



PMD NEWS BULLETIN

PAKISTAN METEOROLOGICAL DEPARTMENT

April 2024 To June, 2024

Volume XXVII, Issue-V

WEATHER SUMMARY FOR THE PERIOD FROM APRIL TO JUNE 2024, AT M.O LAHORE :

Actual rainfall with departure from normal at Met. Office, Lahore Airport during the quarter is as under:

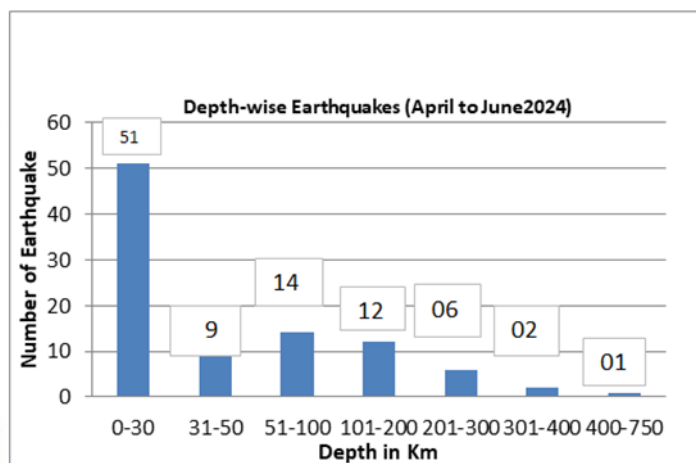
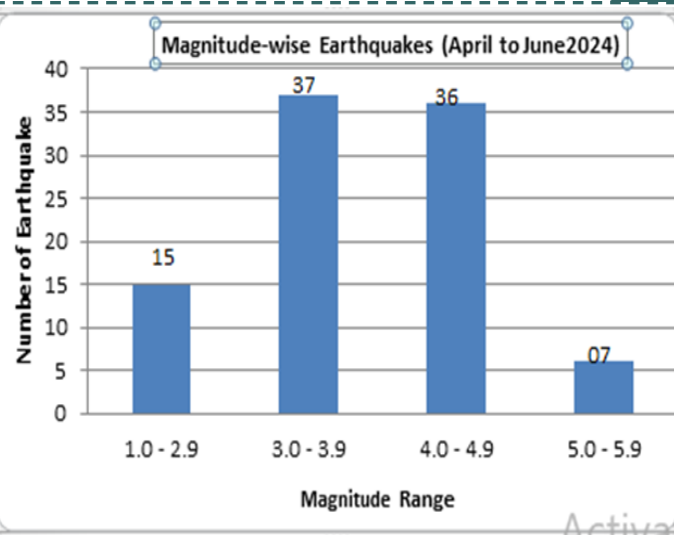
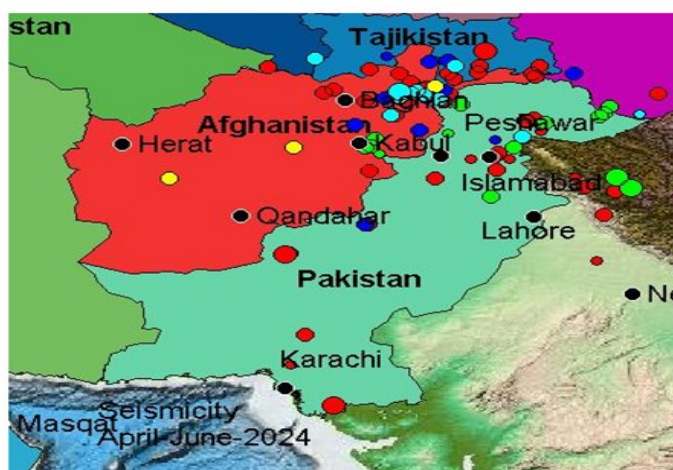
MONTHS	ACTUAL RAIN mm	DEPARTURE mm
April , 2024	35.6	+12.2
May, 2024	2.0	-15.7
June, 2024	39.2	-36.7

A maximum gust of 114 km/hr on 3rd June, 2024 was recorded at Met. Office, Lahore Airport..

The lowest minimum temperature 13.7°C was recorded at Met. Office, Lahore Airport on 30th April, 2024.

