



PMD NEWS BULLETIN

Volume XVI, Issue-I

JANUARY TO MARCH 2017

PAKISTAN METEOROLOGICAL DEPARTMENT

QUATERLY WEATHER SUMMARY Pakistan's Winter (JFM) 2017 Rain- FOR THE PERIOD FROM (JANUARY fall Progress TO MARCH 2017):

Actual rainfall with departure from normal at Met. Of-
fice, Lahore Airport during the period from January
2017 to March 2017 is as under :-

MONTH	ACTUAL RAIN	DEPARTURE
JANUARY, 2017	80.8 mm	+56 mm
FEBRUARY, 2017	5.5 mm	-34 mm
MARCH, 2017	9.0 mm	-28 mm

Maximum wind of 64 km /hr on 25-01-2017 & 52Km/hr
on 10-03-2017 were recorded at Met. Office, Lahore Air-
port.

Heaviest rainfall 81.0 mm in a day was recorded by me-
teorological Observatory Kotli dated 27-1-2017.

(Contributed by R.M.C. Lahore / AIIAP Lahore)

QUATERLY WEATHER SUMMARY FOR THE PERIOD FROM JANUARY TO MARCH 2016-17:

JANUARY-2017:

There westerly low pressure waves passed across north-
ern parts of the country on 8th to 9th, 14th to 19th, 22nd,
31st. Local instability also accused some rainfall in Kash-
mir on 2nd, Makran on 20th, Quetta on 21th.

FEBRUARY-2017:

Four westerly low pressure wave passed across northern
parts of the country on 3rd to 6th, 8th to 9th, 15th to 22nd,
28th. Local instability also caused some rainfall in Gilgit-
Baltistan and Kashmir on 1st.

MARCH-2017:

Five westerly low pressure waves passed across northern
parts of the country on 1st to 3rd, 6th to 12th, 15th to 19th,
21st to 23rd and 31st. Local instability also caused some
rainfall in Gilgit-Baltistan on 13th and 24th

(Contributed by M.A.C Karachi)

Prepared by : Shujaat Ali Khan (Lab Attended)

Highlights:

During the winter (JFM) 2017, rainfall as a whole coun-
try, over Pakistan was recorded close to its **normal** value
(Fig-1). For this period, rainfall accumulation was above
normal over AJK, KPK & Punjab and below normal
over Balochistan, Sindh & GB (Fig-1).

For March 2017, **below** normal rainfall has been re-
corded all over the country (Fig-1).

January 2017 rainfall over country was exceptionally
above normal (Fig-2).

In February 2017, the country experiences **deficient**

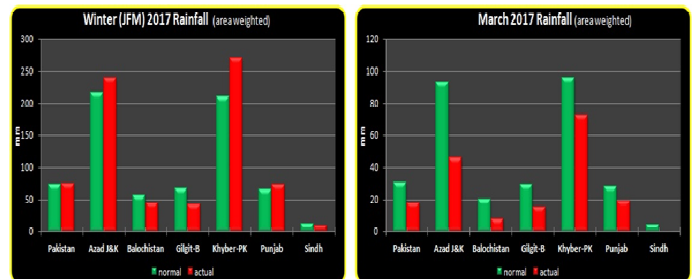


Fig-1: Country & provinces rainfall distribution (Winter & March 2017)

