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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, July 19, 2024

Sub: **MINUTES OF 2nd ONLINE MEETING OF THE FEDERAL FLOOD COMMISSION
TO REVIEW PREPAREDNESS FOR MONSOON SEASON 2024, HELD ON 15TH
JULY 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 15th July 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


(M. Hanif Chachar)
Principal River Engineer
Ph: 051-9212371
19/7/24

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

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

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.

Sub: MINUTES OF “2ND MONSOON 2024 REVIEW MEETING – JULY 15, 2024”

The 2nd Monsoon Season 2024 on-line meeting of Federal Flood Commission (FFC) was held on 15th July 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 Annex-I and list of attendees as Annex –II.

2. The meeting started with recitation from the Holy Quran. The Chair welcomed the participants, noting that during the 59th Annual Meeting of the FFC on June 10, 2024, it was decided to hold bi-weekly meetings throughout the Monsoon Season 2024. He mentioned that this meeting followed up on the last meeting held on July 4, 2024, to review progress on its decisions. Despite heavy rain forecasts by the PMD for the first and second weeks of July 2024, minimal rainfall occurred, contrary to the alarming situation initially expected. High flood forecasts at certain riverine stations also resulted in only some rainfall in a few cities. The PMD was asked to explain this matter. Stakeholders were also requested to report progress on their respective Contingency Plans. He then gave floor to Chief Engineer (Floods), O/o CEA/CFFC to start the proceedings.

3. Chief Engineer (Floods) informed the forum that the FFC had received contingency and flood fighting plans from Provincial Irrigation Departments (Punjab, Sindh, Khyber Pakhtunkhwa, and Balochistan), including details of flood works funded by the Federal, ADP and donors, as well as updates on 2022 flood damage restoration works. WAPDA also shared contingency plans for some projects and information on works executed through various sources. He highlighted that during a recent Senate Standing Committee on Water Resources meeting, the chair of the committee requested latest status of existing and removed encroachments within floodplain waterways, nullahs, and bunds/structures along with their coordinates. Verification from SUPARCO was also requested. The FFC had asked Provincial Irrigation Departments, Federal Line Agencies, and Provincial Disaster Management Authorities to provide this information. However, no substantial response had been received yet. He requested all PIDs/FLAs/PDMAs to furnish complete details district-wise/river reach-wise in a summarized format by 19th July 2024 for the forthcoming Senate Standing Committee on Water Resources meeting. He then asked the PMD representative to brief on the weather scenario.

4. PMD/FFD Lahore representative reported no significant deviations in the Arabian Sea or Bay of Bengal. There was no threat of riverine floods in the next 8-10 days, although some scattered rains might occur due to the Westerlies. Regarding Hill Torrents in D.G. Khan & Rajanpur areas, the system was weak, and no high-level flooding was expected in the next 7-10 days. The possibility of Urban Flooding in major cities such as Rawalpindi, Gujranwala, Lahore and Karachi was minimal, with some rain chances in Rawalpindi & Gujranwala Divisions.

5. The chair asked the PMD representative to provide details on the rainfall during the first two weeks of July 2024. The PMD representative reported that overall, Pakistan had received 9% above-normal rainfall, with Punjab at 57% above normal, GB at 51% below normal, AJ&K at 40% below normal, Sindh at 71% below normal, and Balochistan at 10% above normal.

6. Chief Engineer (Irrigation) Larkana Region, Sindh, mentioned that water from Hill Torrents of Jhal Magsi typically impacted their irrigation infrastructure. He inquired about expected rainfall in Jhal Magsi Hill Torrents, and the FFD representative indicated minimal rainfall in the next 7-10 days.



7. Chief Engineer (Floods) briefed the house that already submitted details of encroachment removed from PID Punjab & Sindh were shared with SUPARCO for verification. He requested the representative of SUPARCO to share updates on the verification of encroachments removal. SUPARCO's representative said that they needed date of action from PIDs for verifications. All the PIDs/ FLAs were requested to share details of encroachments removal with SUPARCO including their coordinates & date of action for verification so that the same may be presented in the forthcoming meeting of Senate Standing committee on Water Resources.

8. PDMA Balochistan representative reported that a committee under the Senior Member Board of Revenue had been formed to address encroachments, and letters were issued to all DCs for details submission. The same would be shared with the FFC once received.

9. Superintending Engineer Headquarter, PID K.P told that they were conducting encroachment removal activity from the waterway. He said that encroachments at rivers in Swat & Bahrain had been removed. He was requested to share details of existing and removed encroachments, including coordinates with FFC by 19th July 2024.

