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Government of Pakistan
Ministry of Water Resources
Office of the Chief Engineering Adviser &
Chairman Federal Flood Commission

No. FC-1(2) NMP/ WAPDA-Telemetry/2026

6 -Ataturk Avenue G 5/1
Islamabad the August 20, 2026

1. Member (Water) WAPDA, WAPDA House, Lahore.
2. Secretary, Irrigation Department, Government of the Punjab, Lahore.
3. Secretary, Irrigation Department, Government of Sindh, Karachi.
4. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
5. Secretary, Irrigation Department, Government of Balochistan, Quetta.
6. Director General, Irrigation & Small Dams, Government of AJ&K, Muzaffarabad.
7. General Manager (HRM), WAPDA House, Lahore.
8. Project Director (H&R) Directorate, WAPDA, CTML Building, WAPDA Town, Lahore.
9. Director, Irrigation & Water Management Department, Gilgit.

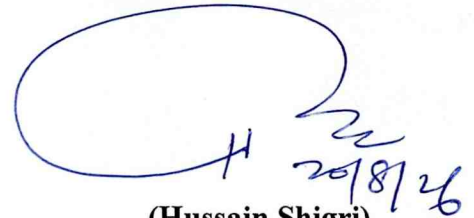
Sub: MEETING REGARDING FORMULATION OF ROAD-MAP FOR THE PROJECT TITLED "NATIONAL MASTER PLAN FOR FLOOD TELEMETRY" UNDER FPSP-III IN RESPONSE TO ADB AIDE MEMOIRE DATED 7TH JULY 2026 HELD ON 18TH AUGUST 2026

Kindly find enclosed herewith a copy of minutes of the subject meeting held on **18th August 2026 at 1500 hours**, under the Chairmanship of the CEA & CFFC.

All concerned organizations are advised to ensure complete and prompt compliance of the decisions reflected therein well within the given timeframe.

This issues with the approval of the CEA & CFFC.

Encl: **As above**


(Hussain Shigri)
Senior Engineer (Floods)

Copy to (along with enclosures) :

1. Special Secretary (Technical), Irrigation Department Government of Sindh, Karachi.
2. Chief Engineer (D&F), Irrigation Department Government of Punjab, Lahore.
3. Chief Engineer (North), Irrigation Department Government of Khyber Pakhtunkhwa, Peshawar.
4. Provincial Coordinator, Irrigation Department Government of Balochistan, Quetta

Sub: MEETING REGARDING FORMULATION OF ROAD-MAP FOR THE PROJECT TITLED “NATIONAL MASTER PLAN FOR FLOOD TELEMTRY” UNDER FPSP-III IN RESPONSE TO ADB AIDE MEMOIRE DATED 7th July 2026 HELD ON 18TH AUGUST 2026

In response to ADB Aide-Mémoire dated 7th July 2026, a meeting regarding formulation of the roadmap for the project titled “National Master Plan for Flood Telemetry” under Flood Protection Sector Project-III (FPSP-III) was held on 18th August 2026 at 1500 hours in the Committee Room of the Office of the Chief Engineering Adviser & Chairman, Federal Flood Commission, Islamabad. The meeting was chaired by the Chief Engineering Adviser & Chairman, Federal Flood Commission (CEA & CFFC). List of the participants is attached at **Annexure-I**.

2. The meeting started with recitation from the Holy Quran. The Chair welcomed the participants and stated that the National Master Plan for Flood Telemetry Network was a sub-project of FPSP-III. Following the ADB’s reconnaissance mission held from 30 March to 21 April 2026 on the project and subsequent stakeholder consultations, ADB issued an Aide-Mémoire on July 07, 2026 which was circulated by FFC to the concerned stakeholders for view/comments. The Aide-Mémoire requires submission of a comprehensive project roadmap to ADB by August 31, 2026. The meeting was therefore convened to deliberate and agree on a realistic roadmap following by a field reconnaissance, site validation rationalization of required and revision of PC-I, and subsequent processing by ADB for approval of the loan for implementation of the project.

