resilience to climate risks	Number	1,800,000	0	Preparatory/inception activities initiated for technical specifications, sites identification, capacity building, civil work consultancy and procurement perquisites which involve import of equipment
Sub-Indicator 02 a	Of Which Youth	Number	5,40,000	0	
Sub-Indicator 02 b	Of which women	Number	9,00,000	0	
PDO-7	Increase in weather forecast lead time of PMD	Days	5	0	Modernization of observation infrastructure, data management and forecasting interventions are under preparation stage

5.5.2 Intermediate Results Indicators

Indicator No.	Indicator Description	Unit of Measure	End Target	Q-1 Status (Jun-Sep 2025)	Remarks
IRI-10	Weather radars installed and operationalized	Number	4	0	Initiated preparatory activities for site identification, Technical Specifications and approval process adhering to the World Bank protocol
IRI-11	Automatic Weather Stations (AWS) installed and operationalized	Number	110	0	
IRI-12	Hydrological modelling based early warning system established for hill torrents in Balochistan	Yes/No	Yes	No	Initial/Preparatory phase

6. IMPLEMENTATION OF GRM

M&E Consultants developed Grievance Redress Mechanism (GRM) in consultation with PIU-II and approval of FPMU. Necessary infrastructure and Institutional arrangements are in place at PIU-II Saidpur office adhering to standard redressal procedure through a timely, transparent, and predictable process. Accordingly, Banner and complaint box have properly been placed in corridor at the accessible place besides Conference room. GRM Associate has been appointed and deployed followed by necessary orientation in collaboration with and support of PIU-II.

GRM manual/guidelines were prepared and implemented by M&E Consultants with the approval of FPMU after necessary consultation with PIU-II.



Two complaints were received during the Stand Still Period, which were resolved successfully after clearance from WB.

PIU-II has identified and selected four sites for Radars and 110 sites for installation and operation of AWS in all the four provinces of Pakistan in consultation with and support of Regional Metrological Centers .

Due to non-commencement of physical work at fields level, no complaint has been received during the reporting period

GRM particulars of PIU-II are summarized below:

#	Parameters	Particulars
1	Focus	Strengthening hydromet and climate services
2	Call/WhatsApp	0325-5373330
3	E-male	complaint@ifrap.org.pk
4	Toll free ptcl	In process
5	GRM Associate (mobile)	Mr. Muhammad Amjad Shakeel (Mobile: 0300-9887130)
6	PIU -II Focal person (mobile)	Mr. Basharat Khan, SSS/M&E Specialist (mobile: 0301-5383283)
7	Banner displayed at PIU-II	

8	Complaint Box	A Transparent Complaint Box with lock placed at PIU-II Saidpur office, Islamabad. Box is locked and with the keys provided to Designated official of PIU-II (Mr. Faizan) and GRM Associate (Mr. Amjad Shakeel)	
9	GRM Structure	• Grievance (s) received and Categorized : - Concerns about data accuracy, missing readings, forecasting delays. • Triage & Response - Immediate technical review - PMD's technical team handles fixes/upgrades - Track resolution steps and closure. • PMIS Linking - Issue logged updates service-uptime or forecasting accuracy KPIs in real time.	

7. PMIS / DATA SYSTEMS UPDATE

7.1 PMIS development & integrations

The PMIS serves as the central data repository for IFRAP, intended to consolidate physical, financial, safeguard, and grievance information across all PIUs.

By the end of this quarter, the system was functionally developed but not yet integrated, primarily due to asymmetric MIS capacities across IFRAP components.

Component	MIS Status	Integration with PMIS	Observed Issues / Remarks
C-II Hydromet and Climate Services	No MIS; Exists only procurement tracking spreadsheets	Not integrated	PIU-II yet to establish internal data schema for AWS / Radar progress.

Status Summary:

- **Integration:** 0 % functional interconnection as of 30 Sep 2025.
- **Development:** Core PMIS modules (Indicators, GRM, Safeguards, GIS, Reports) built and tested in isolation.
- **Dependency:** Missing MIS for C-II and finalization.

7.2 Dashboard snapshots & the Way forward

The existing Dashboard envisages the following Modules:

1. **Results Framework Dashboard** – displays PDO/IR indicators (sample data only).
2. **GRM Module** – architecture and live complaint feed complete.
3. **Field Monitoring Module** – linked to Android data capture app tested in Quetta training.
4. **Safeguard Compliance Tracker** – ESMF and OHS variables ready for activation.

Planned areas for Q2 (Oct–Dec 2025) are as under:

Upgrade Area	Planned Action	Responsible Entity	Timeline
Component -II MIS Development	Design lightweight Excel-to-web upload interface pending	PIU II w/ M&E Support	Dec 2025
User Access and Audit Trail	Enable login roles and version control for data uploads	M&E Consultants	Dec 2025
Visualization Upgrades	Add geo-referenced heat maps for construction and GRM cases	M&E Consultants	Dec 2025
System Training Round II	Conduct hands-on PMIS orientation for PIUs after integration	FPMU + M&E Consultants	Jan 2026

The PMIS backend is **technically complete but institutionally underutilized**. The debate is no longer about coding capacity, it is about **data ownership and accountability**. Without designated data custodians in each PIU, the system risks remaining a showcase tool.

Instead of waiting for full MIS deployment, M&E recommends a **phased “data-bridge” model to**

1. Import static quarterly progress sheets through standardized templates.
2. Automate validation scripts for duplicates / anomalies.
3. Transition to live APIs once MIS systems are operational.

Planned Actions for Q2 (Oct–Dec 2025)

1. Establish a **Data Governance Protocol** defining roles for FPMU M&E, PIU Data Focal Points, and the M&E Consultants.
2. Introduce a **Data Submission SLA** requiring PIUs to upload verified records within 48 hours of field activity.
3. Activate **auto-generated Data Quality Scorecards** within PMIS (accuracy, timeliness, completeness).

As of 30 September 2025, IFRAP's digital monitoring infrastructure is at a *functional* stage rather than an operational system.

