

**Government of Pakistan
Ministry of Water Resources
Office of the Chief Engineering Advisor/
Chairman Federal Flood Commission**

No. FC-I (23)/ 2023

6-Ataturk Avenue, G-5/1,
Islamabad, September 03, 2024

Sub: **MINUTES OF 5th MONSOON REVIEW MEETING OF THE FEDERAL FLOOD COMMISSION HELD ON 27th AUGUST 2024 IN THE COMMITTEE ROOM OF OFFICE OF CEA/ CFFC, ISLAMABAD**

I have been directed to enclose herewith minutes of the subject cited meeting held on 27th August 2024 in the Committee Room of Office of CEA/ CFFC, Islamabad.

2. All concerned organizations are requested to take actions on the decisions reflected in the minutes and furnish compliance report to this office at the earliest within given time frame.

3. This issues with the approval of CEA/ CFFC, Islamabad.

Encl: As above



(Sibte Hasan)
Assistant Engineer (Floods-III)
Ph: 051-9244605

Distribution:

1. Director General, Pakistan Meteorological Department, H-8, Islamabad.
2. Member (Infrastructure), Planning Commission, Islamabad.
3. Member (Water), WAPDA, WAPDA House, Lahore.
4. Chairman, Indus River System Authority, Islamabad.
5. Chairman, CDA, Islamabad (Enactment of River Act in ICT).
6. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
7. Chairman, National Highway Authority, Islamabad.
8. Chief Executive Officer, Pakistan Railways, Lahore.
9. Director General (Engineers), Engineers Directorate, GHQ, Rawalpindi.
10. Chief (WRS), Ministry of Planning, Development & Special Initiatives, Islamabad.
11. Member (Operations), NDMA, Islamabad.
12. Deputy Secretary (Water), Ministry of Water Resources, Islamabad.
13. Secretary, Irrigation Department, Government of the Punjab, Lahore.
14. Secretary, Irrigation Department, Government of Sindh, Karachi.
15. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
16. Secretary, Irrigation Department, Government of Balochistan, Quetta.
17. Secretary Water Management & Irrigation Department, Helipad Road, Sonikot, Gilgit.
18. Secretary, Irrigation & Agriculture Department, Government of AJ&K, Muzaffrabad.
19. Director General (CC), Ministry of Climate Change & Environmental Coordination, Islamabad.
20. Director General, Provincial Disaster Management Authority, Govt. of the Punjab, Lahore.
21. Director General, Provincial Disaster Management Authority, Govt. of Sindh, Karachi.
22. Director General, Provincial Disaster Management Authority, Govt. of KP, Peshawar.
23. Director General, Provincial Disaster Management Authority, Govt. of Balochistan, Quetta.

24. Director General, Gilgit-Baltistan Disaster Management Authority, Gilgit.
25. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffrabad.
26. Secretary, PCRWR, H-8, Islamabad
27. General Manager, Tarbela Dam Project, Tarbela.
28. General Manager, Mangla Dam Organization, Mangla.
29. General Manager (SUPARCO), Near CDA Toll Plaza, Rawat,
30. Chief Engineer, Merged Area, Irrigation Department, Peshawar
31. Director General, Irrigation & Small Dams, Government of AJ&K, Muzaffrabad.
32. Commissioner, Rawalpindi
33. Managing Director, WASA, Liaquat Bagh, Rawalpindi.

Copy alongwith enclosure to:

1. Mr. Usman-e-Ghani, Additional Commissioner for Indus Waters, O/o PCIW, Islamabad
2. Mr. Shahid Abbas, Chief Meteorologist, Flood Forecasting Division, Lahore.
3. Mr. Sultan Mahmood, Chief Engineer (D&F), Irrigation Department, Govt. of the Punjab, Lahore.
4. Mr. Sajid Ali Bhutto, Chief Engineer Barrage Management Unit, Irrigation Department, Govt. of Sindh, Karachi.
5. Mr. Ali Ahmed, Executive Engineer Hydrology, Irrigation Department, Govt. of KPK, Peshawar.
6. Mr. Sami Baloch, Provincial Coordinator, Irrigation Department, Govt. of Balochistan, Quetta.
7. Engr. Abdul Haseeb, Design Engineer, Secretary (Works), Gilgit-Baltistan, Gilgit.
8. Mr. Waqar Ahmed, Planning Officer WMO, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffrabad.
9. Mr. Irfan Virk, Deputy Director, Pakistan Meteorological Department, H-8, Islamabad.
10. Mr. Farooq, Director (WRMD), Flood Information Centre WAPDA, Lahore
11. Syed Ali Haider, Superintending Engineer (S&H), Tarbela Dam Project, Tarbela
12. Syed Faizan Haider Shah, Superintending Engineer Hydrology, Mangla Dam Project, Mangla, Jhelum.
13. Mr. Hamid Sheikh, Sub Divisional Officer, Chashma Barrage WAPDA, Chashma
14. Mr. Khalid Idress Rana, Director Operation, IRSA, Islamabad.
15. Mr. Aftab Ullah Babar, Director (RAMS), National Highway Authority, Islamabad.
16. Mr. M. Ibrahim, GM, Disaster Emergency Response, SUPARCO HQs, Islamabad.
17. Dr. Tayyab, Director Response NDMA, Islamabad.
18. Member Engineering CDA, Islamabad with respect to enact of River Act in ICT as per Senate Standing Committee on Water Resources, Islamabad.

