

**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, August 02, 2024

Sub: MINUTES OF 3rd ONLINE MEETING OF THE FEDERAL FLOOD COMMISSION TO REVIEW PREPAREDNESS FOR MONSOON SEASON 2024, HELD ON 30th JULY 2024 IN THE COMMITTEE ROOM OF OFFICE OF CEA/ CFCC, ISLAMABAD

I have been directed to enclose herewith minutes of the subject cited meeting held on 30th July 2024 in the Committee Room of Office of CEA/ CFCC, 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/ CFCC, Islamabad.

Encl: As above


(M. Hanif Chachar)
Principal River Engineer
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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.

The 3rd Monsoon Season 2024 review meeting of the Federal Flood Commission (FFC) was held online on 30th July 2024 at 12:30 PM in the Committee Room of the 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 **Annex-I**.

2. The meeting started with recitation from the Holy Quran. Chair welcomed the participants and noted that this meeting was a follow-up to the previous one held on **July 15, 2024**, to review progress on its decisions. He then asked the Chief Engineer (Floods), O/o CEA/CFFC, to commence the proceedings.
3. Chief Engineer (Floods) informed the forum that the office had received encroachment details from PID Punjab (153 along with coordinates), PID Sindh (out of 175 encroachments, only 26 with coordinates), and PID KP (out of 121 encroachments, only 29 with coordinates). However, PID Balochistan and FLAs (AJ&K, GB & WAPDA) have not submitted any details to the office. All the received information has already been shared with SUPARCO for verification. He added that despite requests for the submission of critical/vulnerable locations along with coordinates, the information is still awaited from all PIDs/FLAs. Chair directed all PIDs/FLAs to submit the remaining encroachment details along with coordinates, as well as the critical/vulnerable locations with coordinates. Chief Engineer (Floods) then requested a briefing from the PMD representative on the latest weather forecast.
4. Chief Meteorologist PMD reported that the next 1-2 days are expected to have minimal rain, but the following 3-4 days could see significant rainfall across the country. While no major impacts on rivers are anticipated, hill torrents in D.G. Khan (Punjab) and Balochistan may experience excessive flows. Urban flooding in Karachi, Lahore, Rawalpindi, and Gujranwala cannot be ruled out. In response to a query about flood flows from Eastern Rivers, the PMD representative noted that Indian reservoirs on the Ravi and Sutlej rivers are half-filled, resulting in minimal flooding chances in downstream (Pakistan). River Chenab may see some additional flows, but no major flooding is expected. PMD was asked to share the comparison of forecasted and actual rainfall during July 2024 on daily basis besides furnishing a map covering all the existing Weather Forecasting System (Radars, AWS, Rain Gauges, etc.).
5. Representative Mangla Dam Organization, WAPDA reported that the expected level of Mangla Dam according to the Rule Curve was 1228 feet, but the current level is 1201 feet. He inquired about expected rainfall in the catchment areas and the likelihood of the dam reaching its Maximum Conservation Level (MCL) of 1242 feet. PMD representative indicated that no significant rains are anticipated and the dam is unlikely to reach its MCL. Chair advised to share the Contingency Plan (1-Corps Pak Army) alongwith details of encroachments downstream of Mangla Dam (Crush Plants), as previously requested
6. Representative Tarbela Dam Project, WAPDA stated that the typical end-of-July level was **1530 feet** but the current level is **1521.99 feet**. He inquired about the temperature forecast for Skardu to assess expected snowmelt flows. PMD representative forecasted an increase in temperature for the next 3-4 days, followed by a decrease. Chair instructed Mangla and Tarbela



Dam Authorities to make fool proof arrangements and ensure maximum dam filling according to SOPs and IRSA indents.

7. Representative Kachhi Canal Project, WAPDA, reported significant damage from hill torrents originating in the Koh-e-Suleman Range. Out of approximately 200 hill torrents, 13 are particularly severe and cause substantial damage. While temporary measures, including a Control Room, have been put in place, additional support from the Irrigation Department and PDMA Punjab is necessary. He added that the flood flows from these hill torrents have caused considerable damage, exacerbated by settlements within their periphery. Director General PDMA Punjab noted that three major hill torrents lack direct disposal routes to the river. However, he assured that PDMA is considering measures to evacuate people already settled in the flood-prone areas. Representative of Kachhi Canal Project was asked to share Contingency Plan alongwith details of recently established Control Room for effective coordination.

8. Representative RBOD Project, WAPDA, shared that a Contingency Plan is in place and PC-I for Flood Damages-2022 Restoration Project is under approval. Restoration work on critical reaches has begun, but the MNV Drain in Dadu remains unaddressed. Efforts are underway to involve the Sindh Irrigation Department due to RBOD's closure and lack of WAPDA funds. Representative RBOD Project was asked to provide the Contingency Plan alongwith details of on-going restoration works of RBOD flood damage.

9. Representative CRBC, WAPDA reported that necessary machinery is available for flood emergencies, though there were initial issues with POL that are being resolved. Representative CRBC, WAPDA was asked to share the details of all vulnerable points and machinery available with WAPDA for flood fighting.

10. Representative (H&R) WAPDA reported that out of 34 Telemetric Stations, 10 are functional. The installation of two new manual gauging stations in Mangla and Tarbela catchments has been completed. Representative (H&R) WAPDA was asked to share a map of existing telemetric system of WAPDA alongwith rainfall data report of new installed manual gauging stations with O/o CEA/CFFC.