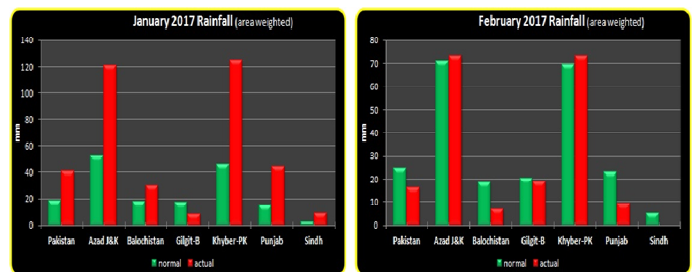


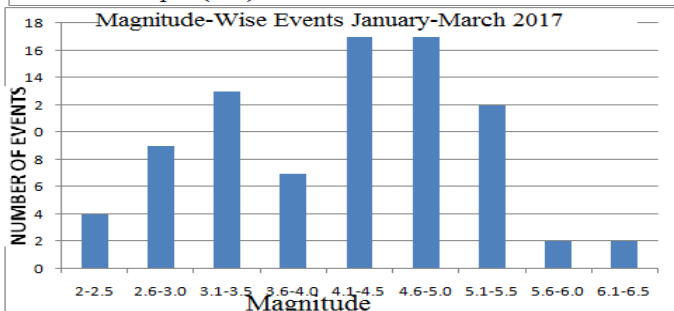
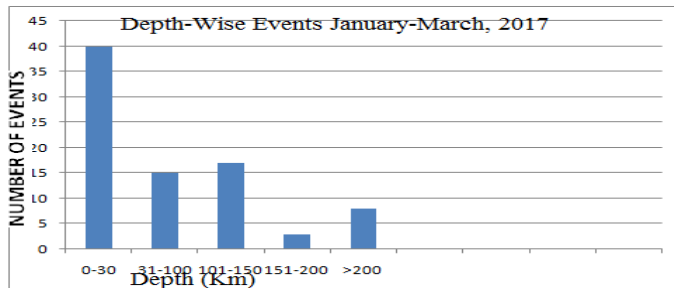
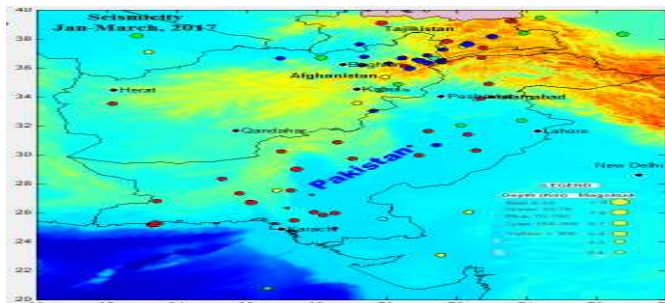
Fig-2: Country & provinces rainfall distribution (January & February 2017)
rainfall (Fig-2).

(Contributed by C.D.P.C Karachi)

National Seismic Monitoring & Tsunami Early Warning Center, Karachi:

EARTHQUAKES:

TOTAL NUMBER OF EARTHQUAKES RECORDED DURING THE QUARTER (January– March 2017)	404
NUMBER OF EARTHQUAKES LOCATED IN PAKISTAN / NEIGHBORING REGIONS (AS SHOWN IN THE PICTURE BLOW)	83



TSUNAMI: No earthquake having Potential to generate the tsunami was recorded during the quarter.

(Contributed by N.S.M.C Karachi)

OZONE LAYER

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

(Contributed by RMC, Quetta)

Prepared by : Shujaat Ali Khan (Lab Attended)

EARTHQUAKES:

A total number of 1092 earth quakes were recorded by the Seismological Network of Pakistan Meteorological Department, Regional Meteorological Centre Peshawar during the quarter (1st Jan to 31st March 2017).

(Contributed by RMC Peshawar)

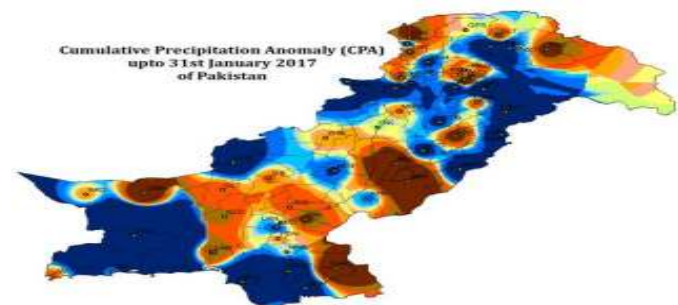
DROUGHT MONITORING:

New drought monitoring tools/techniques used by NDMC during this period whose maps are available on <http://www.ndmc.pmd.gov.pk/> are

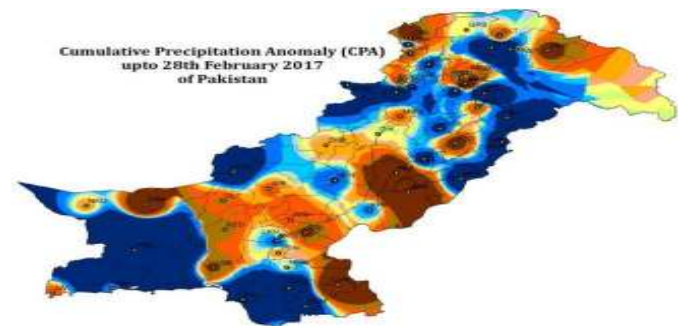
1. Cumulative Precipitation Anomaly (CPA).
2. Percent of Actual to Normal Rainfall.
3. Percentage Departure of Rainfall on 1,2,3,6&12 Month basis.
4. Soil Moisture Anomaly.
5. Normalized Difference Vegetation Index.
6. Land Surface Temperature.
7. Temperature Vegetation Dryness Index (TVDI).
8. Weekly Precipitation Outlook.

15 Maps are attached herewith.

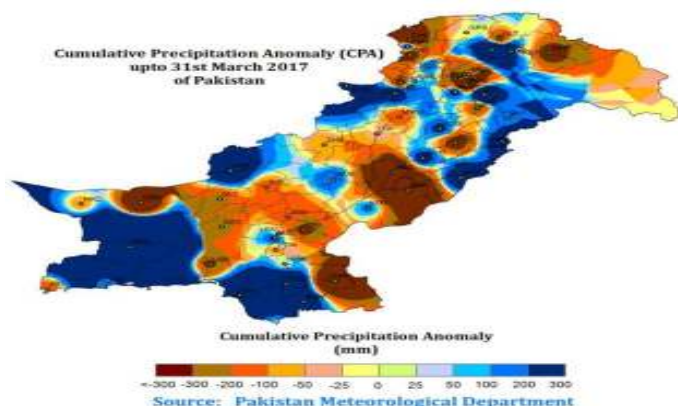
It is informed that during the quarter January to March, 2017 following contracts have been issued for the supply of different items.



Cumulative Precipitation Anomaly (CPA) upto 31st January 2017 of Pakistan
Source: Pakistan Meteorological Department



Cumulative Precipitation Anomaly (CPA) upto 28th February 2017 of Pakistan
Source: Pakistan Meteorological Department



(Contributed by NDMC Islamabad)

It is informed that during the quarter January to March, 2017 following contracts have been issued for the supply of different items .

S. No	Description of Stores	Quantity	Amount
1.	Office Stationery Items	Different	Rs.115,939/-
2.	Computer Continuous Sheets	50 Boxes	Rs.32,100/-
3.	Photostat Papers (Size:A4)	800 Reams	Rs.277600/-
4.	Workshop Materials	Different	Rs.441,442/-
5.	Thyrister	30 Nos.	Rs.57,000/-
6.	Ferrosilicon	3,000Kgs	Rs.480,000/-
7.	Caustic Soda Flakes	2,000Kgs	Rs.221,013/-
8.	Batteries	Different	Rs.576,786/-
9.	Up gradation of Radiosonding Ground station at F.F.D., Lahore.	--	Rs.4012,164/-

(Contributed by Met. I & P Karachi)

Prepared by : Shujaat Ali Khan (Lab Attended)

It is informed that requisite information of Quarterly News Bulletin (January to March, 2017) are as follows.

