

MOST IMMEDIATE
By Fax/ UMS/ E-Mail

Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor &
Chairman, Federal Flood Commission

No. FC-I (23)/2023

6-Ataturk Avenue, G-5/1,
Islamabad, the March 19, 2024

Sub: **MINUTES OF 1ST PRE-MONSOON 2024 MEETING OF FEDERAL FLOOD COMMISSION, HELD ON 4TH MARCH 2024 IN OFFICE OF THE CHIEF ENGINEERING ADVISER/ CHAIRMAN, FEDERAL FLOOD COMMISSION, ISLAMABAD**

Kindly find enclosed herewith a copy of minutes of the subject meeting held on 4th March 2024 in the Committee Room of Office of the Chief Engineering Adviser/ Chairman, Federal Flood Commission, Islamabad. All concerned organizations are requested to take action on the decisions reflected in the minutes and furnish compliance report to this office at the earliest.

2. This issues with the approval of Chief Engineering Adviser/ Chairman, Federal Flood Commission.

Encl: As above


(M. Hanif Chachar)
Principal River Engineer
Ph: 051-9212371
19/03/2024

Distribution:

1. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
2. Director General, Pakistan Meteorological Department, H-8, Islamabad.
3. Member (Infrastructure), Planning Commission, Islamabad.
4. Member (Water), WAPDA, WAPDA House, Lahore.
5. Chairman, Indus River System Authority, Islamabad.
6. Chief Executive Officer, Pakistan Railways, Lahore.
7. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
8. Chairman, National Highway Authority, Islamabad.
9. Director General (Engineer), Engineers Directorate, GHQ, Rawalpindi.
10. Joint Secretary (Water), Ministry of Water Resources, Islamabad.
11. Chief (Water Resources Section), Ministry of Planning, Development & Special Initiatives, 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, Irrigation & Water Management Department, Near MP Check Post, Helipad Road, Sonikot, Gilgit.
17. Secretary, Irrigation & Agriculture Department, Government of AJ&K, Muzaffarabad.
18. Director General (CC), Ministry of Climate Change, 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, Muzaffarabad.
25. General Manager (SUPARCO), Pakistan Space & Upper Atmosphere Research Commission SPARCENT, Near CDA Toll Plaza, Rawat, Islamabad.
26. Chief Meteorologist, Flood Forecasting Division, 46-Jail Road, Lahore.
27. Director General, Irrigation & Small Dams Organization, Government of AJ&K, Muzaffarabad.
28. General Manager (HRM), WAPDA House, Lahore.
29. General Manager, Tarbela Dam Project, Tarbela.
30. Chief Engineer, Mangla Dam Project, Mangla.
31. Chief Engineer, (H&WM) WAPDA, WAPDA House, Lahore.
32. Managing Director, WASA, Liaquat Bagh, Rawalpindi.
33. Chief Engineer, Merged Area, Irrigation Department, Peshawar.
34. Executive Director, Global Change Impact Studies Centre (GCISC).
35. Commissioner, Rawalpindi
36. Mr. Hazrat Rahman, Deputy Director-FBF, Pakistan Red Crescent, National Headquarters, Sector H-9, Islamabad (Cell # 0304-1030321)
37. Mr. Asif Khan Turangzai, Project Officer, ADB Pakistan Office, SBC, Islamabad.
38. Managing Director, WASA, Liaquat Bagh, Rawalpindi.
39. Metropolitan Commissioner, Karachi Metropolitan Cooperation, Civic Centre, Gulshan-e-Iqbal, Karachi.
40. Director General, Karachi Development Authority, 1st Floor, Civic Center, Gulshan-e-Iqbal, Karachi.

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.

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

Sub: **MINUTES OF 1st PRE-MONSOON 2024 MEETING OF FFC HELD ON 4TH MARCH 2024 IN O/o CEA/CFFC, MOWR, ISLAMABAD**

The 1st Pre-Monsoon 2024 meeting of Federal Flood Commission (FFC) was held on 4th March 2024 at 1000 hours in the Committee Room of Office of Chief Engineering Advisor & Chairman Federal Flood Commission, under the chairmanship of CEA/CFFC. List of participants is attached as **Annexure-I**.