10. The representative of PID Sindh informed that there were no encroachments in the river plains in Sindh. In that regard, he said, certificates from Chief Engineers concerned had been received. He was requested to share certificates regarding encroachments removal with FFC. Moreover, details of existing and removed encroachments containing coordinates be shared with FFC in summary format by 19th July 2024

11. Chief Engineer, Sukkur Barrage, Sindh updated on the Sukkur Barrage rehabilitation works, including the installation of the upper portion of Gate No. 47 and restoration of the Caisson gate. Work on Gate No. 47 was ongoing and expected to complete in 3-4 days. On query regarding Barrage safety, he told that a study was conducted in 2018 wherein it was recommended to replace the gates of the Barrage. He added that under World Bank funded project "Sindh Barrages Improvement Project" work on the replacement of the gates of the Sukkur Barrage was ongoing. Once all gates are replaced, the Barrage's life will be extended.

12. General Manager (South) WAPDA informed that WAPDA had completed RBOD-I & III in 2021. In 2022 Flood, damages had occurred to the drains at several locations. PC-I for its restoration was under process. He suggested that PID Sindh/ Sindh Govt. should take up the project in their Sindh Flood Resilience Project. Responding to a query regarding Contingency Plan for RBOD-I & III in case of high flows, he responded that they did not have required staff, machinery & resources to tackle/ cope with any flood eventuality.

13. The Chief Engineer, Right Bank Larkana Circle, Sindh, commented that the system of RBOD-I and III is managed by WAPDA, making WAPDA responsible for its upkeep. The Chair advised PID Sindh to check the latest decision of the CDWP meeting with the Chief (Water), Planning Commission. He mentioned that an official note (U.O. Note) from FFC would be issued to Ministry of Water Resources regarding this matter and that communication would also be made with the relevant higher authorities of WAPDA to provide necessary funds and resources for managing RBOD-I and III during Monsoon 2024. It was also decided that WAPDA and PID Sindh would prepare a contingency plan to protect RBOD-I and III from potential floods. In addition to this, the chair advised both departments to share all the communication made so far with FFC to seek a viable solution of the issue.



14. Chief Engineer (D&F), PID Punjab stated that encroachment removal is an ongoing activity throughout the year. . He was requested to provide a summary of the existing and removed encroachments, including their coordinates, to FFC by July 19, 2024.

15. Representative of PDMA, Punjab highlighted that the Punjab Flood Plains Management Act 2016 does not mandate their involvement in encroachment removal from flood plains. Their role is limited to rescue and relief when floodwaters affect populated areas. However, they are coordinating with District Administration for encroachment removal on higher office advice. He was asked to provide a summary of removed encroachments. Regarding the Shahdara Breaching Section at River Ravi, he mentioned that a high-powered committee was proposed but not yet notified. FFC representative emphasized the need for a viable Contingency Plan for the Shahdara Breaching Section.

16. The representative of Kachhi Canal, WAPDA reported that 129 breaches had occurred in the canal during the 2022 floods. Although the restoration plan (PC-I) was approved in July 2022, funds have not been released, preventing the award of tenders for execution. A revised PC-I was submitted to MoWR in 2024. In response to a query regarding the contingency plan for the Kachhi Canal Project, it was informed that coordination with the District Administration and PDMA Punjab is ongoing, but resources for flood fighting are lacking. PDMA Punjab was advised to expedite the contingency plan for addressing the 2022 damages to the Kachhi Canal Project in preparation for the Monsoon Season 2024. The Chair desired that a meeting be called with Member (Water) WAPDA & other stakeholders in 4th Week of **July 2024** to discuss the pending issues of CRBC, Kachhi Canal, RBOD-I & III etc.

17. The representative of SDMA, AJ&K informed that all Deputy Commissioners have been tasked with identifying and removing encroachments in waterways. The representative was advised to provide FFC with details of existing and removed encroachments, including de-silting activities, by July 19, 2024.

18. The representative of GB-DMA informed that there is no existing law for encroachment removal in Gilgit-Baltistan. However, a recent Act by GB-DMA designates this responsibility to the Irrigation Department. The representative of the Irrigation & Water Management Department reported no cases of encroachments and was advised to confirm this in writing to FFC by July 19, 2024.

19. The representative of Tarbela Dam Project, WAPDA informed that flows were normal U/S & D/S of the Tarbela station. He was advised to share spillway operation letter/ notification with FFC. The representative of Mangla Dam Organization, WAPDA informed that coordination with Deputy Commissioner Jhelum, Pak Army, and PDMA Punjab is ongoing for encroachment removal. The main issue is the presence of crush plants on the banks of the Jhelum River. He was asked to provide FFC with written details of encroachments and a contingency plan for high flows in Barkas Nullah by July 19, 2024.

20. The representative of IRSA confirmed that water allocations are being released to provinces as required. Efforts are being made to ensure Balochistan receives its required water share despite issues with Sukkur Barrage Gates.