3. The Chair requested Senior Engineer (Floods), FFC to brief the forum. He explained that the meeting would focus on: (i) the proposed project roadmap; (ii) coordination and cooperation required from stakeholders for carrying out field activities; and (iii) logistical arrangements and use of KOBO Toolbox for standardized, geo-referenced field data collection. The roadmap agreed during the meeting is attached on **Annexure-II**.

4. The Chair directed all stakeholders to review the activities, timelines, responsibilities and milestones falling within their respective mandates and submit their written views/comments/concurrence to FFC by August 24, 2026. FFC will incorporate the relevant observations and finalize the roadmap for onward submission through MoWR/EAD by August 31, 2026.

5. ADB Project Team Leader (PTL) informed the forum that the reconnaissance survey and field data collection would commence on September 01, 2026 and continue up to November 30, 2026 as per the separate teams will conduct field visit simultaneously in different provinces/regions, to complete the task in time.

6. The Chair emphasized the need for clear institutional ownership and close coordination at federal, provincial and regional levels. Irrigation Departments of Punjab, Sindh, KP and Balochistan, concerned departments of AJ&K and Gilgit-Baltistan, and WAPDA agreed to nominate one focal person each. It was agreed that field reconnaissance team lead by ADB’s Consultants will meet the concerned Secretaries starting their visits to facilitate nomination of focal persons at an appropriate level and to ensure ownership of the reconnaissance exercise.

7. It was agreed that field teams would comprise representatives of the concerned department, WAPDA, FFC and ADB Consultants. Considering the number and geographical spread of

proposed sites, as well as logistical and security requirements, particularly in Balochistan, multiple teams could be deployed simultaneously, where required.

8. The forum also discussed the logistical and institutional support required for the reconnaissance survey teams. The concerned departments agreed to facilitate site access, provide available historical/technical records and station information, and extend field, local coordination, security and site-verification support. ADB informed the forum that logistical/technical support, including vehicles/POL for ADB-supported field teams, would be provided to the extent covered under its arrangements.

9. The Chair emphasized that the reconnaissance should not merely validate the existing list of stations but should lead to a technically justified, credible and sustainable National Flood Telemetry Network based on flood-risk and early-warning requirements. The exercise should also avoid duplication with existing/planned systems and consider technical, financial and institutional sustainability.

10. Chief Engineer, H&WM, WAPDA requested ADB to consider logistical support. It was agreed that participating organizations would meet the expenses of their accompanying staff from available institutional resources. WAPDA requested that these requirements be reflected in the official communication to concerned departments.

11. The forum agreed that telemetry sites would be rationalized considering flood hazard, population and infrastructure at risk, existing/planned monitoring coverage, early-warning requirements, accessibility, security, land availability, communication and power facilities, sensor requirements, O&M and long-term sustainability. All sites would be reviewed in consultation with the Provincial Irrigation Department, WAPDA and local field formations.

12. On a query from Chief Engineer BMU, PID Sindh, ADB briefed the forum on KOBO Toolbox as a standardized digital/mobile platform for reconnaissance data collection. It will capture site details, GPS coordinates, photographs, accessibility, security, existing infrastructure/equipment, sensor and telemetry requirements, communication and power availability, and localized early-warning requirements. The tool can operate offline and synchronize data when connectivity is restored.

13. ADB further informed that GPS coordinates and photographs can be linked with individual records for geo-referencing, quality control and verification. The final questionnaire and data-collection format will be developed in consultation with FFC, WAPDA, PIDs/concerned departments and ADB Consultants before deployment.

14. ADB, PTL informed the forum that a National Consultation Workshop was tentatively planned for September 30, 2026 at Serena/Marriott Hotel, Islamabad. The workshop would include a high-level panel session involving heads of relevant organizations and the Minister for Water Resources/Country Director ADB PRM, followed by technical sessions on data sharing, field data collection, O&M arrangements and proposed project design. ADB will facilitate the arrangements.