2. The meeting started with recitation from the Holy Quran. The Chair welcomed the participants. He highlighted that purpose of the meeting was to take early stock of preparations required by all concerned federal and provincial departments for upcoming Monsoon Season 2024, especially in view of Climate Change impacts in the form of heavy/ torrential rains and subsequent flooding. He then asked Engineering Advisor (Civil), office of CEA/CFFC to start the proceedings.

3. Engineering Advisor (Civil), threw light on the agenda points and took up agenda item # 1 regarding review of implementation of the decision taken during the post monsoon 2023 meeting of FFC held on November 27, 2023. Engineering Advisor (Civil) then requested the representatives of PIDs to share their respective status/ brief with the House on flood damages restoration & rehabilitation works, besides their ADP funded flood related projects.

4. The **representative of PID Punjab** informed that flood protection scheme titled "Construction of J-Head Spur along left bank U/S Existing Stone Stud RD 13+000 of Khanwah Flood Bund, River Indus, District Muzaffargarh, D.G.Khan zone, estimated cost Rs 394.138 million", was being implemented under N/EFP. He added that 50% physical progress on the same had been achieved and was expected to be completed before 2024 Monsoon Season. He stated that nineteen (19) flood protection projects with estimated cost of Rs 27,700 Million were being implemented under their provincial ADP. Work on those schemes was ongoing and would be completed by June 2024. He stated that they were also executing four number flood protection schemes through NDRMF funding, which were also expected to be completed by June 2024. On a query, he informed that ongoing flood damages restoration works would be completed before start of the Monsoon Season 2024. The Chair advised the representative of PID Punjab to share progress with FFC on all the flood projects being implemented under N/EFP, ADP and NDRMF besides rehabilitation/ restoration works from any other source in the wake of 2022 & 2023-floods.

5. Regarding removal of encroachments, representative of PID, Punjab informed that all the Chief Engineers (Irrigation) had been advised to remove all the encroachments from Flood Plains/ High Flood Risk Zones, waterways of major, secondary and tertiary rivers including hill torrents/ flood flow generating nullahs, which were under the threat of flood water and causing hindrance in flood flows. He ensured that removal of all such encroachments would be completed before coming Monsoon Season. He also informed that 76 number flood damages had occurred to infrastructure of Punjab Irrigation Department during 2023-flood season. All those damages had been repaired through the Provincial O&M funds.

6. The **representative of PID Sindh** informed the forum that flood protection scheme titled "Construction of Stone Pitching & Strengthening Earthwork along S.M.Bund mile 38/2 to 40/0, 42/0

to 42/5 and Stone Apron 41/5 to 42/5 (Dad Wah) estimated cost Rs 254.160 million” was being executed under N/EFP with 95% physical progress. He added that there were also fourteen (14) number schemes under execution through provincial ADP 2023-24. Apart from those, six (06) number flood protection schemes were on-going through 100% grant from National Disaster Risk Management Fund. He stated that those flood protection schemes were expected to be completed before Monsoon 2024, subject to availability of funds. Regarding restoration of 2022-flood damages, he informed that all the breaches occurred during 2022 floods had been plugged. He said that foreign funded project with an estimated cost of Rs 48.327 billion (World Bank Financed Sindh Flood Emergency Rehabilitation Project) was being implemented/ executed by PID Sindh. Its overall Physical Progress was 86% and financial progress was 79%. The Chair advised the representative of PID Sindh to share progress with FFC on all the flood projects being implemented under N/EFP, ADP and NDRMF besides rehabilitation/ restoration works finance from any other source in the wake of 2022 & 2023-floods.

7. On a query from the Chair regarding River Act, PID Sindh’s representative apprised that Sindh Water Policy had been approved by the Sindh Government and notified by Irrigation Department on 16th August 2023. He further stated that legal framework in connection with removal of encroachments and other activities in River and Natural Dhoras had been covered in Sindh Water Policy through amalgamation of Irrigation Act 1879 and SWMO-2002. He further informed that a clause for flood plains management/ encroachments removal had been incorporated in Sindh Water Policy and no separate river act had been promulgated. Also, all the Chief Engineers (Irrigation) had been advised to execute removal of encroachments, if any, in line with SWP’s. The Chair opined that a separate River Act would be required to implement the relevant policy actions described in the SWP for management of rivers and their flood plains. He also advised him to share a copy of Sindh Water Policy (SWP) with FFC.