8. RISK MATRIX & MITIGATION

The M&E Consultants maintain a live, evidence-based Risk Register aligned with the World Bank's Environmental & Social Framework (ESF) and the IFRAP Results Framework. This section summarizes risk categories tracked through process monitoring, defines their current rating, and specifies mitigation actions with accountable entities.

8.1 Updated Risk Matrix

#	Risk Category	Description / Root Cause	Current Rating*	M&E Evidence Source	Mitigation Actions & Responsible Entity
1	Implementation Delays (C-II)	Multiple review cycles and successive revisions required to address technical and contextual observations. Incorporation of comments and feedback received from PMD and the World Bank.	High	PIU - II minutes /notes of coordination meetings	• Adopt rolling tender schedule per package. Resp.: PIU-II.
2	Data Integration	Missing MIS for C-II and unavailability of API	High	PMIS review (Aug–Sep 2025); M&E notes	• Develop temporary Excel-to-web bridge for C-II. Resp.: PIU-II & M&E Consultants.
3	Contractual Dependencies (C-II)	Multi-layered WB clearances for procurement of AWS and Radars	Substantial	PIU - II minutes /notes of coordination meetings	• Maintain Procurement Risk Register linked to PMIS. • Flag lead-time variance > 30 days for WB action. Resp.: PIU-II & M&E Consultants.

* Risk Rating Scale: Low / Moderate / Substantial / High as per World Bank Operational Guidelines.

8.2 M&E Recommendations for Q2 (Oct–Dec 2025)

Focus Area	Strategic Action	Expected Outcome
Institutionalize Risk Register in PMIS	Embed dynamic risk dashboard with auto alerts for high risks.	Real-time visibility for FPMU and WB.
Strengthen Data Ownership	Appoint/assign Data Custodians in PIU-II.	Clear accountability for indicator accuracy.
Integrate Safeguard and OHS Metrics	Convert ESS 2 & 3 checklists into mandatory PMIS fields.	Preventive compliance culture.
Quarterly Risk Audits	Conduct joint FPMU–M&E reviews every quarter.	Continuous learning and adaptive management.

The M&E Consultant's monitoring approach reframes the risk register from a *static checklist* into a *learning instrument* linking each risk to process indicators, accountability, and mitigation evidence within the PMIS.

Implementation of the digital risk dashboard in Q2 (Oct–Dec 2025) will institutionalize early-warning capability across all components, enabling FPMU and the World Bank to transition from reactive to predictive risk management.

9. PLAN FOR NEXT QUARTER (OCTOBER – DECEMBER 2025)

The following plan defines M&E priorities and deliverables for the next reporting cycle. It aims to transition from “readiness and verification monitoring” to “process and performance monitoring,” embedding live data flows, GRM analytics, and cross-component learning.

PMIS Milestones and Data Improvement Actions

Milestone	Key Task	Output / Indicator	Target Date	Responsible Entity
MIS Prototypes for C-II	Design minimal data-entry interface (Excel-to-web).	Functional data bridge for D&S and PIUs.	Dec 2025	PIU-II & M&E Consultants
Risk Dashboard Rollout	Embed live risk register within PMIS.	Auto-generated risk alerts.	Dec 2025	FPMU & M&E Consultants

ANNEX I: LIST OF AWS SITES

LIST OF AWS - BALOCHISTAN (45 Nos)						
Sr	District	Tehsil	Location	Latitude	Longitude	Type
1	Loralai	Loralai	Levies Thana Dosarki Shabozai Loralai	30.4043	68.8234	Type-I
2	Barkhan		Pilot Balloon Observatory	29.8970	69.5219	
3	Dera Bugti	Dera Bugti	Livestock Office Dera Bugti	29.0400	69.1600	
4	Washuk	Naag	Nag naib tehsildar office distt washuk	27.4127	65.1287	
5	Awaran	Mashkay	tehsil Office Mashkay Awaran	27.0912	65.5541	
6	Sibi	Sibi	MO Sibi	29.5376	67.8729	
7	Killa Saifullah	Shinki	Shinkai irrigation rest house distt killa saif ullah	30.7544	68.9153	
8	Musakhel	Kingri	DC Guest House Kingri	30.4348	69.8212	
9	Ziarat	Sinjavi	District Headquarter Hospital sinjavi	30.2662	68.3196	
10	Harnai	Shahrig	Rural Health center, Shahrig	30.1892	67.7093	
11	Gwadar	Ormara	Irrigation Office Ormara	25.2197	64.6219	
12	Gwadar	Pasni	Coconut Farm Pasni	25.3991	63.4494	
13	Sherani	Sherani	Levies Thana Manikhwa District Shirani	31.4026	69.8082	
14	Mastung	Mach	DHQ Mach	29.8675	67.3215	
15	Khuzdar		Levies Thana Moola Khuzdar	28.0515	67.1196	
16	Mastung	Kardigap	Tehsil Complex Assistant Comm Office Kardigap	29.7285	66.4640	
17	Surab	Surab	XEN irrigation division surab	28.4937	66.2627	
18	Khuzdar	Baghbana	Emergency Response Centre, Baghbana Khuzdar	27.9733	66.5210	
19	Musakhel		Union Council Office Zam Muhammad Zai	31.1851	69.9286	
20	Zhob	Zhob	Irrigation Rest House Sabakzai Dam sawara road Zhob	30.9514	69.3528	
21	Quetta	Sadar	Quetta Airport, Quetta	30.2499	66.9469	Type-II
22	Gwadar	Gawadar	Aeromet Observatory	25.2299	62.3320	Type-III
23	Kalat	Kalat	Pilot Balloon Observatory	29.0343	66.5834	
24	Ziarat	Ziarat	FAWS/FFD PMD Site	30.3939	67.7169	Type-IV
25	Barkhan	Rakhni	Agriculture eXT Office Rakhni Barkhan	30.0470	69.9266	
26	Naseerabad	Dera Murad Jamali	Basic health Unit, Nautal Dera Murad Jamali	28.7501	68.0785	
27	Jhal Magsi	Jhal Magsi	Irrigation Colony Jhal Magsi	28.2834	67.4702	
28	Jaffarabad	Jhatpat	Irrigation Office and Colony	28.3790	68.3483	
29	Naseerabad	Chattar	Irrigation Office Patt Feeder canal Mir Hassan Chattar	28.6445	68.4074	
30	Zhob	Zhob	Pilot Balloon Observatory	31.3387	69.4516	
31	Musakhel	Musakhel	Agriculture Office Musakhel	30.8579	69.8208	
32	Killa Saifullah	Badini	Agriculture Farm Nasai Muslim Bagh	30.8166	68.0706	
33	Lasbella	Lasbela	Irrigation Office Kandrach	26.3686	66.3153	
34	Lasbella	Dureji	Omeedabad Municipality Office Omeedabad	26.0833	67.2557	Type-V
35	Quetta	Quetta	RAMC Sariab Quetta	30.1129	66.9797	
36	Khuzdar	Wadh	Municipal Office Civil Lines Wadh	27.3476	66.3725	Type-VI
37	Sibi	Lehri	Irrigation Office Lehri Sibbi	29.1781	68.2094	
38	Kachi	Balanari	Nari Headworks Haji Shaher Nari River, Balnari	29.2639	67.8180	
39	Kachi	Sani	AC office sani	29.1524	67.5603	
40	Ziarat	Ziarat	Levies Thana Ziarat Choteer	30.3106	68.1256	
41	Loralai		Levies Thana Mekhter District Loralai	30.4729	69.3644	
42	Panjgur	Panjgur	Pilot Balloon Observatory	26.9693	64.1023	
43	Dera Bugti	Phelwagh	DCO - Office Baiker	29.5441	69.5446	
44	Musakhel	Musakhel	Levies Thana Toisar District Musakhel	31.0067	69.8774	
45	Jhal Magsi	Mirpur	Tehsil Office Mirpur	28.5277	67.7337	