21. The representative of Mohmand Dam Project, WAPDA reported that the flows in River Swat were normal and the Contingency Plan has been shared with FFC. Representative of Diamer Basha Dam Project, WAPDA informed that the contingency plan is in process and will



be shared with FFC once completed. He was asked to ensure the plan is shared with FFC. Representative of Dasu HPP, WAPDA informed that the contingency plan has been submitted to FFC and continuous monitoring of the structures is ongoing. Representative of Hub Dam Project informed that the dam's water level is currently at 323.45 feet amsl, with a maximum conservation level of 339 feet amsl. There have been no inflows. He was asked to share the contingency plan with FFC.

22. Chief Engineer (H&WM), WAPDA informed that the flood telemetry stations remain out of order due to a lack of spare parts. Level sensors could not be installed due to high flows but will be installed during low flows. He was asked to submit in writing whether the non-functional FFT stations will impact the 2024 monsoon season and to provide progress on the installation of manual gauge stations in Mangla and Tarbela catchments.

23. The representative of WASA Rawalpindi informed that PKR 50 million grant from the Punjab Government was received, and critical reaches have been cleared. Machinery is on standby, and gauges are functional. The representative was asked to provide details of the tributaries of Lai Nullah in the Rawalpindi region and mentioned coordination with the Cantonment Board for downstream clearance of Lai Nullah.

24. The Chair regretted the absence of the representatives of PID Balochistan, PCIW, Pak-Railways and National Highway Authority at FFC's on-line meetings.

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

- i. All the PIDs/ FLAs will share details of encroachments removed from the Flood Plain with SUPARCO including their coordinates & date of removal thereof.
- ii. PIDs/PDMAs will share report on the encroachments in the flood plain of River/stream/Nullah containing details about No. of encroachment, locations with FFC latest by **July 19, 2024**, so that the same could be submitted to Senate Standing Committee on Water Resources.
- iii. PID Sindh will share Certificates regarding removal of encroachments within the Flood plains with FFC at the earliest.
- iv. FFC would issue direction/ communication to relevant higher authorities of WAPDA for providing necessary funds/ resources for managing RBOD-I & III during Monsoon-2024.
- v. WAPDA & PID Sindh would prepare Contingency Plan for protection of RBOD-I & III from potential floods during the current Monsoon Season-2024.
- vi. FFC will convene meeting with Member (Water), WAPDA & other stakeholders in 4th week of **July 2024** to discuss the pending issues of CRBC, Kachhi Canal, RBOD-I & III etc.
- vii. Mangla Dam Organization, WAPDA will share the details of encroachments at Jhelum River downstream of Mangla Dam with FFC as well as contingency plan submitted by Engineer 1-Corps for management of high flows in Barkas Nullah.

- viii. Chief Engineer (H&WM), WAPDA will submit the impact of dysfunctional FFT stations on the Flood Early warning during Monsoon 2024, besides early repair of the dysfunctional FFT.
 - ix. WASA Rawalpindi will share details of tributaries of Lai Nullah in Rawalpindi Region including the cleaning status of each nullah in order to safely pass the likely floods in the current Monsoon Season.
 - x. SUPARCO will submit a report to FFC by **19th July 2024**, addressing the following points:
 - a. Provide detailed and up-to-date data on encroachments within the designed flood plains, including the nature and extent of these encroachments.
 - b. Assist FFC in visualizing these encroachments overlaid on the inundation map to better understand their impact relative to Low, Medium & High Flood Levels.
 - c. Punjab and Sindh Provincial Irrigation Departments (PIDs) will assist SUPARCO in verifying the removal of encroachments, including their coordinates and date of action, as per the data provided by these departments. SUPARCO will then furnish a comprehensive report to FFC.
 - xi. Next online meeting to review the status of preparedness will be held in the **4th week of July 2024**.
26. The meeting ended with a vote of thanks by the Chair.

LIST OF PARTICIPANTS-2nd MONSOON 2024 REVIEW MEETING-JULY 15, 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. Sibite Hassan
Assistant Engineer (F-III)
5. Mr. Yawar Rasheed
Assistant Engineer (F-IV)

ONLINE PARTICIPANTS

Water Resources, Planning Commission, Islamabad

6. Engr. Ishtiaq Alam
Assistant Commissioner
7. Mr. Muhammad Umar Khan Niazi
Research Officer-II

SUPARCO, Islamabad

8. Mr. Muhammad Ibrahim
General Manager

IRSA, Islamabad

9. Mr. Jalil Ahmed Soomro
Senior Engineer (Operations)

Federal Flood Division (PMD), Lahore

10. Mr. Shahid Abbas
Chief Meteorologist

Water & Power Development Authority (WAPDA)