8. The **representative of PID Khyber Pakhtunkhwa** informed that thirty one (31) flood protection schemes were under implementation through ADP 2023-24. He explained that in those schemes, emphasis had been laid on critical reaches which remained under threat during 2022 floods. He told that a total budget of Rs 700 million had been allocated by KP Govt. for OM&R activities. Approximately Rs 157.676 million would be utilized for the repair and maintenance of flood protection works and for the clearance of notified drains. He continued that an ADB funded project for reconstruction and rehabilitation of irrigation and flood protection infrastructure at a cost of Rs 12.118 billion was being carried out by Irrigation Department KP. With regards to removal of encroachments, he opined that encroachment removal was an ongoing process. In that regard, several anti- encroachment campaigns had been carried out successfully with the assistance of district administrations concerned. He said that field formations were operating under strict instructions to ensure removal of encroachments. The Chair advised the representative of PID Khyber Pakhtunkhwa to share progress with FFC on all the flood projects being implemented under N/EFP, ADP and NDRMF besides rehabilitation/ restoration works finance from any other source in the wake of 2022 & 2023-floods.

9. EA (Civil), Office of CEA/CFFC inquired from representative of PID Khyber Pakhtunkhwa regarding restoration of Munda Headworks. The representative of PID, KP apprised that WAPDA would execute restoration and modification work including construction of regulation pond under Mohmand Dam Project. E.A (Civil) also enquired about restoration of irrigation supplies from Munda Headworks. The representative of PID Khyber Pakhtunkhwa informed that complete restoration was not done as yet however 70-80% diversion had been restored.

10. The **representative of PID Balochistan** informed that their flood projects for financial year 2022-23 were ongoing however no new ADP projects were started due to the ban imposed by

Election Commission of Pakistan on new projects till holding of elections. He stated that 85 projects on 18 different river basins of Balochistan had been completed. He told that there was one scheme under N/EFP (Duki Flood Protection Work) which was 80% complete. He further told that 29 flood protection schemes were proposed by PID Balochistan under FPSP-III, but the same had not been cleared from PDWP Balochistan due to Election Commission of Pakistan's ban.

11. Regarding approval of provincial Water Policy and River Act, PID Balochistan representative apprised that drafts of Provincial Water Policy and River Act had been prepared and had been submitted to stakeholders for comments. After receiving comments from the stakeholders, it would be submitted to the Balochistan Cabinet for approval. He informed that the breaches caused to Pat Feeder Canal due to sheet flow had been closed. He stated that there was urgent need to manage sheet flows/ hill torrents flows. The Chair advised the representative of PID Balochistan to share progress with FFC on all the flood projects being implemented under N/EFP, ADP and NDRMF besides rehabilitation/ restoration works finance from any other source in the wake of 2022 & 2023-floods.

12. The **representative of AJ&K Irrigation Department** informed that they had submitted flood protection scheme titled "Construction of Flood Protection Structure at Khun Bandway along left bank of River Jehlum District Muzaffarabad" with Estimated Cost Rs. 54.640 million to FFC. It was presented in the meeting of DDWP held on 8th February 2023 after clearance from Federal Flood Commission's Scrutinizing Committee. The scheme was deferred in the DDWP for review/revisit of site. He further told that O&M funds were not available with them. The case for the provision of funds was initiated to Finance Department of AJ&K. The matter was pending after several reminders. The damaged flood protection structures would be rehabilitated after availability of O&M funds. It was decided that FFC will send a D.O. letter to Chief Secretary AJ&K for provision of O&M funds for 2022 & 2023-flood damage restoration projects.

13. Regarding River Act, representative of AJ&K, Irrigation Department apprised that Cabinet had approved draft Flood Plain Management Act 2022 and was now submitted for presenting in Legislative Assembly for its enactment. He continued that the matter regarding identification of encroachment sites had been submitted to AJ&K Revenue Department. The matter was under process. As soon as the details were received, the same would be shared with FFC & SUPARCO.