- Supplementary Grant of Rs. 42.100 million under Financial Assistance package to the families of deceased employees has been got approved from the Govt.
- Government has issued IBC of Rs. 1,079,287 million for financial year 2017-18 in respect of Pakistan Meteorological Department for necessary action. Pakistan Meteorological Department's Budget Section prepared BO's as per IBC and forwarded to Finance Division well in time. The IBC for the current financial year 2017-18 is Rs. 1027.937 million.
(Contributed by DCAO budget Islamabad)

TRAININGS / VISITS ABROAD:

- Dr. Ghulam Rasul Director General has attended the Sixteenth Session of WMO Regional Association II (RAII-16) preceded by Seventh Regional Conference on Management of Meteorological and Hydrological Services (RECO-7) from 10-16 February 2017 at Abu Dhabi UAE.
- Mr. Hazarat Mir, Chief Meteorologist has attended the 9th GEOSS Asia-Pacific Symposium from 11-13 January 2017 at Tokyo, Japan.
- Mr. Shahid Abbas Director had attended the Inter-MET Asia 2017- Conference and GFDRR Special Session on Public-Private Sector Engagement in the Delivery Forecasting Services from 21-23 March,2017 at Singapore.
- Mr. Najeed Ahmed Amir Deputy Director has attended the Second Meeting of the ICG/IOTWMS Sub Regional Working Group for the North West India Ocean (ICG/IOTWMS/WGNWIO-II) from 27 -28 February, 2017 at Tehran, Iran.
- Mr. Shahzada Adnan Meteorologist has attended the 6th Global Precipitation Measurement (GPM-Asia Workshop on Satellite Precipitation Data Utilization from 18-19 January 2017 at Bangkok, Thailand.
(Contributed by Met. Co. Islamabad)

MISCELLANEOUS POINTS / MATTERS:

- Mr, Muhammad Akram Anjum (Chief Meteorologist) and Mr. Gohar Ali (Meteorologist) attended the 1st International PAEC-CIRP Joint Seminar on “Atmospheric Dispersion of Effluents and Radiological Consequences Assessment for single and Multiple Units NPPs”, 03-05 January 2017 at PNRA HQs, Islamabad.
- Mr. Muhammad Ajmal Shad Director, FFD, Lahore attended a meeting the office of National Disaster Management Authority, Islamabad on 06/01/2017.
- Syed Mushtaq Ali Shah, Director attended “Future Collaboration Meeting” on 28th February 2017 at Centre for Disaster Preparedness & Management University of Peshawar.
- Syed Mushtaq Ali Shah, Director attended a Group Discussion of Multi-Hazard Vulnerability Risk Assessment of District Peshawar on 21st February 2017.
- Syed Mushtaq Ali Shah, Director attended a meeting on 27th March 2017 at Ministry of Planning & Development, Islamabad under the chairmanship of Chief Water & Environment regarding Kalpani Nul lah Basin, Mardan.
- Mr. Shahid Abbas, Director, RMC, Karachi, attended a Consultative Workshop on “Heat Wave Management Plan for Consultative Workshop on 13th March, 2017, at Movenpick Hotel, Karachi.
- Director RMC Lahore Mr. Sahibzad Khan has joined Senior Management Course at Lahore course and Mr. Muhammad Ajmal Shad, Director, FFD Lahore assumed additional charge of Director, RMC, Lahore from dated 06-03-2017.
- Mr. Muhammad Fahim, Deputy Director, attended Inter-Departmental Consultative meeting on “Strengthening Disaster Risk Management in KP at District Level” on 5th January 2017 at PC Hotel Peshawar organized by PDMA in collaboration with KP Government Project (KPG) & Institute of Social and Policy Sciences (I-SAPS).
- Mr. Muhammad Fahim, Deputy Director, attended a meeting on “Early Warning System (EWS) on 31st January 2017 at PDMA Peshawar.
- Mr. Muhammad Fahim, Deputy Director attended one day workshop on “Learning Event for supporting Karachi City in mitigation of extreme Heat Impacts” on 31st March 2017 in Islamabad organized by The Urban Unit Lahore.