The maximum rainfall (in a day) 33.0 mm was recorded at Met. Office, Lahore Airport on 21st June, 2024.

National Seismic Monitoring and Tsunami Early Warning Center, Karachi



EARTHQUAKE REPORTS BY RMC PESHAWAR:

- A total number of 974 earthquakes were recorded by the Regional Seismic Monitoring Centre, Peshawar during the quarter.

OZONE LAYER:

Ozone layer monitoring continued regularly at ozone layer monitoring station, Quetta. No significant change has been observed over Pakistan during the quarter under review.

TOTAL NUMBER OF EARTHQUAKES RECORDED DURING THE QUARTER.	415
EARTHQUAKES LOCATED IN PAKISTAN NEIGHBORING REGION. (AS SHOWN IN PICTURE BELOW)	95

ACTIVITIES OF CHIEF METEOROLOGIST KARACHI.

Dr. Sarfaraz, Chief Meteorologist, Karachi:

- Participated in Sindh Climate Change Stakeholders Coordination meeting arranged by **Pakistan Red Crescent Society (SINDH)** on 19-04-2024 at Avari Hotel, Karachi.
- Attended (online) **28th South Asian Climate Outlook Forum (SASCOF-28)** on 29-30 April, 2024 and **Climate Services User Forum (CSUF)** of 1st May, 2024.
- Attended Commissioner Karachi's meeting regarding Heat Wave on 02-05-2024.
- Attended (on-line) UNESCO-IOC : Consultation with IOC Member States on the development of a Draft Strategy on Sustainable Ocean Planning and Management organization of on-line information sessions (23 and 24 May, 2024).
- Attended Event titled "Road to Climate Resilience Sindh - Key Challenges & Way forward" on June 04, 2024 at Hotel Movenpick Karachi arranged by Care International in Pakistan.
- Attended **Third Karachi Climate Festival** arranged with the collaboration of Frozan and Pakistan-US Alumni Network Karachi Chapter on 5 June, 2024.
- Attended as Panelist/Speaker on the launching of Report on **"Rights of people and state of Flood Rehabilitation in Sindh"** on 6 June, 2024 (Thursday) at 10:30 a.m. at **Mumtaz Hall, Mehran Hotel, Karachi** arranged by Sindh Human Rights Commission, Government of Sindh.
- Attended workshop on 11th June, 2024 at Marriot Hotel Karachi on monsoon predictions for 2024 organized by UNESCO for WASH Sector partners and relevant government line department on Humanitarian Preparedness and response.

PROGRESS OF IMG DURING APRIL, 2024 TO JUNE, 2024.

- Dr. Muhammad Hasan Ali Baig, Director (i) Participated in the symposium on renewable energy & sustainability (SRES) ,7-8 May,2024,Chinese memorial Auditorium University of Karachi.
- Dr. Muhammad Hasan Ali Baig, attended four days training workshop on managing public sector of Pakistan through perform appraisals 22 to 25 April 2024.
- The 6th PWO (ND) ADQUAL Course (for Pak Navy Personnel) was concluded on 16-05-2024.
- Students of different Govt. and Private Universities participated in internship program at IMG.
- Students of different public schools and Government organization visited this Institute. They were briefed about the functions and objectives of Pakistan Meteorological Department and shown Various Units of PMD.

FLOOD FORECASTING DIVISION LAHORE:

GENERAL:

- The flood Season 2024 started w.e.f 15th June 2024. During the flood season, the routine daily weather, Flood Forecast bulletins and significant warnings (as and when required) were periodically issued to various Governments, Semi Government departments, print and electronic media and focal persons to update them about the prevailing conditions of weather and floods across the country.