14. The **representative of Irrigation & Water Management Department, Gilgit-Baltistan** informed that the project titled "Rehabilitation of Flood Affected Irrigation Channel Head Works in G.B" had been approved by the G.B Departmental Development Working Party (GB-DDWP) on 9th March 2023 at a cost of Rs 199.000 Million. In that project, 113 schemes had been selected from all districts of G.B and work on the project was under progress. Moreover, he said, the local administration of G.B had imposed emergency in some areas in all districts of G.B where Floods-2022 devastated irrigation infrastructures. Furthermore, ninety eight (98) schemes had been selected for emergency works with a cost of Rs. 95.808 millions. He said that all the financing was being provided by G.B Government. He added that restoration of irrigation infrastructure damaged during floods-2022 was ongoing. The Chair advised to share list of all the ongoing flood protection and flood damages restoration works being executed by G.B Govt. alongwith status of progress and source of funding.

15. The representative of G.B further stated that Irrigation & Water Management, G.B was implementing GLOF-II Project for creating resilience to floods and climate change. In GLOF-II Project, sixteen (16) number valleys had been considered for creating resilience to floods and climate change in G.B. A total of one hundred sixty (160) schemes/works had been formulated. Work on 102 schemes had been completed whereas remaining 58 schemes were under implementation. G.B will

share latest progress report of the GLOF-II components with FFC, alongwith the list of works completed under GLOF-I project.

16. Regarding Draft River Act, the representative of G.B informed that the Draft River Act had been submitted to Cabinet Committee for Legislation and the said committee had sought some clarifications. The department of Water Management & Irrigation was following up the case for early approval of G.B River Act.

17. With reference to Agenda Item # 2 regarding restoration of flood damages, the **representative of Kachhi Canal Project, WAPDA** informed that restoration works for rehabilitation of Kachhi Canal had not started for want of funds. The representative of PD&SI Division informed that PC-I for restoration of Kachhi Canal was approved but the bids received were 50% higher than the approved cost. She further informed that the revised PC-I based bid cost had not reached PD&SI Division. Once it was received from MoWR, further necessary action would be taken. Kachhi Canal's representative informed that the revised PC-I already stood submitted to Ministry of Water Resources (MoWR) in December 2023. SE(F) informed that studies on the two hill torrents affecting Kachhi Canal were incorporated in FPSP-III, whereas feasibility on five hill torrents being carried by PID Punjab was underway. Regarding **Chashma Right Bank Canal Restoration Project, the representative of WAPDA** informed that all the restoration works under 5-packages had been completed. The canal bunds had been restored and it was operational. It was highlighted that the canal was still vulnerable to the hill torrents of Koh-e-Suleiman. He said that in order to protect the canal from floods of hill torrents, flood protection structures were needed but none of the irrigation departments (Punjab & KP) had provided funds for that purpose. It was apprised during the meeting that strengthening of flood bunds and construction of new spurs was needed at RD-382. PID KP's representative told that they had sent a request to their provincial Finance Department for the amount of Rs 25 million, but funds had not been received yet. It was decided that PID Punjab and KP would expedite arrangement funds for proposed flood works. Also, the process of handing & taking over of the canal would be expedited.

18. For briefing on Agenda Item # 3, representative of M/o Climate Change was not available to demonstrate status of other projects creating resilience to floods and climate change like; a) GLOF-II Project; (b) Billion Tree Tsunami Project; (c) Recharge Pakistan Project and; (d) Living Indus Initiatives. Because of non-availability of rep. of M/o Climate Change, it was decided that FFC will write letter to MOCC with the request to share requisite brief on the projects, alongwith current status.

19. Agenda Items # 4 & 5 have been covered by the respective agencies, while briefing on Agenda Items 1 & 2, from Paras 4 to 14 above.

20. While responding to Agenda Item No. 6, **the representative of WASA, Rawalpindi** informed that summary for approval of funds for dredging and desilting of Lai Nullah costing Rs 80 million had been forwarded to Punjab Cabinet for approval, which would hopefully be approved within two weeks. He added that once the funds are released, dredging and desilting of Lai Nullah would be carried out immediately. **The representative of Karachi Metropolitan Corporation** informed that last rains had damaged number of roads. Also KMC had undertaken/ initiated certain projects through ADB and their own sources at Gujjar Nullah, Mehmoodabad Nullah and Orangi Nullah. The Chair advised him to share progress/ brief with FFC on the status of works undertaken by them.