LIST OF AWS - SINDH (15 Nos)						
Sr	District	Tehsil	Location	Latitude	Longitude	Type
1	Dadu	KN Shah	Pumping Station KN Shah	27.0675	67.7217	Type-I
2	Kashmore	Kashmore	Guddu Thermal	28.4264	69.7031	
3	Khairpur	Pir Gudu	Pumping Station, Taluka Kot Dejee	27.3578	68.6517	
4	Shikarpur	Gari Yaseen	DDA Office GhariYaseen	27.9153	68.5111	
5	Matiali	Hala	Irrigation Office HALA Sub Division	25.4856	68.4189	
6	Sanghar	Tando Adam	SDO Irrigation office Tando Adam, Sanghar bypasses Near Baba Floor Mill	25.7669	68.6731	
7	Tharparkar	Nagarparkar	Agriculture office/ AC office, Nagarparkar	24.3579	70.7551	
8	Mirpurkhas	Sindhri	Agriculture office/ AC office Sindhri	25.5316	68.9980	
9	Jamshoro	Sehwan	Sehwan Airport	26.4739	67.7172	
10	Karachi	Karachi	Airport Site	24.8977	67.1686	Type-II
11	Ghotki	Ghotki	Sindh Cotton Research Sarhad	28.0440	69.4250	Type-IV
12	Neushero Feroz	Padidan	Met Observatory	26.7700	68.2900	Type-V
13	Dadu	Johi	FRB Sub Division Office	26.6953	67.6164	Type-VI
14	Sajwal	Sajwal	Agriculture office/ AC office Sajawal	24.6030	68.0740	
15	Kambar Shahdadkot	Shahdadkot	XEN Office	27.8489	67.9189	

LIST OF AWS - Punjab (25 Nos)						
Sr	District	Tehsil	Location	Latitude	Longitude	Type
1	Jhang		Govt Boys High School	30.6860	71.7659	Type-I
2	Attock		Met Obsy Attock	33.7808	72.3576	Type-II
3	Rawalpindi		Govt Sarwar Shakeel College Gujar Khan.	33.2704	73.2928	
4	Mainwali		Office of Asst Director Agriculture Tehsil kucheary Mainwali	32.5951	71.5574	
5	Wazirabad		Govt. Molana Zafar Ali Khan Degree College Wazirabad.	32.4438	74.1200	
6	Sialkot		Met Office Sialkot A/P	32.5299	74.3673	
7	Gujrat		Govt, Associate College for boy Kharian	32.6408	74.1667	
8	Faisalabad		Agri Extension & irrigation Sherwana	31.4328	73.0701	
9	Sahiwal		Office of Asst Director Agriculture Arif Wala.	30.2946	73.0663	
10	Lahore		DD Agriculture Nankana Sahib	31.4485	73.7135	
11	Kasur		Met Obsy Sheikhupura	31.1276	74.4550	
12	Okara		Govt. Islamia Model High School Okara-Govt. Associate college for boys depalpur	30.8170	73.4538	
13	Multan		Multan AP	30.2005	71.4362	
14	Islamabad		PMD Head Office	33.6835	73.0635	
15	Gujranwala		Met Obsy Narowal	32.1000	74.9000	
16	Murree		Kohsar University Muree	33.9158	73.4062	Type-III
17	Chakwal		Office of Asst Director Agriculture (ext.) Talagang	32.9445	72.4108	Type-IV
18	Bhakkar		Office of Asst Director Agriculture (ext.) Goharwala Road Mankera	31.2300	71.2600	
19	T.T. Singh		Seed Form Agriculture.	31.1500	72.2000	
20	Vehari		University of Agriculture Faisalabad Sub Campus Burewala	30.2267	72.7179	
21	Jampur		ADA (ext.) Jampur Near Post Office Jampur	29.3800	70.3500	
22	Layyah		Office of Asst Director Agriculture (east) Near DPO Office/Govt. College Layyah.	30.9851	70.9663	
23	Chakwal		Office of AD Agriculture	32.3532	73.0318	
24	Hafizabad		MO Hafizabad.	32.0667	73.7167	Type-V
25	Taunsa Sharif		ADA (ext.) Taunsa Office Near Tameer Now Chowk Tub Road Taunsa	30.7073	70.6667	Type-VI