MEETINGS:

- Mr. Shahid Abbas, Chief Meteorologist has attended an online meeting titled “**SAHF: Hydrology Working Group Initiation Meeting**” on 23-04-2024.
- Chief Met. has participated in a roundtable discussion organized by IWMI with the titled of “**Transforming Hill Torrents, Urban and Rural Flooding into Economic Opportunities**” held at the office of IWMI, Lahore on 24-04-2024.
- Chief Met. has attended a meeting titled by “**2nd Pre Monsoon Meeting of FFC**” held at the office of FFC, Islamabad on 26-04-2024.
- Mr. Shahid Abbas, Chief Meteorologist has participated in online meeting of South Asia Hydromet Forum at FFD, Lahore with the title of “**7th RA II Hydrological Advisers Forum**” on 30-04-2024.
- Mr. Shahid Abbas, C.M has participated in a meeting “**Future Flood Forecasting**” with Mr. Abdul Hameed Mengal, Chairman, IRSA and Mr. Muhammad Khalid Idrees Rana, Secretary/ Director (Operation) on their visit to FFD, Lahore on 03-05-2024.
- Chief Met. has attended a meeting held at HQrs Engineer 4-Crops, Lahore “**Executive Board**

Meeting Army Pre-Flood Coordination Conference-2024” on 07-05-2024.

- Mr. Shahid Abbas, Chief Meteorologist has participated in online meeting with the title of “**Monsoon Outlook**” held by PDMA, Punjab on 10-05-2024.
- Chief Meteorologist has attended a workshop on “**Monsoon Anticipatory Contingency Planning**” on 16-05-2024 at National Agriculture Research Centre (NARC), Islamabad.
- Chief Meteorologist has attended a meeting with representatives of Pakistan Red Cross visited to Met. HQrs, Islamabad regarding “**Simplified Early Action Protocol (SEAP) for the Kabul River Basin**” held on 17-05-2024.
- Mr. Shahid Abbas, C.M has participated in conference hosted by Commandant, Mangla “**Formation Level Pre Flood Coordination Conference-2024**” held on 21-05-2024 at Sir Syed Auditorium, Mangla.
- Chief Met. Held a meeting with JICA consultants who visited FFD, regarding, “**The Project for Improving of Meteorological Observation, Weather Forecasting & Dissemination**” w.e.f. 26-05-2024 to 04-06-2024.
- Chief Meteorologist has attended a meeting “**Army Pre-Flood Coordination Conference -2024**” at GHQ, Rawalpindi on 06-06-2024.
- Mr. Shahid Abbas attended “**59th Annual Meeting of FFC to Review the Status of Preparedness for Monsoon Season-2024**” on 10-06-2024 at FFC, Islamabad.
- Chief Meteorologist has attended a meeting with WHH at Met. HQrs, Islamabad on 11-06-2024.
- Mr. Shahid Abbas, Chief Meteorologist has attended a meeting of PMDA “**2nd Meeting Regarding Flood Preparation Under the Chairmanship of Additional Chief Secretary, Punjab**” held at Punjab Civil Secretariat on 13-06-2024.

MISCELLANEOUS POINTS / MATTERS:

- Director General, PDMA, Punjab has visited to FFD, Lahore on 26-06-2024 for meeting with Chief Meteorologist and discussed forecast of monsoon season-2024.
- Brig. Suleman Malik, 4-Corp, Lahore has visited to FFD, Lahore on 27-06-2024 for meeting with Chief Meteorologist. The Chief Meteorologist gave presentation on forecast of monsoon season-2024.
- Director RMC Lahore Muhammad Aleem Ul Hassan visited Islamabad to attend the meeting with Section Officer (Met) on 06-05-2024 in connection with the possibilities of relocation of wind profiler as required by PCAA.
- Director RMC Lahore Muhammad Aleem Ul Hassan visited Multan from 24-05-2024 to 28-05-2024 for the inspection of civil work of residencies of staff at Multan Weather Radar site , internal audit of Multan and D.G. Khan Airports and visit of Layyah, Kot Addu and Bhakkar Meteorological Observatories.
- Dr. Muhammad Fahim Ahmed (D.D) attended a meeting regarding federal line department regarding preparation of monsoon contingency plan (MCP) 2024 on 04-04-2024 at Auditorium of PDMA Hayatabad Peshawar.
- Dr. Muhammad Fahim Ahmed (D.D) & Mr. Noor Kamal (A.M) attended the meeting regarding capacity building training on climate finance transparency on 11th June, 2024 at Serena Hotel Peshawar.
- Mr. Alam Zeb, Senior Meteorologist, attended the meeting regarding heat wave conditions prediction in Khyber Pakhtunkhwa during coming season on 23-04-2024 at Auditorium of PDMA Hayatabad Peshawar.
- Dr. Rana Muhammad Atif , Senior Meteorologist attended the WMO RA II Aeronautical Meteorology Webinar 2024 on 7th May 2024.
- Dr. Rana Muhammad Atif, Senior Meteorologist assisted the JICA expert team visits at FFD Lahore, RMC Lahore and Met. Office Lahore Airport respectively from 27th to 31st May 2024 regarding project for improving of Meteorological Observation, Weather Forecasting and Dissemination.
- Dr. Rana Muhammad Atif , Senior Meteorologist attended the ACWA Portal Workshop Event under the Transforming the Indus Basin With Climate Resilient Agriculture and Water Management Project in Lahore on 5th June 2024 at Aiwan-e-Iqbal Complex, Egerton Road Lahore organized by Food & Agriculture Organization of the United Nation(FAO) .
- Dr. Rana Muhammad Atif , Senior Meteorologist attended the meeting held between PMD and CAA representatives on 14-06-2024 at Directorate Office, Regional Met. Center 46-Jail Road Lahore to discuss the requirements regarding provision of Meteorological Services at Muridk Aerodrome.
- Dr. Rana Muhammad Atif , Senior Meteorologist has visited with CAA representatives to Muridke for site selection of new Muridke Met. Observatory on 28-06-2024.