11. Mr. Ijaz Hussain Memon
Chief Engineer
Hydrology & Water Management

12. Mr. Amir Mughal
GM (Projects) South, WAPDA
13. Mr. Ali Haider
Superintending Engineer
Tarbela Dam Project
14. Mr. Abdul Majid
Director
Diamir Bhasa Dam
15. Syed Faizan Haider
Superintending Engineer (Hydrology)
Mangla Dam organizations
16. Mr. Babar Ali
Director
Kacchi Canal Project
17. Mr. Amir Sheikh
Director
Chashma Right Bank Canal
18. Mr. Imran Tariq
Director
Dasu Hydropower Project
19. Mr. Ansar Raza
Director Civil
Mohmand Dam Project
20. Mr. Sajjad Abro
Director
RBOD-I & III
21. Abdul Rehman Sheikh
PD, Hub Dam

Irrigation Department, Govt. of the Punjab, Lahore

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

Irrigation Department, Govt. of Sindh, Karachi

23. Mr. Sajid Ali Bhutto
Chief Engineer, Barrages Management Unit
24. Mukhtiar Ahmed Abro
Chief Engineer, Sukkur Barrage Right Bank
25. Mr. Mansoor Memon
Chief Engineer, Sukkur Barrage Left Bank

26. Mr. Shah Nawaz Bhutto
Director, Left Bank Canals Area Water Board

27. Zaheer Ahmed Memon
Superintending Engineer, Rohi Canal

Irrigation Department, Govt. of Khyber Pakhtunkhwa, Peshawar

28. Mr. Anwar Kamal
Chief Engineer, HQ

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

29. Mr. Aijaz Khawaja
Director General

Provincial Disaster Management Authority (Punjab), Lahore

30. Mr. Nisar Ahmed Sani
Director Operations

31. Mr. Zaheer Liaqat
Director Coordination

Provincial Disaster Management Authority (KPK), Peshawar

32. Mr. Sahibzad Saleem
Deputy Director

Provincial Disaster Management Authority (Balochistan), Quetta

33. Mr. Asghar Jamali
Deputy Director

State Disaster Management Authority (AJ&K), Muzaffarabad

34. Mr. Saeed- ur- Rehman Qureshi
Director Operations

Water Management & Irrigation Department, GB

35. Engr. Abdul Haseeb
Director

GHQ, Engineers Corps Army Branch Rawalpindi

36. Mr. Ghazanfar Ali
Major, Engineering Corps

WASA Rawalpindi

37. Mr. Aziz Ullah
Director

LIST OF ATTENDEES- 2ND MONSOON 2024 REVIEW MEETING-JULY 15, 2024

Sr.#	Organization	Participation	
1.	Irrigation Department Government of the Punjab, Lahore	Attended	-
2.	Irrigation Department Government of Sindh, Karachi	Attended	-
3.	Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar	Attended	-
4.	Irrigation Department Government of Balochistan, Quetta		Not Attended
5.	Irrigation & Small Dams Organization, Government of AJ&K, Muzaffarabad	Attended	-
6.	Water Management & Irrigation Department, Government of Gilgit-Baltistan, Gilgit	Attended	-
7.	WAPDA: 1. Hydrology & Water Management 2. Diamer Bhasa Dam Project 3. Dasu Hydropower Project 4. Tarbela Dam Project 5. Mangla Dam Project 6. Kachhi Canal Project 7. Chashma Right Bank Canal 8. Mohmand Dam Project 9. RBOD-I & III Project 10. Hub Dam Project	Attended	-
8.	Flood Forecasting Division (FFD), Lahore	Attended	
9.	Indus River System Authority (IRSA), Islamabad	Attended	
10.	Pakistan Commissioner for Indus Waters (PCIW), Islamabad	-	Not Attended
11.	Pakistan Railway, Lahore	-	Not Attended
12.	National Highway Authority (NHA), Islamabad	-	Not Attended
13.	SUPARCO, Islamabad	Attended	-
14.	National Disaster Management Authority (NDMA), Islamabad	-	Not Attended
15.	Provincial Disaster Management Authority (Punjab), Lahore	Attended	-
16.	Provincial Disaster Management Authority (Sindh), Karachi	-	Not Attended
17.	Provincial Disaster Management Authority (KPK), Peshawar	Attended	-
18.	Provincial Disaster Management Authority (Balochistan), Quetta	Attended	-
19.	G-B Disaster Management Authority (G-B), Gilgit	-	Not Attended
20.	State Disaster Management Authority AJ&K, Muzaffarabad	Attended	-
21.	GHQ, Engineers Corps Army Branch, Rawalpindi	Attended	-
22.	Water & Sanitation Agency (WASA), Rawalpindi	Attended	-