21. Briefing and discussions held with respect to Agenda Item No.7 has been described in the succeeding paras.

22. The **representative of PMD** informed that as per the seasonal outlook of March-April-May 2024, nearly normal rainfall was expected in most parts of the country. However, upper half of the country might get slightly above normal rainfall during the same period. He expressed that atmospheric conditions were suggestive for the likelihood of heat wave development during summer season; especially over plain areas of the country. He stated that PMD had a network of forty eight (48) Automatic Weather Stations in the country. On a query from EA (Civil) weather radars at Lahore and Mangla, PMD representative informed that they were working however their accuracy was compromised. He also apprised that work on Hydro-Met Services Project, funded by the World Bank, had been started and that would help improving weather forecasts.

23. Regarding current position of water availability in the reservoirs, the **representative of IRSA** informed that they were yet to make forecast for Kharif 2024 as their Technical Committee normally prepared forecasts at the end of March every year. He informed that 48,500 cusecs was received on 2nd March 2023 and 184,000 cusecs of water was received on 3rd and 4th March 2024 due to rains in the upper catchments. As a result, total impact of reservoirs storage was 0.194 MAF (at Tarbela Dam 0.037 MAF, at Chashma 0.040 MAF and at Mangla Dam 0.117 MAF). However, 15% shortage for Rabi Season persisted.

24. The **representative of Mangla Dam Organization, WAPDA** apprised that inflows at Mangla were received between 75,000 cusecs to 325,000 cusecs. When reservoir reached its MCL, inflows were made equal to outflows. Hazrat Umer, Advisor WAPDA opined that if they had advance information about the inflows/ rains and were sure that after depletion they would be able to replenish the reservoir, it could had been managed better. The Chair advised the representative of MDO to share their proposal for changes in the SOPs/ depletion criteria, if they intended so. The Chair also inquired from him about the status of encroachments downstream Mangla Dam. MDO's representative said that they were in coordination with PDMA Punjab and District Administration of Jhelum on the matter.

25. The **representative of Office of PCIW** informed that India had shared information/ data of extra-ordinary discharges only. He said that with the help of satellite imageries, forecast of discharges from eastern rivers could be done. He apprised that they were making efforts for the revival of 1989 Flood Agreement with the Indian side. He also told that they were expected to hold Indus Water Commission meeting during March 2024. He stated that the issue of interpretation of extraordinary discharges would be discussed with the ICIW during the forthcoming meeting.

26. Regarding **Shahdara Breaching Section**, the **representative of PID Punjab** stated that operation of Shahdara breaching section was not be advisable due to permanent settlements/ population along right side of the river. He informed that alternate contingency plan for safe passage of flood flows had been discussed with Chief Engineer (Irrigation), Lahore and the plan would be prepared soon and shared with FFC. With regards to Model Study for Ravi Urban Development Project, he said that the first study report had been issued to RUDA. The Chair advised PID Punjab to prepare alternate contingency plan for safe passage of flood flows before the commencement of Monsoon 2024 and share with FFC.

27. **In response Agenda Item No. 8**, regarding preparation of 2024 Contingency Plan by Pak Railways, the **representative of Pak Railways** informed that the PC-I for the construction of Left Guide Bund of Shershah Railway Bridge already stood approved. He added that the work was in progress and was being executed by the Punjab Irrigation Department. He stated that the total length of the proposed bund was 3,500 feet; so far 2,100 feet of length had been completed. The Chair advised to share progress report of all on-going flood damages restoration and protection projects. Representative of Pak Railways further stated that scouring had occurred at Kotri railway bridge and

PID Sindh had been assigned for emergent restoration works to save the structure through stone dumping and stone pitching. Pak Railways and PID Sindh would jointly decide further mechanism to conceive a comprehensive restoration project based on model study.

28. Engineering Advisor (Civil), O/o the CEA/CFFC highlighted that NHA had repeatedly been requested for participation in the Monsoon/ Flood related meetings of FFC. However, there had consistently been no representation from NHA. The Chair took serious note of the non-seriousness on part of NHA. It was decided that FFC will take up the matter with NHA as NHA is one of the members of FFC as per Notification No.3(22)/2015 dated July 09, 2015, issued by the then Ministry of Water & Power in pursuance to the orders of Honourable Supreme Court of Pakistan.