R&D ISLAMABAD:

- **Dr. Muhammad Afzaal (Director)** Nominated as focal person of GLOF-II project on 23rd May, 2024.
- **Dr. Muhammad Afzaal (Director)** Presented JJAS outlook at SASCOF_28_update on 25th June, 2024.
- **Dr. Furrukh Bashir (Deputy Director)** Attended Pak-EPA public hearing of Environmental Impact Assessment (EIA) report of "Construction of 132 KV Grid station and its feeding transmission line at Cabinet Division Society", Islamabad on 25th April, 2024.
- **Dr. Furrukh Bashir (Deputy Director)** Attended Pak-EPA public hearing of Environmental Impact Assessment (EIA) report of "Construction of Citadel-7 building project, Jinnah Avenue, Blue Area, Islamabad on 30th April, 2024.
- **Mr. Sohail Babar Cheema (Meteorologist)**, Participated in Bilateral Technical Cooperation on Weather Early Warning between PMD and CMA to enhance CPEC Sustainability, 07-30 April 2024, Beijing, China.
- **Dr. Gohar Ali (Meteorologist)** Attended International training on "Nuclear Emergency Management System" from 06-08 May, 2024 at PIEAS, Islamabad, Pakistan.
- **Dr. Gohar Ali (Meteorologist)** Attended a seminar " Inaugural Session of the Third Pole Climate Forum (TPCF 1) and meeting of the Third Pole Regional Climate Centre Network (TPRCC-Network) Task Team", 4th – 6th June 2024, Lijiang, Yunnan Province, PR China.
- **Ms. Zeenat Yasmeen (Meteorologist)** attended "User Requirements for Space Based Atmospheric Aerosol Monitoring Payload" 10th May 2024, Online Virtual Conference, held by SUPARCO, Islamabad.
- **Ms. Zeenat Yasmeen (Meteorologist)** Attended "Strengthening Women's Resilience to Heat Stress in Asia and the Pacific,

15-05-2024, online Meeting, by ADB at PMD HQs, Islamabad.

Ms. Farah Ikram (Asstt Meteorologist) attended Attended Pak-EPA public hearing of Environmental Impact Assessment (EIA) report of "The Garden Residence Project, Sector F-10, Markaz, Islamabad on 18th April, 2024.

• **Mr. Abdullah Ahmed Awan (Met Asstt)** attended Pak-EPA public hearing of Environmental Impact Assessment (EIA) report of "Replacement of 54-inch existing conductance main from Rawal treatment plant to main water work of Sufaid Tanki, length 10.5 km, District Rawalpindi, on 11th June, 2024.

Mr. Abdullah Ahmed Awan (Met Asstt) Attended Pak-EPA public hearing of Environmental Impact Assessment (EIA) report of "Augmentation of Water Supply System in Khayaban-e-Sir Syed from Khanpur Dam and Creation of Dams, District Rawalpindi on 13th June, 2024.