Copy for information to:

1. Director to the Federal Minister, Ministry of Water Resources, Islamabad.
2. PS to Secretary, Ministry of Water Resources, Islamabad.
3. PS to CEA & CFFC, Islamabad.
4. PS to Chairman NDMA, Islamabad.
5. PS to Chairman SUPARCO, Islamabad.

AS/3-9-24

Sub: MINUTES OF 5th MONSOON 2024 REVIEW MEETING – AUGUST 27, 2024

The 5th Monsoon Season 2024 on-line meeting of Federal Flood Commission (FFC) was held on 27th August 2024 at 1500 hours in the Committee Room of Office of the Chief Engineering Advisor/Chairman Federal Flood Commission (O/o CEA/CFFC), Islamabad. CEA/CFFC chaired the meeting. List of participants is attached as Annexure-I.

2. The meeting started with recitation from the Holy Quran. The Chair welcomed the participants and emphasized that the primary purpose of the meeting was to review progress made on the decisions taken during the previous meeting held on August 12, 2024. Additionally, the meeting aimed to assess the preparedness of all relevant organizations in light of the latest PMD forecast predicting heavy rains in the last week of August 2024 all over the country. The Chair then invited the Chief Engineer (Floods), O/o CEA/CFFC, to brief on consolidated progress/ compliance received from respective agencies.

3. Chief Engineer (Floods) reported that several key decisions were made during the 4th Monsoon Review Meeting. He added that most of the PIDs and FLAs, with the exception of WAPDA, had yet to submit the required reports on damages to irrigation and drainage infrastructure resulting from Monsoon 2024. Similarly, the review and update of Contingency Plans was yet awaited from Punjab, KP and Balochistan. Also PDMA Punjab had not provided notification of the Committee tasked with surveying and identifying vulnerable locations. He further stated that encroachment details including their coordinates were also awaited from PIDs Sindh, KP and Balochistan.

4. Thereafter the Chair advised PMD to update on the fresh weather forecast. PMD representative informed that a very dense system, over 500 km in diameter, was expected to enter the country, bringing heavy rains to Southern Punjab, Sindh and Balochistan until August 31, 2024. In response to the Chair's query regarding expected quantity of rainfall, PMD representative stated that 300-500 mm of rain was anticipated in Thatta, Hyderabad, Badin, Karachi and Mirpur Khas, while 100-200 mm was expected in Naseerabad, Kalat and Loralai. Regarding the possibility of Mangla Dam reaching its maximum capacity, the PMD representative indicated that there were less chances, however, with expected rainfall, reservoir level was expected to rise by approximately 5-6 feet. In response to a query from the Chief Engineer (Floods) about the forecast for KP, GB and AJ&K, the FMD representative stated that those areas were expected to receive good rains during the same period, however the likelihood of major river flooding is low. PMD's representative also mentioned that a comparison between the forecasted and actual rainfall would be provided at the end of the monsoon season.

5. Addressing preparations for the forecasted rains in Sindh, the representative of PDMA Sindh reported that de-watering pumps had been deployed in Karachi, Hyderabad and other urban centers to address potential urban flooding. He added that machinery and relief supplies had been distributed to district administrations and additional pumps had been positioned near RBOD. He continued stating that regular coordination meetings were being held with PID Sindh, WASAs and district administrations to prepare for any unexpected urban flooding.

6. Representative of O/o G.M (Projects) South, WAPDA, informed that the revised RBOD Contingency Plan had been submitted to FFC and vulnerable points along the Drain had been identified and deployed machinery & staff at critical locations. He added that restoration work on the Main Nara Valley Drain was being carried out by the Sindh Irrigation Department and water from the Keral and Miro Khan drains would be diverted to Hamal Lake to reduce pressure on MNVD. Additionally, machinery had been deployed along FP Bund with coordination between PID Sindh and PDMA Sindh.

7. Representative of PDMA Punjab stated that the situation in Punjab was stable. Also Committees led by the Additional Chief Secretaries had been formed to survey floodplains, while survey details would be shared with FFC upon completion. He continued stating that 24-hour surveillance and rapid evacuation plans were in place for hill torrent areas. Representative was asked to share the committee notification and GIS link with FFC.