29. **While responding to Agenda Item No.9** regarding Contingency Planning, the **representative of NDMA** informed that formulation of Annual Disaster Management Plan was in progress. The Contingency Plan for Monsoon 2024 would be prepared by first of April 2024. Apart from that, provincial/ district level focal persons had been identified for proper coordination. He further told that their first pre-monsoon 2024 conference would be held on 30th April 2024. The second pre-monsoon 2024 conference was planned for 30th May 2024. The Chair asked him about their perception/ views on ENSO state of weather. NDMA's representative said that they had concerns about much less snow cover accumulated during 2023-24 winter which could start melting soon during the month of April-May 2024.

30. The **representative of PDMA Balochistan** informed that the housing authorities were blocking waterways and there was no coordination among relevant agencies. He stated that they were facing challenges/ issues of funding for executing their contingency plans.

31. The **representative of SDMA AJ&K** informed that the restocking of relief items at Division level was in the process. He further informed that SDMA with the help of Land Use Department AJ&K had land survey and prepare maps of identified encroachments in waterways and work their removal had been initiated. He further informed that road network where land sliding occurred had been identified and machinery had been deployed there. He continued that establishment of Building Control Authority in AJ&K had been proposed to the control the construction of building according to by laws and also check construction activities with waterway.

32. The **representative of PDMA KP** stated that three (03) plans were prepared annually as per practice i.e. (i) Heat wave Contingency Plan; (ii) Monsoon Contingency Plan; and (iii) Winter Contingency Plan. He continued that pre-monsoon flooding in KP was expected, accordingly preparation of Heat wave contingency plan was in process and would be shared with FFC as soon as it prepare.

33. The Chair in the end updated the house on the current status of updation of NFPP-IV, being updated by ADB consultants. He informed that a meeting on the matter was held on 20th February 2024 in PD&SI Division under the Chairmanship of Member (I&RC), Planning Commission to finalize revision of NFPP-IV. During the meeting, endorsement of the Updated NFPP-IV document by the provinces was also required before submission for seeking approval of CCI. The Chair stressed for swift action by the province once Updated NFPP-IV document is circulated for their endorsement.

34. After detailed discussions, following decisions were taken:

- i. PIDs/ FLAs to share progress with FFC on all the flood projects being implemented under Normal/Emergent Flood Program (N/EFP), their respective ADP, NDRMF and under any other

foreign funding (ADB, World Bank etc.), besides rehabilitation/ restoration works in the wake of 2022 & 2023-floods.

- ii. PIDs & FLAs to ensure complete rehabilitation of Flood-2022 breaches and damaged flood protection infrastructure well before the upcoming Monsoon-2024.
 - iii. FFC will write a D.O. letter to Chief Secretary AJ&K for early release of funds required for the restoration of flood damages and O&M of the existing flood protection infrastructure.
 - iv. PID Sindh to make efforts for promulgation of a separate River Act (other than Sindh Water Policy) for management of rivers and their flood plains in the context of encroachments and protection of Right of Way of River.
 - v. PID Sindh to share a copy of Sindh Water Policy with FFC.
 - vi. PID Balochistan would share with FFC the approved versions of Provincial Water Policy and River Act after their approval from the Balochistan Cabinet/ Competent Authority.
 - vii. FFC will write letter to MOCC&EC with the request to share requisite details on the current status of; a) GLOF-II Project; (b) Billion Tree Tsunami Project; (c) Recharge Pakistan Project and; (d) Living Indus Initiative.
 - viii. PIDs of Sindh & Balochistan and WAPDA in consultation with PDMAs of Sindh & Balochistan would make contingency plan for Kachhi Canal in anticipation of future torrential rains before the start of Monsoon 2024 and the same would be shared with FFC well in advance.
 - ix. PID Punjab & KP will arrange and release required funds to WAPDA for the repair of Chashma Right Bank Canal (CRBC) at the earliest. Status of the same will be shared with FFC.
 - x. The process of Handing Over & Taking Over of the CRBC Canal with WAPDA would be expedited and progress on the same would be shared with FFC.
 - xi. PID Punjab to prepare on an urgent basis alternate contingency plan for Shahdara Breaching Section for the safe passage of flood flows and will furnish the same to FFC before the commencement of Monsoon 2024.
 - xii. Pak Railways to ensure regular sharing of the status on the construction of Left Guide Bund of Shershah Railway Bridge with FFC till its completion.
 - xiii. Pak Railways and PID Sindh to jointly expedite carrying out of Model Study for Kotri Bridge and update FFC accordingly.
 - xiv. MD WASA, Rawalpindi to expedite the process of approval and funding arrangements by Provincial Government for dredging desilting of Lai Nullah. The desilting work be completed before start of Monsoon Season 2024.
35. The meeting ended with a vote of thanks by the Chair.