Several students joined R&D from different universities including AIOU, University of Agriculture Faisalabad, IIUI, Punjab University, Bahria University, Arid Agriculture University, NUML, IST, NUSQUA, FJWU and UET Taxila for Paid and unpaid internship during the subject period.

JOINING/TRANSFER:**M/S:**

- Liaqat Ali, Asst. Programmer joined on 20-05-2024 on a/c of his transfer from FFD Lahore to M.O. Lahore.
- M. Shakeel Ahmad, Met. Assistant joined on 30-05-2024 on a/c of his transfer from RMC Lahore to Met. Obsy, Narowal.
- Muhammad Ashraf, Met. Assistant joined on 04-06-2024 on a/c of his transfer from Met. Obsy, Narowal to M.O. Sialkot.
- Sajid Hussain, Met. Assistant joined on 22-04-2024 on a/c of his transfer from Met. Obsy, Gwadar to PBO Bahawalnagar.
- Kamran Mushtaq, DEO joined on 08-04-2024 on a/c of his transfer from RMC, Karachi to RMC Lahore.
- Muhammad Somran, Sub. Engineer joined on a/c of his transfer from RMC, Karachi to RMC, Lahore.
- M. Javed Irshad, Sub. Engineer joined on 31-05-2024 on a/c of his transfer from RMC Quetta to RMC Lahore.
- Mian Tahir Akhtar, Sr. Observer joined on 15-04-2024 a/c of his transfer from IMG, Karachi to M.O. Multan.
- Shoukat Ullah, Sr. Observer joined on 05-06-2024 on a/c of his transfer from PBO Sialkot (FFD Lahore) to Met. Obsy, Bhakkar.
- Muhammad Adeel, Chowkidar joined on 03-06-2024 on a/c of his transfer from M.O. Lahore to Met. Obsy, Sheikhpura.

DEPARTURE ON TRANSFER:**M/S:**

- Dr. Dildar Kazmi, Sr. Meteorologist departed on 31-05-2024 on a/c of his transfer from RMC

Lahore to NAMC Islamabad.

- Mehwish Nadeem But, Sr. Meteorologist departed on 03-06-2024 on a/c of his transfer from RMC Lahore to Met. HQ. Islamabad.
- Muhammad Qamar, Asst. Programmer departed on 24-05-2024 on a/c of his transfer from RMC Lahore to Camp. Office, Karachi.
- Abu Bakar, Sr. Observer departed on 16-04-2024 on a/c of his transfer from Met. Obsy, Hafiz Abad to FFD Lahore.

JOINING ON DIRECT APPOINTMENT:**M/S:**

- Tasnim Anwar, Sub. Engineer, RMC Lahore departed on 09-05-2024 on a/c of his direct appointment as Assistant Electronic Engineer through FPSC at FFD Lahore.
- Ikram-Ul-Haq, Sub. Engineer, FFD Lahore joined as Assistant Electronic Engineer on 20-05-2024 on a/c of his direct appointment through FPSC at Met. Office Multan.

JOINING ON PROMOTION:**M/S:**

- M. Tanvir Satti, Sr. Observer joined on 31-05-2024 as Met. Assistant on a/c of his promotion-cum-transfer from Aeromet. Rawalakot to RMC Lahore.
- Muhammad Sharif, Sr. Observer joined on 24-05-2024 as Met. Assistant his promotion-cum-transfer from Met. Obsy, Kasur to RMC Lahore.
- Maqbool Ahmad, Sr. Observer joined on 29-05-2024 as Met. Assistant his promotion-cum-transfer from Met. Obsy, Okara to M.O. Multan.
- Imtiaz Ali, Sr. Observer joined on 27-05-2024 as Met. Assistant on a/c of his promotion at M.O. Faisalabad.
- Habib Ahmad, Sr. Observer joined on 30-05-2024 as Met. Assistant on a/c of his promotion at Met. Obsy, Kotli.