- Ms Zeenat Yasmeen, Meteorologist attended a workshop “Consultative meeting on Getting to the world we want - A water-related SDG evidence Framework for National Action”, 14-15 March 2017, at PCRWR Islamabad.
- A number of students of different schools and colleges visited FFD, Lahore. They were briefed about functioning of different units of FFD, Lahore.
- Many students and teachers from different Universities, Colleges and schools visited the RMC Quetta. They were briefed about functions of the directorate.

ACTIVITIES OF MR. MUHAMMAD RAIZ CHIEF METEOROLOGIST (FFD,LAHORE)

- Mr. Muhammad Riaz, Chief Meteorologist, Flood Forecasting Division Lahore.
1. Attended a meeting regarding Disaster Risk Insurance in Punjab hosted by PDMA Punjab and LEAD Pakistan through Climate & Development Knowledge Network (CDKN) program on 13th February, 2017 at Lahore.
 2. Attended a meeting on COTTON PRODUCTION AND COTTON SEED in the Auditorium of Agriculture House, 21-Davis Road, Lahore held under the chairmanship of Secretary Agriculture Government, of Punjab Lahore on 17th February, 2017.
 3. Attended a meeting on “Inter-Provincial Water” Pakistan's Water Appointment Accord 1991-25 Years on Hospitality inn Lahore hosted by Pakistan Council of Research in Water Resources (PCRWR) and the International Water Management (IWMI) on 22nd February, 2017.
 4. Participated in SDIP II Partnership Workshop for the Indus Basin, organization by ICIMOD Pakistan on 2nd March, 2017 at Hotel Crown Plaza, Islamabad.
 5. Attended Internal Meeting on 17th March, 2017 to finalize the strategy to be adopted by Pakistan During 113th meeting of Permanent Indus Commission held in the office of the Chief Engineering Advisor/ Chairman, FFC, Islamabad.
 6. Attended 113th Meeting of the Permanent Indus Commission on 20-21st March, 2017 at Serena Hotel, Islamabad.

7. Mr. Muhammad Riaz, Chief Meteorologist, FFD, Lahore, gave a valuable Presentation on Early Warning System covering the topic Hydro- Meteorological & Geological Hazards in Pakistan Organization by Pakistan Red Crescent on 20th March, 2017 at National Institute Islamabad.
8. Attended Stakeholders Workshop for Consolation on Punjab Climate Change Policy in Auditorium Hall Planning & Development Department, Lahore on 30th March, 2017.

• ACTIVITIES OF MR. ABDUL RASHID-CHIEF METEOROLOGIST (KARACHI)

The Chief Meteorologist, Karachi (Mr. Abdul Rashid), attended the following meetings/seminars, during the quarter (January – March, 2017):-

- Half day seminar “Interactive workshop on the Geology and Oceanography on the Makran Coast, Pakistan” at National Institute of Oceanography, Karachi on 17th January, 2017.
- Meeting of Steering Committee, Government of Sindh, under the chairmanship of Honourable Minister for Education & Literacy, Sindh in the Committee Room No.1, Provincial Assembly of Sindh Karachi on 8th February, 2017.
- Commissioner Karachi Division’s Meeting regarding Heat Wave on 13-03-2016.
- Commissioner Karachi Division’s Meeting regarding Heat wave on 29-03-2017.
- Learning event for Supporting Karachi City in Mitigation of Extreme Heat Impacts organized by M/s. The Urban Unit in Marriot Hotel, Islamabad on 31-03-2017.