**LIST OF PARTICIPANTS OF 1ST PRE-MONSOON 2024 MEETING OF FFC HELD ON
4TH MARCH 2024 IN O/O CEA/CFFC, MOWR, ISLAMABAD**

Federal Flood Commission, Islamabad

1. Engr. Ahmed Kamal In Chair
Chief Engineering Advisor /
Chairman Federal Flood Commission
2. Engr. Ather Hameed
Engineering Adviser (Civil)
3. Mr. Muhammad Omer Rafique Malik
D.G (S&FM)
4. Engr. Muhammad Hanif Chachar
Principal River Engineer
5. Engr. Zafar Iqbal
Superintending Engineer (Floods)
6. Engr. Sibite Hassan
Assistant Engineer (Floods)

Ministry of Planning, Development & Special Initiatives, Islamabad

7. Miss. Ghazala Channar Online
Deputy Chief (Water Resources)

National Disaster Management Authority, Islamabad

8. Mr. Kazim Rahim
Manager (Operations)

Pakistan Meteorological Department, Islamabad

9. Mr. Ikram ud din
Chief Meteorologist
10. Mr. Zaheer Ahmed Babar
Director

Indus River System Authority, Islamabad

12. Mr. Muhammad Khalid Idrees Rana
Director (Operation)
13. Mr. Azam Khan
Assistant Research Officer

Office of Pakistan Commissioner for Indus Waters, Islamabad

14. Mr. Usman-e-Ghani
Additional Commissioner for Indus Waters

Water & Power Development Authority

15. Mr. Hazrat Umar
Advisor Online
16. Syed Kashif Ali Shah
GM/PD Kachi Canal Online
17. Mr. Aijaz Hussain Memon
Chief Engineer (H&WM)
18. Mr. Salaman Ali
SE/PD (CRBC)
19. Mr. Qaiser Iqbal Godal
Resident Engineer (Civil,
Mangla Dam Online
20. Mr. Muhammad Asif Umer
XEN CRBC

Pakistan Railways

21. Mr. Rizwan Javed
Deputy Chief Engineer (Bridges) Online

G.C.I.S.C

22. Mr. Shahbaz Mehmood
Head of Climate & Environment

Irrigation Department, Government of Punjab

23. Mr. Sultan Mahmood
Chief Engineer (D&F)
Drainage & Flood Zone

Irrigation Department, Government of Sindh

24. Mr. Sajid Ali Bhutto
Chief Engineer
Barrage Management Unit Online

Irrigation Department, Government of Khyber Pakhtunkhwa

25. Mr. Khalid Khattak
Superintending Engineer (HQ South)

Irrigation Department, Government of Balochistan

26. Mr. Sami Baloch
Provincial Coordinator (Water)

Irrigation & Small Dams, Government of AJ&K

27. Mr. Tahir Mumtaz
Director General

Irrigation & Water Management Department, Government of Gilgit Baltistan

28. Mr. Sher Jahan
Director (Water Management)

Provincial Disaster Management Authority (Punjab)

29. Mr. Nisar Ahmad Sani
Director (Operations)

Provincial Disaster Management Authority (KPK)

30. Mr. Sahibzada Saleem
Deputy Director (DRM)

Provincial Disaster Management Authority (Balochistan)

31. Mr. Zaheer Baloch
Director (Rescue)

WASA RAWALPINDI

32. Mr. Muhammad Sadoon Basra
Director (Sewerage)

KDA

33. Mr. Tariq Jameel
Superintending Engineer (Online)

KMC

34. Mr. Zulfiqar Ali Abro
Superintending Engineer

Office of DC RAWALPINDI

35. Mr. Waheed Sadiq
Assistant Commissioner

PRCS

36. Hazrat Rahman
Deputy Director (FbF)

GERMAN RED CROSS

37. Mr. Muhammad Atif Khan
Project Manager FbF/Anticipator/ Action