8. Representative of PID KP stated that as mentioned in the last meeting, there were concerns about the construction of New Honeymoon Hotel near River Swat. He further stated that field inspection by Irrigation Department had confirmed that no construction activities were currently taking place at site. The representative stated that fourteen (14) tributaries flow into the Swat River, often causing simultaneous flooding during the monsoon season due to short lag time. He suggested that delay action dams were necessary to manage river flows and mentioned that a feasibility study for these dams had been proposed in the Annual Development Plan 2024-25. The Chair directed to share complete coordinates of removed encroachments and a report on the cessation of construction activities in and along Swat River bed, be shared.

9. Representative from PID Punjab informed that they had observed high flows in the Rojhan hill torrents and river flows were expected to remain under control during the forecasted spell from PMD. When asked about the impact of modernizing barrages in Punjab, he mentioned that its effectiveness would only be evident during a Very High/Extreme Flood event. Chief Engineer (Floods) pointed out that fifty eight (58) Flood Fighting Plans had been shared by PID Punjab, however, some plans lacked details on bunds/dykes. Also excessive amounts of kerosene and petrol had been proposed. Chief Engineer (Floods) highlighted the need for updating of existing flood fighting plans. PID Punjab representative assured that the Flood Fighting Plans would be updated and shared with FFC soon.

10. Representative of PID Sindh reported that the situation along the Indus River was normal with zero withdrawals from all barrages. He said that they had noted some pressure at Kotri Barrage due to a discharge of 300,000 cusecs but mentioned that the situation at LBOD was under control. In response to a query, he confirmed that urban rains had no impact on the irrigation/canal system. He was requested to share the coordinates of all 175 removed encroachments with FFC for forwarding to SUPARCO for verification.

11. Representative of the Irrigation & Water Management Department, Government of Gilgit Baltistan, stated that there were no encroachments in their jurisdiction. He mentioned that restoration of flood damages caused by flooding due to GLOF in Astore and Baltistan was being done. He was asked to provide a report on irrigation related structural damages in GB to FFC.

12. Representative from the Irrigation & Small Dams Organization, Government of AJ&K stated that no major damages had occurred during Monsoon 2024 and debris had been cleared from respective nullahs.
13. Engineering Advisor (Civil) enquired NHA regarding restoration of 2022 flood damages in the Bahrain-Kalam Road Section, representative of NHA informed that PC-I for the Bahrain-Kalam Road Section had been prepared and rehabilitation work was currently in progress.
14. Representative of WAPDA informed that coordination with PID Punjab was ongoing and that no major damages had been reported to the Kachhi Canal due to recent rains, as floodwaters followed the breached sections occurred during 2022 floods. He was asked to share a report on the August 18, 2024 event with FFC.
15. Representative of the Tarbela Dam Project, WAPDA, stated that the dam was currently at its Maximum Conservation Level (MCL) of 1,550.00 feet AMSL and that flow monitoring was being done regularly. Representative of MDO, WAPDA, informed that the dam level was at 1,217 feet AMSL and the situation remained normal.
16. IRSA representative informed the forum that according to IRSA's forecast for the period 1st April to 20th August 2024, Tarbela Reservoir received 1% more inflows than the anticipated. However, the Mangla Reservoir experienced 7-8% lower inflows, resulting in the reservoir level being 15-20 feet lower than the expected. He also added that Kabul River had received 100% above the inflows anticipated by IRSA. On a query from WAPDA, PMD representative clarified that no high flows were expected in the Kabul River in the near future.
17. Representative of Chashma Barrage reported that flows at Chashma were normal with the pond level maintained at 648 feet. Representative of CRBC, WAPDA informed that hill torrent flows safely passed through super passages. He stated that funds from PID Punjab and KP had not been released so far for restoration of 2022- flood damages.
18. Representative from WASA Rawalpindi reported that the islands formed in the Nullah had been cleared and the situation was under control. Representative from CDA was asked to submit estimates for gauges in the Islamabad region. The Chair also mentioned that he had discussed with Chairman CDA the need for a study through WAPDA to review and improve the Early Warning System of Lai Nullah in view of current climate changes. It was also decided that FFC would write a letter to SUPARCO to provide latest available Satellite Imagery of ICT area to CDA for identifying existing encroachments in and along the streams/nullahs of ICT. Thereafter, CDA would remove the encroachments and share report with FFC.
19. Representative of PID Balochistan reported that breaches had occurred in the Pat Feeder Canal during Monsoon 2024. He was advised to share a report on the damages with FFC. The Chair showed concern over absence of SUPARCO representative in the meeting. SUPARCO did not attend the aforementioned meeting even after repeated reminders.