DIRECTOR IMG KARACHI:

Progress of IMG during January, 2017 to March, 2017

- 15th Primary Meteorology Course was started on 30-01-2017 comprising 24 Pakistan Air Force personnels and 02 Pakistan Navy personnels.
- World Meteorological Day (W.M.Day) was celebrated on 23rd March, 2017 at IMG, Karachi in collaboration with International Centre of Integrated Mountains Development (ICIMOD) and held an exhibition at Institute of Meteorol-

ogy & Geophysics (IMG), Met. Complex, University Road, Karachi on 23 - 25 March, 2017. The Director, IMG, Mr. Sardar Sarfraz, presented the welcome address and briefed the audience on the theme of the day, “ **Understanding Clouds** ”.

- Dr. Abdul Wahid Jasra, Country Manager, ICI-MOD-Pakistan was the Chief Guest of the event. Dr. Ghulam Rasul, Director-General, (PMD) came specially from Islamabad to attend the W.M.Day.
- The celebration started with the recitation of verses from the Holy Quran and Nat-e-Rusul Maqbool Hazrat Muhammad Mustafa (Sallallahu Alayhi Wasallam).The chief guest inaugurated the exhibition which aimed at displaying the meteorological & seismological instruments, different meteorological charts & products, climate alerts, video clips, presentations to depict the achievements and various services of PMD.
- Mr. Muhammad Musleh Uddin, (Rtd) Director, Pakistan Meteorological Department was the keynote speaker on the occasion. Mr. Abdul Rashid, Chief Meteorologist, briefed the audience about progress of the department.
- Dr. Ghulam Rasul, Director-General, mentioned that Pakistan is among the 10 most vulnerable countries of the world affected by climate change ranging from Glacier lake outburst floods in the north to heat waves and tropical cyclone in the south. PMD, Karachi established early warning system for heat waves in Karachi and other areas for issuing alert 03 days ahead and simultaneously sharing the information with NDMA, provincial stakeholders and media. He further highlighted the need of sharing climate knowledge by PMD, with government agencies and the civil society and to apply it for strong climate action to minimize the climate risk and foster sustainable development. Understanding weather and climate phenomena to protect life and property and assist communities to become more resilient is the core mission

and environmental services to protect life and property and to support decision-making.

- Mr. Sardar Sarfaraz, Director (IMG) thanked the guests and the media representatives for their presence to make the occasion successful. He also thanked the speakers for their suggestions and observations.
- The guest then went round the stalls and showed keen interest and appreciated the materials on display. The function continued till 1400 hours PST. Large number of people from different walks of life was present on the occasion. Also number of students from various Schools visited the exhibition on subsequent days. They showed interest in the activities of PMD. The Exhibition remained open on 24th and 25th March, 2017 and a handful number of visitors turned up to see the exhibition on both days.

(Contributed by I.M.G. Karachi)

LPR ENCASHMENT :-

The following officer / officials proceeding on LPR/Encashment as detail Mentioned against their names.

M/s

1. Muhammad Zabih Rooman Met. Assistant (BS-14) of 365 days in lieu of LPR w.e.f 02-08-2016.
2. Muhammad Akram Met. Assistant (BS-14) has been granted encashment of 365 days in lieu of LPR w.e.f 04-03-2017.
3. Ali Muhammad Jan, Met. Assistant (BS-14) has been granted encashment of 365 days in lieu of LPR w.e.f 02-08-2017.
4. S. Hassan Imam Kirmani, Met. Assistant (BS-14) has been granted encashment of 365 days in lieu of LPR w.e.f 01-04-2017.
5. M. Iqbal Saqib, Met. Assistant (BS-14) has been granted encashment of 77 days in lieu of LPR w.e.f 15-05-2017.
6. Muhammad Aslam , Met. Assistant (BS-14) has been granted encashment of 365 days in lieu of LPR w.e.f 01-03-2017.
7. Muhammad Ahmed, CDEO (BS-12) has been granted encashment of 365 days in lieu of LPR w.e.f 07-12-2016.
8. Mahboob Ali, CDEO (BS-12) has been granted en-

cashment of 365 days in lieu of LPR w.e.f 05-07-2017.