LIST OF AWS - KPK (25 Nos)						
Sr	District	Tehsil	Location	Latitude	Longitude	Type
1	Charsadda		University	34.1360	71.8410	Type-I
2	Karak		KKK Univ	33.1249	71.1167	
3	Kohat		University	33.5242	71.4435	
4	Peshawar		RMC	34.0149	71.5660	Type-II
5	Saidu		MO Saidu	34.8102	72.3515	
6	DIK		MO Dera Ismail Khan	31.9102	70.8878	
7	Swat		Gabin-Jabba	35.1618	72.3733	Type-III
8	Dir Upper		Sheringal University	35.2702	72.0044	
9	Shangla		ShanglaTop	34.8808	72.5916	
10	Chitral		Lowari Top	35.3792	71.7842	
11	Chirai Up		Shandur	36.0856	72.5432	
12	Nathiagali		Govt. Degree College for Boys	34.0679	73.3909	
13	Kalam		MO Kalam	35.4798	72.5762	
14	Malamjabba		MO Malamjabba	34.8022	72.5694	
15	Naran		MO Naran	34.8986	73.6472	
16	Nwaziristan		Cadet College Razmak/Shawal Rifels	32.6930	69.8340	
17	Ayubia		PTDC Motel	34.0276	73.4011	
18	Swaziristan		Wana (FC Camp)	32.3190	69.5220	
19	Battagram		Alai	34.8273	73.0628	
20	Mansehra		Shinkyari Tea RF	34.4619	73.2689	
21	Hangu		Samana/Tourism Deptt	33.5553	70.9143	
22	Kurru		Maiki (Chapri Rest House)	33.9677	70.1095	
23	Peshawar		Uni of Agriculture	34.0197	71.4729	Type-IV
24	Mardan		FFWS	34.2916	71.8778	
25	Swabi		University of Swabi	34.0564	72.3945	

ANNEX II: MINUTES OF MEETINGS

Minutes of 1st Meeting of M&E Consultants with PIU-II

Subject: M&E Consultants Inception Meeting with Component-II

Date: 2nd June 2025

Venue: C-II Saidpur Office Islamabad

Participants:

- Project Management Coordinator, PIU – Component-II (MHSP)
- M&E Specialist – FPMU
- Hydromet Specialist-FPMU
- M&E Officer – FPMU
- HR Representative – Component-II (MHSP)
- Admin and Finance Representative – Component-II (MHSP)
- Safeguard Specialist – Component-II (MHSP)
- Electronic Engineer – Component-II (MHSP)Hydromet Specialist – FPMU
- Program Assistant – FPMU
- CEO M&E Consultants
- Team Lead – M&E Consultants
- MIS/ICT Expert – M&E Consultants
- Sr M&E Officer – M&E Consultants

Purpose:

The purpose of the meeting was to convene an inception between the Component-II/MHSP team and the M&E consultancy firm. This meeting aimed to formally initiate the engagement, align both teams on the project objectives, clarify roles and responsibilities, and establish a shared understanding of the scope of work, timelines, and expected deliverables. It also provided an opportunity to discuss key methodologies, coordination mechanisms, and reporting protocols to ensure smooth implementation of M&E activities.

Proceedings:

In the inception meeting, the MHSP team shared project updates on radar systems, weather stations, and procurement progress. Key systems are in the final stages, with designs under expert and field validation. The M&E firm will support the development of a technical monitoring framework and customized messaging. Staffing gaps and inconsistent support staff pay were noted, with emphasis on full-time deployment of M&E and GIS personnel. Collaboration with the Institute of Geophysics and other departments was deemed essential. The firm proposed integrated alerts and multi-channel outreach, including SMS and FM radio. Capacity-building plans and lessons from past models like the 2018 Islamabad project will guide implementation.

The following actions and decisions were agreed upon during the meeting:

Sr #	Actions / Decisions	Responsibility	Timeline
1	An M&E Framework for Component 2 is to be developed, incorporating elements from both the Results Framework and the Logical Framework (Log frame), as suggested by the M&E firm. The framework will emphasize clear data flow mechanisms, defined data collection frequency, and robust tracking of outcome and impact-level indicators to ensure comprehensive monitoring and meaningful measurement of project performance. Initial draft to be shared with proposed indicator definitions, reporting frequency, and monitoring tools for the infrastructure results framework. Firm will share draft M&E Framework.	M&E Consultants	In second week of June
2	The Component II team will share all relevant project documents with the M&E firm. The firm will review the materials and conduct a follow-up meeting with the Component-II team later this week to discuss key observations, clarify requirements, and combine the next steps.	PIU Component-II	2 nd June 2025
3	PIU to provide grievance channels and expected types of grievances with firm for recording and further managing GRM.	PIU Component-II	As soon as possible
4	Component-II team to organize a detailed visit for M&E Firm team at PMD office to further develop their understanding regarding this component. This visit will lay a foundation for PMIS for component-II as team need to understand the flow of data, its utilization and further depiction.	PIU Component-II	In second week of June

The session concluded with a shared understanding of roles, deliverables, and next steps. The M&E firm committed to close coordination with Component-II and alignment with broader programmatic goals.



2 MINUTES OF 2ND MEETING OF M&E CONSULTANTS (IFRAP) WITH PIU-II

Subject: M&E Consultants, IFRAP: Follow up Meeting 2 with PMD (Component-II)

Date: 27 June, 2025

Venue: PIU-II Saidpur office

Participants:

- Dr Sajjad Haider, Coordinator/Dy Director PIU-PMD
- Mr. Basharat Khan, Social, Environmental /M&E Specialist
- Mr. Tariq Bangash, Procurement Specialist, C-II
- Dr Shabbir Hussain, Sr M&E Officer M&E, Consultants IFRAP

Agenda:

- Follow up on the actions and the way forward of the last Inception meeting held on 02 June 2025 in the PMD Saidpur office, Islamabad
- Update on the progress of all activities under component II
- Feedback on Data collection tools and M&E Framework
- Progress on Activities against Indicators
- Any other matter/issue

Proceedings:

Summary of discussions and follow up

#	Summary of Discussions /Findings	Follow up
1	• Targets of all activities under Component- II will be shared by PMD. Feedback on M&E Framework and data collection tools (received yesterday) will be shared by PMD.	➤ 5-07-2025
2	• Progress Updates i) Technical Specification of radars prepared and reviewed/ vetted by the international Panel of Experts. Site Identification for 03 (Quetta, DI Khan and Cherat) radars Completed. ii) Negotiations with concerned authorities for site suitability of remaining 02 (Gwadar and Lahore) Radars is in progress. iii) Shortlisting of EOIs for Radar supervision consultancy completed. RFP submitted to WB for their approval. iv) Procurement process for hiring civil works consultants has been completed and AWS is in final stages. v) Market Outreach Sessions (System integrator, AWS, Radars and HPC) were successfully organized engaging national and international prospective bidders.	➤ Site selection of 2 remaining radars ➤ List of prioritized 45 AWS ➤ Radar Supervision Consultancy ➤ Hiring Civil Works Consultants

Ongoing and Planned Activities /output against Indicators			
Indicator	Activities under each Indicator	Achievement/Progress	Follow up
1 Number of People with enhanced protection to flood risk	Expansion and upgradation of flood forecasting system in Pakistan Creation of National Framework for Climate services (NFCS) for decision Support System Awareness workshops, material, documentaries and social media apps. Impact Based forecast through ICT. Upgradation/ Development/ Execution of Business Model, FM weather radio studios of PMD, web apps. Communication.	Institutional Development plan has been developed. TOT for Pre-baseline survey conducted at PMD headquarters. Field level training for PMD observatories has been completed Pre-baseline survey of PMD observatories, Agro-met and flood early warning is in process.	- Institutional Development Plan - Details of Pre-Baseline survey - ToT Report Updates observatories, agro-met, and EWS - Report of Field level trainings
2 Number of Days Increase in weather forecast lead time of PMD.	Institutional Strengthening and capacity building of PMD. Upgradation of weather forecasting systems in Pakistan. Expansion and upgradation of flood forecasting. Expansion of agro-met forecasting in Pakistan. Upgradation of PMD Service Delivery System.	Hiring of International Panel of Experts Completed. Technical Specification prepared and reviewed by international Panel of Experts. Site selection for 03 radars Completed. Site selection of 02 Radars is in process. ToRs for procurement of SI firm and PMIC of radars are completed. PPSD has been prepared and shared with WB for their approval. Shortlisting of EOIs for Radar supervision consultancy completed. RFP submitted to WB for their approval. Procurement process for hiring civil works consultants is completed. Procurement process of AWS is in final stages; combined evaluation report recommending the most advantageous bidder is submitted to WB for their approval. Bidding documents of Radars have been shared with the WB for review; comments received from WB and approval of Bidding Documents linked with approval of PSD. Inception report of Civil work consultant submitted.	Site selection of 2 remaining Radars Procurement of AWS and Radars Inception Report of Civil Work Consultant

Issues:

- (i) Escalation of the prices of international procurements due to current global/tariffs situation
- (ii) Delays in execution may occur due to security clearance of international contractors

Meeting concluded with vote of thanks.

- **Minutes Prepared By:** Dr Shabbir Hussain, M&E Consultants, IFRAP
- **Minutes Reviewed By:** Basharat Khan Social Safeguard/ M&E Specialist, PMD



3 Minutes of 3rd Meeting of M&E Consultants held with PIU-II

Subject: : Clarifications about AWS and Progress updates of Component-II)

Date: 22nd July, 2025

Venue: PIU- II office Saidpur

Participants:

- Mr. Basharat Khan, Social Safeguard Specialist, M&E Specialist
- Dr. Sajjad Haider, Project Coordinator (Technical)
- Mr. Muhammad Kaleem, Electronics Engineer
- Dr. Shahzada Adnan, Senior Meteorological Associate
- Dr. Bilal Haider, Senior Consultant Hydrology
- Dr. Muhammad Yasir, Research Associate Hydrology & M&E Officer
- Mr. Muhammad Faizan Afzal, Assistant Project Manager- Admin
- Dr Shabbir Hussain, Sr M&E Officer M&E, Consultants IFRAP

Agenda:

- Follow up on the progress and actions of the last meeting held on 27th June 2025
- Necessary briefing and Progress updates of activities under Component 2
- Current Status of 300 AWS and 5 Radars stipulated in PC-1 of May 2023
- Any other matter/issue

Proceedings:

Summary of discussions and follow up

#	Summary of Discussions /Findings	Follow up
1	• After a round of brief introduction of the participants, Dr Shabbir Hussain explained the purpose of the meeting with major agenda points	.
2	• Targets of 300 AWS given in PC1 were reduced to 110 mainly due to cost escalation and applicable taxes for the import of equipment. PMD assumed tax exemption at the time of preparation of PC-1. Besides, PKR to the dollar rate increased substantially over past two years. FBR requires approval of exemption from competent authority without which the import taxes (around 40-45 % of the cost) are required to be paid. Accordingly, based on cost rationalization, the number of AWS were reduced from 300 to 110 in consultation with and approval of IFRAP.	Minutes or any relevant notification
3	• The preparatory activities like hiring civil works consultants and site identification for these 110 AWS have been finalized. Province-wise breakup of the AWS is given below: Baluchistan: 45 Punjab 25 KP 25 Sindh 15 Procurement process is moving forward smoothly.	➤ Map and list of 110 AWS sites (province - wise) to be collected
	• Questionnaire will be reviewed from MHSP team (M&E) before finalization	➤ MHSP
	• As and when required physical assessment of PMD stations, the M&E Consultant IFRAP will inform PIU timely so that respective PMD offices may be informed accordingly to ensure presence of relevant staff for necessary facilitation	➤ M&E Consultants
4	• National Hydro met policy and metrological services Act; Establishment	➤ Notification of 10 th