20. After detailed discussions, the following decisions were taken:
- i. PMD, will provide a comparison of forecasted and actual rainfall at the end of the monsoon season by using various local, regional and global models to check the efficiency and efficacy of PMD's forecast.
 - ii. PDMA Punjab to share notification of the committee constituted for the survey and identification of vulnerable/critical settlements along with the GIS link, with FFC.
 - iii. PID KP to share the complete coordinates of removed encroachments as well as a report on the cessation of construction activities in the Swat River.
 - iv. PID Punjab will update/correct/amend related Flood Fighting Plans and share with FFC.
 - v. PID Sindh to share the coordinates of all identified 175 encroachments and their removal status with FFC at the earliest.
 - vi. PID Balochistan to submit a report to FFC on the damages caused to Pat Feeder Canal during the current Monsoon Season-2024.
 - vii. PD Kachhi Canal Project, WAPDA to submit a detailed report on the flood event occurred on August 18, 2024 to FFC and status of rehabilitation of 2022 flood damages.
 - viii. FFC will issue a letter to WAPDA requesting a review and assessment of the existing Early Warning System for Lai Nullah which was installed with the assistance of JICA grant. WAPDA is to suggest in consultation with PMD any necessary enhancements including the installation of new flood telemetry stations.
 - ix. FFC will send a letter to SUPARCO requesting satellite imagery of encroachments within the floodplain of Lai Nullah and its tributaries in the ICT area. The acquired imagery will be shared with CDA for the necessary removal of these encroachments.
 - x. SUPARCO to furnish details of identified encroachments lying in High Flood Zone in the flood plain of major rivers.
 - xi. PIDs Punjab and Sindh are to ensure continuous patrolling of flood protection infrastructure as well as irrigation and drainage structures, to ensure safe passage of floodwaters during the remaining period of the ongoing Monsoon Season 2024.
 - xii. WAPDA is to maintain strict vigilance in the operation of Tarbela Dam and Mangla Dam ensuring adherence to the established SOPs and Dam Safety Guidelines in the event of higher inflows.
21. The meeting ended with a vote to and from the Chair.

LIST OF PARTICIPANTS-5TH MONSOON 2024 REVIEW MEETING-AUGUST 27, 2024

Federal Flood Commission, M/o Water Resources, Islamabad

1. Mr. Ahmed Kamal
Chief Engineering Advisor /
Chairman Federal Flood Commission
2. Mr. Ather Hameed
Engineering Adviser (Civil)
3. Dr. M. Ejaz Tanveer
Chief Engineer (Floods)
4. Mr. Zafar Iqbal
Superintending Engineer (Floods-I)
5. Mr. Muhammad Amin
Assistant Engineer (F-I)
6. Mr. Sibite Hassan
Assistant Engineer (F-III)
7. Mr. Yawar Rasheed
Assistant Engineer (F-IV)

In Chair

ONLINE PARTICIPANTS

Pakistan Meteorological Department, Islamabad

8. Mr. Shahid Abbas
Chief Meteorologist

Water & Power Development Authority (WAPDA)

9. Mr. Ali Haider
Superintending Engineer
Tarbela Dam Project
10. Syed Faizan Haider
Superintending Engineer (Hydrology)
Mangla Dam organizations
11. Mr. Musarat Iqbal
Director
Kacchi Canal Project
12. Mr. Fakhr-e-Jahan
Chief Engineer
Chashma Right Bank Canal

13. Mr. Sajjad Abro
Director
RBOD-I & III

Irrigation Department, Govt. of the Punjab, Lahore

14. Mr. Sultan Mahmood
Chief Engineer (D&F)

Irrigation Department, Govt. of Sindh, Karachi

15. Mr. Sajid Ali Bhutto
Chief Engineer (Barrages Management Unit)

Irrigation Department, Govt. of Khyber Pakhtunkhwa, Peshawar

16. Mr. Anwar Kamal
Superintending Engineer (HQ) North
17. Mr. Khalid Khattak
Superintending Engineer (HQ) South
18. Mr. Waseem
Superintending Engineer, Swat Irrigation Circle

Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffrabad

19. Mr. Waqar Ahmed
Water Management Officer/Incharge Planning Cell

Provincial Disaster Management Authority (Punjab), Lahore

20. Mr. Zaheer Liaqat Baig
Director (Admin)

Provincial Disaster Management Authority (Sindh), Karachi

21. Mr. Ajay Kumar
Assistant Director

G-B Irrigation & Water Management (G-B), Gilgit

22. Engr. Abdul Haseeb
Assistant Director

WASA Rawalpindi

23. Mr. Sadoon Basra
Director (Sewerage)