9. Bukhtiar-ul-Haq, CDEO (BS-12) has been granted encashment of 57 days in lieu of LPR w.e.f 05-11-2017.
10. Abdul Sattar, B.M has been granted encashment of 365 days in lieu of LPR w.e.f 02-08-2017.
11. Arshad Ali, B.M has been granted encashment of 365 days in lieu of LPR w.e.f 02-08-2017.
12. Sahib Khan, B.M has been granted encashment of 365 days in lieu of LPR w.e.f 29-03-2017.
13. Abdul Ghafor Chowkidar has been granted encashment of 365 days in lieu of LPR w.e.f 25-04-2017.

RESIGN:

The following officer / officials resigned from government services during the quarter:-
M/s

- Muhammad Inayat Ullah, Met, Assistant (BS-14) resigned from Government services w.e.f. 01-03-2017.
- Sheraz Kausar, Senior Observer (BS-09) resigned from Government services w.e.f. 09-02-2017.
- M. Khalil, Senior Observer (BS-09) resigned from Government services w.e.f. 22-11-2016.

PROMOTION:

The following officer / officials resigned from government services during the quarter:-
M/S

- 04 CDEO (Bs-12) have been promoted as AP (BS-16).
- 01 Mech G-I is promoted as Chief Mech.
- 02 Mech g-II are promoted as Mech G-I.

RETIREMENT:

The following retirement were made during the quarters.

M/S

- Ishrat Hussain, AP (BS-16) has been retired from Government Service w.e.f. 14-03-2016.
- Mr. Ameer Ishrat, Assistant Programmer has been retired from Service w.e.f 14th March 2017.
- Abdul Aziz Assistant (BS-14) has been retired from Government Service w.e.f. 01-01-2017.
- Shoukat Ali, Met. Assistant (BS-14) has been retired from Government Service w.e.f. 06-01-2017.
- Awan Ali, Met. Assistant (BS-14) has been retired from Government Service w.e.f. 08-01-2017.
- Sardar Khan Met, Assistant (BS-14) has been retired from Government Service w.e.f. 01-02-2017.
- Sher Khan Met, Assistant (BS-14) has been retired from Government Service w.e.f. 01-02-2017.

- Mirza Javed Anwar, Met. Assistant (BS-14) has been retired from Government Service w.e.f. 23-03-2017.
- Amir Shehzad Worsi, Met. Assistant (BS-14) has been retired from Government Service w.e.f. 19-09-2016.
- Syed Muhammad Abdullah Waheedi, Chief Mech has been retired from Government Service w.e.f. 13-03-2017.
- Shakoor Baig Naib Qasid has been retired from Government Service w.e.f. 20-01-2017.
- Abdul Jabbar, Balloon Maker has been retired from Government Service w.e.f. 17-03-2017.
- Nabi Bux Balloon Maker has been retired from Government Service w.e.f. 20-01-2017.
- Abdul Aziz Lab Attendant has been retired from Government Service w.e.f. 12-03-2017.
- Muhammad Riaz, Khakroob has been retired from Government Service w.e.f. 04-01-2017.
- Juma Khan, Chowkidar, has been retired from Government Service w.e.f. 16-03-2017.
- Mr. Mushtaq Ahmad, Met. Assistant retired from Govt. Services dated 31-03-2017.
- Mr. Shahzaib Khanzada Senior Observer Retired from Govt. Services dated 05-03-2107.

TERMINATION:

The following officer / officials were terminated from Government Service during the quarters:
M/S

- Mubashir Ibrar, Observer (BS-07) removed from Government Service w.e.f. 20-11-2016.

DEATH:

- Mr. Rafat Ali Coolie expired on 14-01-2017.
- Mr. Tahir Imran Abbas, Chowkidar has expired on 15-02-2017.

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