#	Summary of Discussions /Findings	Follow up								
	of a Task team for institutional strengthening has been developed in July 2025 to undertake public -private engagement strategy; PMD Data Policy; Business Model and Sustainability Plan; National Framework for Climate Services (NFCS); Hydro met Act	July for setting up Task team to be collected								
5	Monthly progress review meetings and weekly SMT /GSM meetings are held and are held at PMD planning section and at PIU respectively. The M&E Consultant requested for participation in the meeting or at least minutes of these meetings be shared with M&E Consultants	➤ Follow up for necessary approval to receive Minutes of the meetings								
6	- Three Radars are operational in Karachi, Islamabad and Mardan. The range of o radius of Islamabad radar is 459 Km. AWS covers 15-30 km radius. Radar provides data every 10 minutes while AWS provides instant real time data. Radar types differ with frequency. In addition, one satellite FY2G Clud Band is operation with the assistance and support of China. - Three Radars are redundant at the locations of Sialkot, Mangla and Rahim Yar Khan, - Sites for installation for four Radars under IFRAP project have been finalized with as under:<table><tr><td>S-Band Radar to be installed in Lahore</td><td>1</td></tr><tr><td>S- band Radar to be installed in Gwadar</td><td>1</td></tr><tr><td>C- Band Radar to be installed in Quetta</td><td>1</td></tr><tr><td>C-Band radar to be installed in D I khan</td><td>1</td></tr></table>X Band is used for weather and marine, S- Band for rain and air defense and C band is for both purposes. ➤ For live data website: FAWS.gov.pk	S-Band Radar to be installed in Lahore	1	S- band Radar to be installed in Gwadar	1	C- Band Radar to be installed in Quetta	1	C-Band radar to be installed in D I khan	1	➤ Workplan for procurement and installation of Radar ➤ M&E Consultant team Quetta can coordinate with Regional Director Mr Mukhtar Magsi: mobile: 03352149971
S-Band Radar to be installed in Lahore	1									
S- band Radar to be installed in Gwadar	1									
C- Band Radar to be installed in Quetta	1									
C-Band radar to be installed in D I khan	1									
	PMD has five regional offices established in Gilgit, Lahore, Peshawar, Quetta and Karachi	M&E Consultant can coordinate with regional offices								

PMD-PIU official assured to extend full cooperation and support to M&E Consultants as and when required. Meeting concluded with vote of thanks.

Minutes Prepared By: Dr Shabbir Hussain, M&E Consultants, IFRAP

Minutes vetted / Reviewed By: Dr. Sajjad Haider, Project Coordinator (Technical) PIU-II



4 Minutes of 4th Meeting of M&E Consultants with PIU-II

Subject: Review of Data collection tools /Questionnaires designed for Baseline Survey

Date: 28 July,2025

Venue: PMD Head Office H-8 Islamabad

Participants:

Dr. Sajjad Haider, Project Coordinator (Technical)

Dr. Shahzada Adnan, Senior Meteorological Associate

Dr Shabbir Hussain, Sr M&E Officer M&E, Consultants IFRAP

Agenda:

Review of Baseline Data collection tools for Component -II

Proceedings:

An urgent meeting was organized with PMD - PIU on the request of M&E Consultants. The purpose of the meeting was to have a final review of data collection tools/questionnaires on Component-2 already shared with PIU-II.

Dr Shabbir Hussain informed the participants of the meeting that M&E Consultants have scheduled a 4-day Training for data collections teams on 30th July to 2nd August, 2025 at M&E Consultants office Quetta. Field data collection teams will be imparted comprehensive training on data collection tools for Baseline/Endline Surveys. The tools have been digitized with android application.

PIU-II 's senior technical officers discussed in detail and reviewed all the sections and related questions. The review team on mutual consultations, identified missing gaps and necessary edits required in the data collection tools for component-2

Accordingly, a revised version of the tools was prepared and finalized which included additional two new sections on Capacity Building and Institutional development, besides adding four additional questions / edits in the last version. Draft final version was prepared by M&E Consultants and shared with PMD team. The track changes were further reviewed and finalized by Dr. Shahzada Adnan, Senior Meteorological Associate

It was a very productive meeting concluded with vote of thanks to the participants



5 Minutes of 5th Meeting of M&E Consultants with PIU-II

Date: 08 August,2025

Venue: PIU-II office, Saidpur Islamabad

Participants:

- Mr. Basharat Khan, Social Safeguard Specialist, M&E Specialist
- Dr. Sajjad Haider, Project Coordinator (Technical)
- Mr. Muhammad Faizan Afzal, Assistant Project Manager- Admin
- Dr Shabbir Hussain, Sr M&E Officer M&E, Consultants IFRAP

Agenda:

Review of Grievance Redressal Mechanism (GRM) and Implementation Plan prepared by M&E Consultants

Proceedings:

An meeting was organized with PIU-PMD on the request of M&E Consultants. The purpose of the meeting was to review Grievance Redressal Mechanism (GRM) and Implementation Plan prepared by M&E Consultants. The document was already shared by M&E Specialist IFRAP.

Summary of discussion and follow up actions of the meeting are summarized below:

#	Summary of Discussions	Decisions and Follow up actions with responsibility
	Dr Shabbir Hussain held a brief introductory meeting with Mr Ijaz Kashif Dy. Project Director in his office. It was informed that PIU-PMD has already prepared GRM which has been approved and notified. Pre-Baseline survey reports are finalized , In order to review GRM prepared by M&E Consultants, IFRAP, a detailed meeting continued in the conference room.	Pre-Baseline Reports to be provided to M&E Consultants
1	- GRM document prepared by PIU-PMD was displayed on multimedia and gone through various sections and GRM implementation mechanism - GRM prepared by M&E Consultants which was already forwarded yesterday by M&E Specialist , IFRAP was displayed on multimedia and reviewed thoroughly - Due to visit of Climate Secretary at H/Q PMD, Dr Shahzada Adnan could not attend this meeting. However, he forwarded his detailed comments highlighting gaps which are annexed	Comments of Dr Shahzada Adnan be considered by M&E Consultants
	Under the Key messaging of GRM prepared by M&E Consultants (3,4,2), the awareness content needs to be modified taking into consideration that Forecasting systems will be operational after procurement and installation of component -2 equipment and . commissioning of MET/integration,	M&E Consultants
2	- GRM prepared by PIU-PMD is a three-tier hierarchical system with the following salient features: (i) Grievance Redressal Cell (GR Cell) at Sites: Responsibilities ➤ Review, consider and resolve grievances site level; ➤ Conduct fact-finding pertaining to grievances; ➤ Resolve grievances within a period of one week; ➤ Undertake analysis of data on grievances and use this to make informed decisions; ➤ Maintain confidentiality if complainants wish to remain confidential; ➤ Maintain an updated GRM Complaints Log/ database/MIS.	GRM of PIU-II to be provided to M&E Consultants