11. Director General PDMA Punjab informed that thirty seven (37) Zamindara Bunds obstructing flood flows have been removed. No encroachments in Punjab's flood plains are obstructing flows, though around 6200 settlements housing about 1.8 million people exist in these areas. He suggested a resettlement plan for these settlements. PDMA Punjab was asked to submit FFC written details of actions taken for removal of encroachments alongwith GIS link for viewing population settlement within floodplain & location of removed/existing Zamindara Bunds.

12. Chief Engineer (South) KP Irrigation Department and the representative from the Balochistan Irrigation Department will share details of removed encroachments and no encroachment certificates with O/o CEA/CFFC. Deputy Director AJ&K Irrigation Department reported no encroachments in AJ&K's flood plains, except for some in nullahs. He will provide details and coordinates of these encroachments to O/o CEA/CFFC for verification by SUPARCO.



13. General Manager SUPARCO reported issues with data verification for removed encroachments, highlighting discrepancies in the coordinates provided by the Provincial Irrigation Departments of Punjab, Sindh, and Khyber Pakhtunkhwa. Chair instructed SUPARCO to send detailed reports of these discrepancies to the respective departments and to O/o CEA/CFFC for prompt resolution. Additionally, Provincial Irrigation Departments were advised to prioritize their support for SUPARCO in addressing these issues.

14. After detailed discussions, the following decisions were taken:

- i. WAPDA will provide:
 - a) Mangla and Tarbela Dam Authorities with instructions to make foolproof arrangements and ensure judicious dam filling as per SOPs and IRSA indents.
 - b) A Contingency Plan from 1-Corps Pak Army, including details of encroachments (Crush Plants) on a map downstream of Mangla Dam.
 - c) A Contingency Plan and details of the recently established Control Room at Kachhi Canal Project for effective coordination.
 - d) A Contingency Plan and details of ongoing restoration works of RBOD flood damages.
 - e) Details of vulnerable points and machinery for CRBC flood fighting.
 - f) A comprehensive map of the telemetric system (Manual + Telemetric) along with daily data of newly installed manual gauging stations.
 - ii. PDMA Punjab will submit written details of actions taken for the removal of encroachments, along with a GIS link for viewing population settlement within the floodplain and the location of removed/existing Zamindara Bunds.
 - iii. Provincial Irrigation Departments KP & Balochistan and Irrigation & Small Dams Organization AJ&K will provide details of removed encroachments and “no encroachment certificates” wherever applicable.
 - iv. SUPARCO will share discrepancies in already shared data of Irrigation Departments (Punjab, Sindh and Khyber Pakhtunkhwa) and O/o CEA/CFFC with these departments, and all the concerned will address the discrepancies promptly under intimation to O/o CEA/CFFC.
 - v. PMD will provide a comprehensive map of the existing nation-wide Weather Forecasting System.
 - vi. PMD will also share the comparison of Forecasted and actual rainfall during July 2024 on daily basis.
 - vii. All PIDs (Punjab, Sindh, KP & Balochistan)/FLAs (AJ&K, GB & WAPDA) will provide list of critical or vulnerable locations alongwith coordinates.
 - viii. Next monsoon review meeting will be held on August 12, 2024. In case of any abnormal flood situation, this will be held earlier then above date.
14. The meeting ended with a vote of thanks by the Chair.



LIST OF PARTICIPANTS-3rd MONSOON 2024 REVIEW MEETING-JULY 30, 2024

Federal Flood Commission, M/o Water Resources, Islamabad

1. Mr. Ahmed Kamal **In Chair**
Chief Engineering Advisor /
Chairman Federal Flood Commission
2. Dr. M. Ejaz Tanveer
Chief Engineer (Floods)
3. Mr. Muhammad Hanif Chachar
Principal River Engineer
4. Mr. Zafar Iqbal
Superintending Engineer (Floods)
5. Mr. Sibite Hassan
Assistant Engineer (F-III)
6. Mr. Yawar Rasheed
Assistant Engineer (F-IV)

ONLINE PARTICIPANTS

SUPARCO, Islamabad

7. Mr. Muhammad Ibrahim
General Manager

Federal Flood Division (PMD), Lahore

8. Mr. Shahid Abbas
Chief Meteorologist

Water & Power Development Authority (WAPDA)

9. Mr. Tanveer Ahmed Shaikh
PD (H&R)
10. Mr. Ali Haider
Superintending Engineer
Tarbela Dam Project
11. Mr. Abdul Majid
Director
Diamir Bhasa Dam
12. Syed Faizan Haider
Superintending Engineer (Hydrology)
Mangla Dam organization

13. Mr. Asif Inayat
Superintending Engineer
Chashma Right Bank Canal

14. Mr. Israr Ahmed
Superintending Engineer
Kachhi Canal Project

15. Mr. Sajjad Abro
Chief Engineer WAPDA
RBOD-I & III

16. Abdul Rehman Sheikh
Project Director
Hub Dam

Irrigation Department, Govt. of the Punjab, Lahore

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

Irrigation Department, Govt. of Sindh, Karachi

18. Mr. Sajid Ali Bhutto
Chief Engineer, Barrages Management Unit

Irrigation Department, Govt. of Khyber Pakhtunkhwa, Peshawar

19. Mr. Walayat
Chief Engineer, South

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

20. Mr. Waqar Ahmed
Deputy Director

Provincial Disaster Management Authority (Punjab), Lahore

21. Mr. Muhammad Irfan Ali
Director General

Provincial Disaster Management Authority (KPK), Peshawar

22. Mr. Sahibzad Saleem
Deputy Director

Provincial Disaster Management Authority (Balochistan), Quetta

23. Mr. Asghar Jamali
Deputy Director

WASA Rawalpindi

24. Mr. Aziz Ullah
Director