- Muhammad Asif, Sr. Observer joined on 31-05-2024 as Met. Assistant on a/c of his promotion-cum-transfer from M.O. Sialkot to Aeromet. Bahawalpur.
- Kamran Ahmad, Sr. Observer joined on 24-05-2024 as Met. Assistant on a/c of his promotion at RMC Lahore.
- Fahim Ahmad, Sr. Observer joined on 24-05-2024 as Met. Assistant on a/c of his promotion at RMC Lahore.
- Amir Afsar, Sr. Observer joined on 31-05-2024 as Met. Assistant on a/c of his promotion-cum-transfer from Met. Obsy, Chakwal to RMC Lahore.
- Altaf Rasool, Sr. Observer joined on 30-05-2024 as Met. Assistant on a/c of his promotion-cum-transfer from Met. Obsy, Sheikhupura to RMC Lahore.
- Muhammad Ilyas, Sr. Observer joined on 30-05-2024 as a Met. Assistant on a/c of his promotion-cum-transfer from Met. Obsy, Khanewal to RMC Lahore.
- Shahid Raza Khan, Sr. Observer joined on 31-05-2024 as Met. Assistant on a/c of his promotion-cum-transfer from Met. Obsy, Noorpur Thal to M.O. Multan.
- Rizwan Shahzad, Sr. Observer joined on 29-05-2024 as Met. Assistant on a/c of his promotion at Met Obsy, Noorpur Thal.

RETIREMENT:

M/S:

- Ilyas Masih, Sweeper, M.O. Lahore retired from Govt. Services on 18-05-2024 at the age of superannuation.

Pakistan Pre-Monsoon (AMJ) 2024 Rainfall:- **Highlights:**

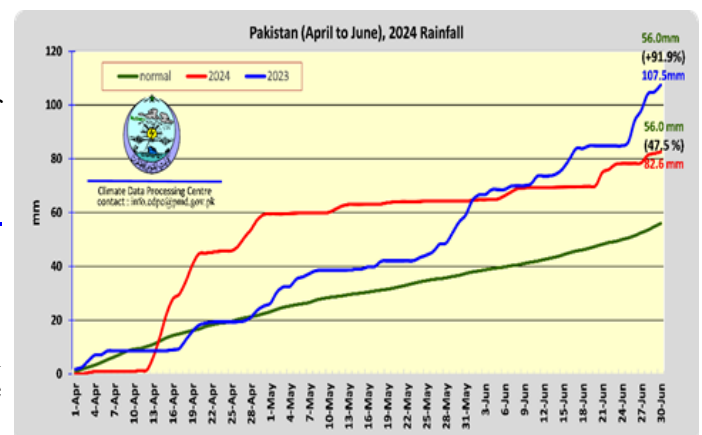
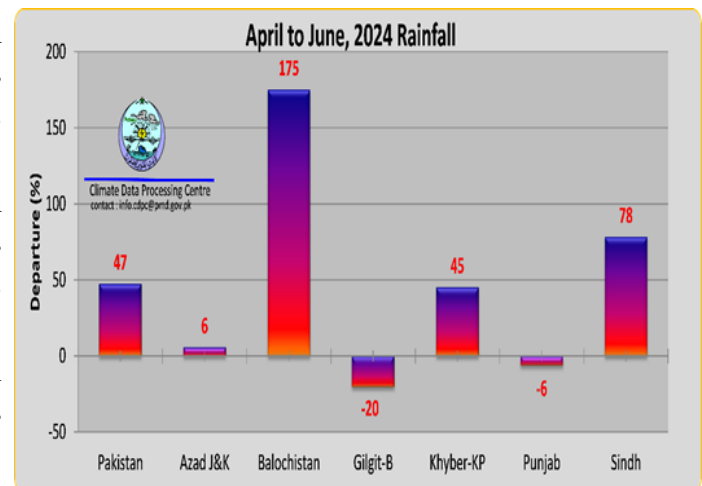
- During the period April to June 2024, the rainfall over the country as whole was 48% above average

and ranked 7th wettest season (the record is 111.1mm in 2007).

In April 2024, the rainfall over the country was excessively above average (+164%). During the month, the rainfall was exceptionally above average over Balochistan with (+437%), KP with (+137%), and AJ&K with (+102%). The Punjab with (+72%) and Sindh with (+65%) observed largely above average rainfall. The GB with (+13%) deviation was the only region to have slightly above average rainfall.