#	Summary of Discussions	Decisions and Follow up actions with responsibility
	(ii) GRC at PIU-MHSP Level ➤ The responsibilities of the Grievance Redress Committee(GRC) at PIU are: ➤ The Social Safeguard Specialist shall be the focal person for GRC, which is responsible for logging the complaint and date of receipt onto the complaint database and informing the CSC and the Contractors; ➤ The GRC will coordinate with local government to receive project-related complaints made directly to them; ➤ The GRC shall review, consider and resolve grievances related to environmental, social, gender and other issues during implementation received at the PIU level; ➤ The GRC, with the CSC, is responsible for investigating the complaint to determine its validity and assess whether the source of the problem is due to project activities and identifying appropriate corrective measures. If corrective measures are necessary, GRC, through the CSC, will instruct the Contractors to take necessary action; ➤ Resolve grievances presented to the GRC within a period of two weeks; ➤ Inform the Complainant of the investigation results and the action taken; ➤ Undertake analysis of data on grievances and use this to make informed decisions; ➤ GRC decisions, if not acceptable to the complainant(s), can be appealed to the PSC; ➤ Maintain an updated online GRM database/Complaints Log. (iii) GRC at Federal Project Management Unit (FPMU) Level ➤ The FPMU-GRC will meet on a quarterly basis to review the grievances during subproject implementation phase, and will be convened for special grievance redressal meetings as needed. FPMU-GRC members and the Secretary will address the grievance with a viable resolution in coordination with Deputy Project Director MHSP. Grievance must be lodged with the GRC first for onward submission and reporting to the FPMU-GRC level	

It was a very productive meeting concluded with vote of thanks to the participants

Draft Minutes Prepared / shared by Dr Shabbir Hussain, M&E Consultants (IFRAP) were approved by PIU-II



6 Minutes of 6th Meeting of M&E Consultants with PIU-II

Date: 22 August, 2025

Venue: PIU-II office, Saidpur Islamabad

Participants:

- Ijaz Kashif, Dy. Project Director PIU-II
- Basharat Khan, SSS/ M&E Specialist
- Dr. Sajjad Haider, PC (Tech)
- Dr Shahzada Adnan, Senior Met Associate
- Dr. Bilal Ahmed. Cons. Hydrology
- Muhammad Faizan Afzal.APM
- Major Muhammad Kaleem , Electronic Engineer
- Mr Rizwan Saleem, M&E Consultant (IFRAP)
- Dr Shabbir Hussain, M&E, Consultants IFRAP

Agenda:

Preparation to commence Baseline Survey for Component -II

Proceedings:

On the request of M&E Specialist, IFRAP, a meeting of M&E Consultants (IFRAP) was held with PIU-PMD on 22nd August, 2025 at PIU office Saidpur , Islamabad under the chair of Dy Project Director, PIU-PMD

Summary of discussions and follow up actions of the meeting are summarized below:

I Scope of M&E Consultant for Component-II

The scope of activities of M&E Consultant by and large is limited to Baluchistan for components 1,3, and 5. Component-II implemented by PIU- II has its nationwide coverage. Every province and area have unique characteristic regarding climatic dynamics. Baseline of component II conducted just in Baluchistan will not truly represent the ground realities of whole the country. It would be advisable to include baseline as well as monitoring of hydromet/AWS, Radar in other parts of the country. Since, M&E Consultants have their presence in Lahore and Islamabad besides core office in Quetta and Karachi, therefore, M&E Consultants may possibly cover the surrounding AWS/Radar sites accessible from Lahore, Karachi and Islamabad besides Baluchistan. Capacity Building /Upgradation of IMG Meteorological Workshop, Karachi also does not come under the scope of M&E Consultants. If feasible, any or as many trainings at IMG may also be covered. PMD informed further that 15 AWS will be installed as well as meteorological observatories will be upgraded there. Similarly, Climate data processing center (CDPC) will be upgraded and data repository center will be established. So, Karachi survey is important.

Follow up Action : *Based on its presence in Lahore and Islamabad, M&E Consultant will conduct baseline survey, quarterly progress and spot check of selected accessible sites observatories/hydromet/AWS and Radar (possibly including Karachi) in consultation with and support of PIU-PMD.*

II Process Monitoring

As one of its deliverables, M&E Consultant will undertake Process monitoring which requires reporting to IFRAP on quarterly basis. On spot check will be conducted for tracking progress, assessment against plan/timeline, and analysis of ongoing activities/operations at AWS/Radars sites using performance indicators and to identify issues/problems suggesting corrective actions to optimize the process. Therefore workplan with milestones is required for M&E Consultants. PIU informed that timeline with milestones can be extracted from the bidding documents.

Follow up Action : *PIU-PMD will provide a copy of bidding document to M&E Consultants to extract relevant information like time line/milestones of the installation and operations of AWS/Radars .*

III Grievance Redressal Mechanism

It was clarified that already approved GRM by PIU-PMD remains a valid document and GRM of the M&E Consultant does not interfere rather it will support overall GRM by deployment of GRM Associate who will work closely in coordination with PMD's focal person for GRM. PIU will provide WhatsApp number accessible to M&E Consultant who will also provide SoPs frame work for efficient and effective implementation of GRM

Follow up Action : *PIU- II will provide toll free number/Whatsapp ensuring access to M&E Consultant and install complaint box with necessary GRM instructions*

IV Improved Accuracy of Weather Forecast

AWS are fundamentally important to weather forecasting as they provide the real-time, accurate, and continuous data (like wind, temperature, humidity, and air pressure) that forms the basis of all predictions. Rationalizing cost with available funds, the number of AWS has been reduced from 300 (given in PC-1) to 110 (also reflected in the revised PAD) . Consequently, it will impact on the level of accuracy. JICA has conducted need assessment of PMD This document will be helpful for M&E Consultant to understand and monitor necessary steps/actions and activities towards increasing forecast duration which is an important indicator under Hydromet services