15. With regard to the project outputs for which PC-Is have to be prepared, the ADB representative informed the forum that the Ministry of Water Resources (MoWR) would be the Executing Agency, facilitated by FFC, while WAPDA would serve as the Implementing Agency for Output 1 (Telemetry Component) and Output 3 (Capacity Building). For Output 3 (Actions and Modelling), the Ministry of Planning, Development & Special Initiatives (MoPD&SI) would be the Executing Agency, while NDMA would be the Implementing Agency. However, the FFC

representative clarified that such arrangement had not been agreed upon and that FFC had already conveyed its position through comments on the Aide-Mémoire. The ADB representative explained that the response to FFC's observations was based on WAPDA's unwillingness to procure the modelling equipment for PMD. The Chair directed that the matter be appropriately reflected and addressed in the revised Aide-Mémoire. The ADB representative stated that a revised Concept Note would be issued, while the matter could also be discussed in greater detail during the proposed workshop.

16. After detailed deliberations, the following decisions were taken:

- i. All concerned stakeholders shall review the Roadmap at **Annexure-II** and furnish comments/views/concurrence to FFC by August 24, 2026.
- ii. FFC shall incorporate relevant stakeholders' inputs and finalize the Roadmap for onward submission through the Ministry of Water Resources/EAD by August 31, 2026.
- iii. Provincial Irrigation Departments of Punjab, Sindh, Khyber Pakhtunkhwa and Balochistan, Irrigation and Small Dams AJ&K and Gilgit-Baltistan, and WAPDA shall nominate one focal person each for coordination of reconnaissance and field data-collection activities and communicate the nominations to FFC by August 24, 2026.
- iv. ADB Consultants shall provide KOBToolbox training to the nominated focal persons/field teams before commencement of field data collection.
- v. The reconnaissance survey and field data collection shall commence from September 01, 2026 and be completed by November 30, 2026.
- vi. PIDs/FLAs shall provide necessary institutional and logistical cooperation, including site access, relevant data/records and coordination through their field formations, to facilitate timely completion of reconnaissance activities.
- vii. ADB's position regarding the project outputs and the proposed arrangements for the Executing and Implementing Agencies may be communicated to FFC through a revised Aide-Mémoire or Concept Note, or finalized after detailed consultation during the proposed workshop.

17. Meeting ended with the note of thanks from the Chair.

LIST OF PARTICIPANTS

MEETING REGARDING FORMULATION OF ROAD-MAP FOR THE PROJECT TITLED “NATIONAL MASTER PLAN FOR FLOOD TELEMTRY” UNDER FPSP-III IN RESPONSE TO ADB AIDE MEMOIRE DATED 7TH JULY 2026 HELD ON 18TH AUGUST 2026 AT 1500 HOURS IN COMMITTEE ROOM OF OFFICE OF CEA & CFEC

FEDERAL FLOOD COMMISSION, ISLAMABAD

- | | |
|--|-----------------|
| 1. Mr. Ather Hameed
Chief Engineering Advisor & Chairman FFC | In Chair |
| 2. Dr. M. Ejaz Tanveer
Superintending Engineer (Floods)-I | |
| 3. Mr. Zafar Iqbal
Superintending Engineer (Floods)-II | |
| 4. Mr. Hussain Shigri
Senior Engineer (Floods) | |
| 5. Mr. Salman Alam
Junior Engineer Civil (PCMU) | |
| 6. Mr. Ahmed Saeed
Junior Engineer Civil (PCMU) | |
| 7. Ms. Aniq Murtaza
Junior Engineer Civil (PCMU) | |
| 8. Mr. Malik Hussain Muzaffar Awan
Junior Engineer Civil (PCMU) | |

ADB

- 9. Mr. Asif Turangzai
Project Team Leader
- 10. Mr. Nadir Rehman
Consultant
- 11. Mr. Arif Anwer (On-line)
Consultant

WAPDA

- 12. Mr. Aijaz Hussain Memon
Chief Engineer

IRRIGATION & SMALL DAMS DEPARTMENT, AJ&K

- 13. Mr. Faisal Mushtaq
Director

ONLINE PARTICIPANTS

IRRIGATION DEPARTMENT GOVERNMENT OF PUNJAB, LAHORE

- 14. Mr. Shoukat Hayat Virk
Chief Engineer (D&F)
- 15. Ambreen Iqbal
Deputy Director