In the month of May 2024, the rainfall over the country was excessively below average (--66%). During the month all regions also exhibited largely below average rainfall.

In June 2024, the rainfall over the country was near average i.e. (-2%). During the month, the rainfall was also excessively above average over Sindh with (+134%), the regions GB with (+31%).



During the quarter April,2024 to June , 2024, following items were purchased as per available release , by I&P Section, Met. Complex, Karachi.

PURCHASES/REPAIR WERE MADE BY I&P SECTION:-

- Different stationery items were purchased and repair of Machinery Equipment/ Computer were made of total amount **Rs.758,670/-** during the quarter April 2024 to June 2024 on limited/ single quotation basis.
- Different computer equipment/machinery were repaired.

National Drought Monitoring & Early Warning Center:

Following activities were carried out at National Drought Monitoring and Early Warning Centre (NDMC), Islamabad during the quarter (April-2024 to June-2024).

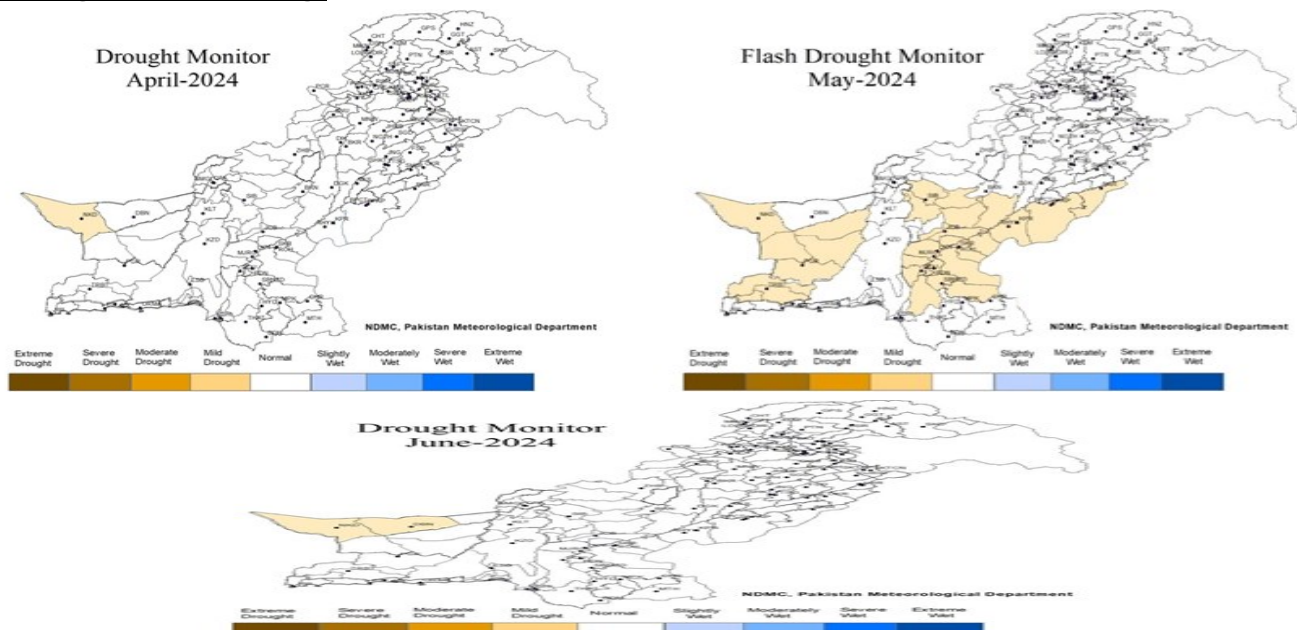
TECHNICAL MATTERS:

- Following Drought Bulletins were issued during the quarters.
- 13 Weekly Drought Bulletins
- 03 Monthly Drought Bulletins
- 01 Quarterly Drought Bulletins
- 03 Drought Monitors issued during the quarter from April,2024 to June, 2024 are attached herewith.

ADMINISTRATIVE MATTERS:

- Dr. Syed Faisal Saeed Director has taken the charge of (NDMC).
- Dr. Agha Babar Ali has taken the charge of Deputy Director (NDMC).

Drought Monitoring.



Pakistan Meteorological Department,

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