Follow up Action : *PIU-II will provide JICA study to M&E Consultants to help facilitate monitoring of the measures leading to increase forecast from 3 to 5 days*

V Visits to AWS/Radars

AWS collect real-time, ground-level data on parameters like temperature, humidity, wind, and precipitation using sensors. Weather radars, on the other hand, use radio waves to detect and track atmospheric phenomena like rain, hail, and snow, providing information on their location, intensity, and movement. Both are vital for weather forecasting, research, and environmental monitoring. In order to understand the process, visits of M&E Consultants to AWS/Radars will be helpful. It was decided to conduct Sites Visits one in Lahore and the other in Islamabad

Follow up Action : *PIU-II will facilitate site visits during next week (Tuesday in Lahore and Wednesday in Islamabad)*

VI Respondents for Baseline Survey

The respondents of Baseline Survey for component-II will be selected from four sectors of beneficiaries : (i)Public Sector (NDMA, PDMA, DDMA, Aviation, irrigation, Agriculture Department, etc); (ii)UN Agencies (WMO, International Maritime Organization ,OCHA) ; (iii) NGOs/INGOs (NGOs make weather and climate information accessible, translating complex data into user-friendly

formats and supporting decision-making for disaster preparedness, adaptation, and climate resilience.) and (iv) Media for general public

Follow up Action : M&E Consultants will calculate representative sample of beneficiaries in consultation with PIU-II in the next week.

VII Finalization of Sites and Tools for Data Collection for Component II

PIU-PMD informed that final list of sites for 110 AWS is in the process for approval by DG, PMD. Incorporating comments of PMD, the M&E Consultants have revised data collection tools. It was agreed to share/walk through and finalize these tools with PMD next week

Follow up Action : *A meeting will be scheduled next week to review and finalize data collection tools along with selected/sampled sites and commencement of Baseline Survey.*

The Meeting concluded with vote of thanks to the Chair and the participants

Minutes prepared /finalized by Dr Shabbir Hussain ,after having been reviewed by PIU-II



7 Minutes of 7th Meeting of M&E Consultants (IFRAP) with PIU-II

Date: 17th Septemebr,2025

Venue: PMD, HQ H-8 Islamabad

Participants:

- Dr Shahzada Adnan, Senior Met Associate
- Basharat Khan, SSS/ M&E Specialist
- Muhammad Faizan Afzal APM
- Mr. Rizwan Saleem, M&E Consultant (IFRAP)
- Dr Shabbir Hussain, M&E, Consultants IFRAP

Agenda:

Baseline Survey for IFRAP Component -2

Proceedings: On the request of M&E Consultants (IFRAP), a meeting was held with PIU-PMD on 17th September 2025 at the Head office PMD, Islamabad. Summary of discussions and follow up actions of the meeting are summarized below:

I Design of Baseline Survey for Component -II in the light of Indicators per revised PAD

Mr Rizwan Saleem presented indicators (revised version for component-2 as specified in the revision of PAD). It was clarified that the scope of activities of M&E Consultant by and large is limited to Baluchistan whereas Component -2 has its nationwide coverage. After necessary briefing by PMD officials and keeping in view the unique/technical nature of activities under component-2, it was agreed that baseline and the monitoring will essentially focus to achieve results based on the defined indicators as per ToRs of the M&E Consultants (IFRAP). In the light of clarifications and mutual understanding attained during this meeting, M&E Consultants will prepare and submit a document including a matrix of paraments relevant to indicators to determine baseline and assess progress.

Follow up Action: *In the light of discussions of this meeting, M&E Consultants will prepare a brief document on relevant indicators and revised tools with monitoring mechanism with a matrix of checklist which will be reviewed by PIU-PMD and forwarded to FPIU. Relevant checklist (being a live document) will provide qualitative and quantitative analysis to be included in quarterly progress report of M&E Consultants.*

II Process Monitoring

As one of its deliverables, M&E Consultant will undertake Process monitoring which requires reporting to IFRAP on quarterly basis. In order to assess progress related to output and outcome, workplan with milestones is required for M&E Consultants. PIU informed that timeline with milestones can be extracted from the bidding documents.

Follow up Action : *Through the Deputy Project Director, M&E Consultants will follow up with Procurement section for obtaining a copy of bidding document enabling them to extract relevant information like time line/milestones of the project activities.*

III Visits to AWS/Radars

Field teams deployed by M&E Consultants have already started baseline survey in all the project districts of Baluchistan. Providing the background information, PMD officials informed that AWS

collect real-time, ground-level data on parameters like temperature, humidity, wind, and precipitation using sensors. Weather radars, on the other hand, use radio waves to detect and track atmospheric phenomena like rain, hail, and snow, providing information on their location, intensity, and movement. Both are vital for weather forecasting, research, and environmental monitoring. In order to understand the process, field visits of M&E Consultants to AWS/Radars will be helpful.

Follow up Action : *PIU-II provided a list of observatory stations. Location of 110 AWS sites (including 45 in Baluchistan) have already been provided. In consultation with respective RMO of PMD, M&E Consultants will conduct sampled site visits of AWS/Radars.*

IV Grievance Redressal Mechanism

It was re-iterated that already approved GRM by PIU-PMD remains a valid document. GRM Associate deployed by M&E Consultant will work closely in coordination with PMD's focal person. In consultation with and approval of the concerned stakeholders, M&E Consultants (IFRAP) procured/arranged and provided a unique Jaz sim : **0325-5373330** (contains right 5 figures of WB Credit number) to help facilitate GRM at PIU-PMD. The sim will be activated by PIU-PMD with business account enabling access to GRM Associate of the M&E Consultant (IFRAP). A banner will be designed and displayed at PIU-PMD office along with a complaint box.

Follow up Action: *PIU – PMD will be responsible to activate sim and provide access to M&E Consultants on business account. M&E Consultant will design and prepare banner and complaint box to be installed by PIU-PMD. PIU- PMD will provide toll free number.*

The Meeting concluded with a vote of thanks to the participants

Minutes prepared/finalized by Dr Shabbir Hussain vetted by PIU-PMD