IRRIGATION DEPARTMENT GOVERNMENT OF SINDH, KARACHI

- 16. Mr. Sohail Hameed Baloch
Chief Engineer BMU
- 17. Mr. Kapil Dev
XEN

IRRIGATION DEPARTMENT GOVERNMENT OF KHYBER PAKHTUNKHWA, PESHAWAR

- 18. Mr. Khalid Khattak,
S.E. Headquarter South

IRRIGATION DEPARTMENT GOVERNMENT OF BALUCHISTAN, QUETTA

- 19. Mr. Sufyan Samim Khan,
Project Director, BWRDS/EFA

IRRIGATION AND WATER MANAGEM<NET DEPARTMENT GB

- 20. Mr. Abdul Haseeb

WAPDA

- 21. Mr. Shoaib Mukhtar,
PD H&R

**PROPOSED ROADMAP FOR THE PROJECT: NATIONAL MASTER PLAN FOR FLOOD TELEMETRY UNDER FPSP-III IN
RESPONSE TO ADB AIDE MEMOIRE DATED 7TH JULY 2026**

S. NO.	KEY ACTIVITIES	RESPONSIBLE ORGANIZATION	TARGET DATE	DELIVERABLE / MILESTONE
1.	Finalize roadmap based on stakeholder consultation held on 18 August 2026 and obtain consolidated inputs from concerned agencies	FFC / WAPDA / PIDs	By 28 Aug 2026	comprehensive roadmap
2.	Submission of roadmap to ADB through MOWR/EAD	EAD / Government	By 31 Aug 2026	Roadmap submitted to ADB
3.	Reconnaissance survey and collection of field data for all proposed telemetry stations, including site verification and technical assessment	WAPDA / PIDs / FFC / ADB Consultants	1 Sep-30 Nov 2026	Field-verified site database and survey report
4.	Rationalize and finalize proposed sites, including resolution of duplication, non-existent/destroyed stations, technical unsuitability and disputed/inaccessible locations	WAPDA / PIDs / FFC / ADB Consultants	By 15 Dec 2026	Final validated site list
5.	Prepare report and inputs for revised PC-1 based on field findings, validated scope, technical design and cost estimates	WAPDA / FFC / ADB Consultants	1-15 Dec 2026	Required data for revised PC-1
6.	Prepare amended/revised PC-1, including technical, institutional, safeguards, O&M, procurement and financial arrangements	WAPDA	15-31 Dec 2026	Amended/revised PC-1
7.	Preparation of data sharing protocol	WAPDA / PIDs / FFC / ADB Consultants/MOWR	15-31 Dec 2026	
8.	Finalization of O&M arrangement and its agreement by all stakeholders	WAPDA / PIDs / FFC / ADB Consultants/MOWR	15-31 Dec 2026	

9.	Submission of revised PC-1 to FFC/MOWR by WAPDA	WAPDA	01 Jan 2027	Amended/revised PC-1
10.	Review and process revised PC-1 for CDWP approval	MoWR / Planning Commission	1-31 Jan 2027	PC-1 approved by CDWP
11.	Process revised PC-1 for ECNEC approval	MoWR / EAD / Planning Commission	31 Jan-31 Mar 2027	PC-1 approved by ECNEC
12.	ADB Fact-Finding and project processing, including due diligence, finalization of project design, safeguards, procurement and financial arrangements	ADB / EAD / MoWR / WAPDA	Jan-Mar 2027	Completed fact-finding and appraisal package
13.	ADB loan/grant negotiations and finalization of financing arrangements	EAD / MoWR / ADB	Apr-Jun 2027	Negotiated financing package
14.	ADB Board processing and approval of Loan	ADB / EAD	1 st Jul to 30 Jul 2027	ADB Board approval
15.	Procurement and project implementation, including installation, integration, testing, commissioning and operationalization of telemetry/EWS system	WAPDA / PIDs / FFC	1 st August 2027 onward	Implementation