

marked on 15.04.2022

Government of Jammu & Kashmir
Divisional Commissioner Kashmir

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Subject:- Preparedness/ arrangements to combat with flood situation- Minutes of Meeting thereof.

Divisional Commissioner, Kashmir, took a meeting with regard to subject matter on 09.04.2022 in meeting hall of this office.

Following officers participated in the meeting:

1. Deputy Commissioner, Baramulla/Anannag/ Srinagar/Bandipora/ Pulwama/ Ganderbal/ Budgam (through VC)	16. Commandant, 144 BN, CRPF.
2. ADC, Srinagar.	17. Superintending Engineer, Hydraulic, Budgam.
3. Director, Health Services, Kashmir.	18. Superintending Engineer, UEED.
4. Principal, SKIMS MCH Bemina (through VC)	19. SP Traffic City, Srinagar.
5. Chief Town Planner, Kashmir.	20. SP Hqr, Srinagar.
6. Addl. Director SKIMS / Admn. GMC & Associated Hospitals.	21. AC FCRPFJ
7. Chief Engineer, I&FC, Kashmir	22. Executive Engineer, MICD/ I&FC Kashmir.
8. Chief Engineer, PHE, Kashmir.	23. Dy. Director, Tourism Deptt. Kashmir.
9. Chief Engineer, PW (R&B), Kashmir.	24. Deputy Director, FCS&CA.
10. Chief Engineer, KPDCCL	25. Assistant Director, School Education Deptt.
11. Chief Engineer, UEED.	26. DYSP, SDRF/NDRF.
12. Director, MET.	27. Asstt. Ex. Engineer, MICD/ JTFRP/ I&FC.
13. Joint Commissioner, SMC.	28. Asstt. Engg. I&FC
14. Joint Director, F&ES, Kashmir.	29. Honorary Secretary Red Cross, Kashmir.
15. Principal S.P College Srinagar.	30. Consultants RMSI

At the outset, I&FC Department and ERA apprised the participants through PPT about the flood preparedness to counter any flood threat in the Kashmir Valley as under:-

Multi-Hazard Risk Assessment for the State of Jammu and Kashmir:

IOFC Overview:

- IOFS was developed under the MHRA project and available in JTFRP cloud server.
- OFS provides early warning communication of hydro-met hazards – flood, flash flood, avalanche, landslide and drought.
- IOFS is a web based tool for disseminating warnings for hydro-met hazards.

IOFC UT Level Application.

- Separate domain name and login page for the UTs.
- Provided training for I&FC staff.
- Avalanche module was operational last winter onwards.
- Flood module ready to use this monsoon. Integrated high resolution DTM for Jhelum flood model.
- Landslide model based on rainfall threshold was developed on pilot basis for Ramban District one of the landslide prone district of J&K and is operational.

Short Bulletin: Flood warning has been issued for lower reaches Tehsils for the next 24 hours.

Use forecasted weather data of IMD to generate warning bulletins and dissemination.

Integrated Operational Forecasting System (IOFS).

Flood Preparedness and monitoring System.

1. Real-time monitoring system.
2. **Advisory Dissemination Modules**, through Radio, TV, Social Media (Facebook, Twitter). Besides, Mobile Application, TWITTER HANDLE of the department also is used to give flood related information to masses (Twitter handle @ifckashmir) (2600+ Followings). FACEBOOK PAGE of the department was already available prior flood of Sept 2014, which is currently been followed by 30,400 users. (fb.com/ifckashmir). An Android app "IFC Kashmir Flood Alert" has been also launched to keep the general masses updated regarding the latest Water levels at Sangam, Ram Munshibagh and Asham. The same is being upgraded with advanced features during current Year which has 10000+ downloads.

Mobile App

The National Information Center (Srinagar) is developing a Professional Mobile Application which is already available on android (***iOS platform is in development phase**). Main objective of the department is to establish an efficient, reliable and timely hydro-meteorological data collection and transmission system. 14 number automatic water level recorders (AWLR) and 09 number automatic rain gauge recorders (ARGR) have been installed by the department which provide hourly data on real time basis. This app auto-updates the readings of water level and rainfall recordings from the sensors installed at key nodes and the same gets displayed in a user friendly and easy to understand format on app. The ease of availability of water level information is beneficial to the public and administration as it will help them to keep updated and take prompt action.

3. CENTRAL WATER COMMISSION, New Delhi:

Forecast of Hydrographs developed through software are provided from the FFM (Flood Forecast Monitoring) Directorate CWC, New Delhi at the times of floods.

4. Collaboration with other departments. **IMD, Srinagar:** India Meteorological department's **Doppler Radar & Automatic Weather/ Rain Gauge stations** are used to get the real time data which helps in assessing any adverse situation before hand.

5. Daily Flood Bulletin:

The Department had last year started to issue Daily Flood Bulletin (DFB) to all the stake holders on daily basis. The DFB reflected the weather of forecast of five days, water level, rainfall information. This module has been devised under the guidance of Divisional Commissioner Kashmir.

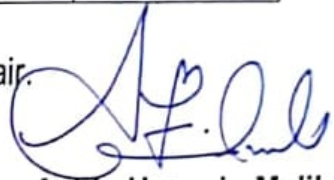
After thread bare discussion and deliberations following instructions were passed on :

S. No	Issue	Directions	Action by
1.	Resource Audit/ Updation.	District audit and up-dation of resource inventory/equipments shall be ensured by all the ADCs by or before 15.04.2022 on Indian Disaster Response Network.	All DCs/Nodal Officers/EPC S
2.	Establishment of Control Rooms	The Chair directed that interdepartmental Flood control rooms shall be established at all District Headquarters by or before 15.04.2022	All DCs/SSPs/H ODs/CE I&FC
3.	Conduct of Mock drills	It was directed that mock drills shall be conduct/started from 15.04.2022 in all districts, including the flood warnings, rescue and all other things.	All DCs/ ADCs/SDRF/ NDRF/NCC/NISS/ Red Cross/ I&FC
4.	Audit of river/Nallah banks	It was apprised that 07 flood related works have been identified out of which 02 have been tendered out and submitted to the govt. the chair directed to put up a reminder in this regard with a copy to this office as well. Further the repair of vulnerable spots and weak embankments shall be audited in respect of all river/Nallah banks in Srinagar City and Kashmir Valley by or before 25.04.2022 by conducting spot visits.	CE I&FC
5.	Availability of flood mitigation resources	I&FC Department Kashmir shall ensure adequate procurement/ availability of stocks of flood mitigation resources like geo-bags, filled sand bags etc well before 15.04.2022.	CE I&FC
6.	De-silting of Flood basins and drains	SMC shall complete the mapping of 90 static and 127 mobile dewatering pumps including other machinery , manpower and tentative locations etc before 15.04.2022. Besides , desilting of all the major drains shall be done for which the tenders shall be floated before 15.04.2022 ULB shall also take up desilting process of the choked drains in towns of Kashmir Valley. Moreover, I&FC shall also complete the process of desilting of flood basins and streams/Canals in Kashmir Valley within the shortest	Com SMC/ Dir. ULB CE I&FC.

		time.	
7.	Availability of Essential Commodities in floods.	FCS&CA Department, Kashmir shall immediately get the list of rescue centers from Deputy Commissioners ,besides, AD Food concerned shall identify the rooms/accommodations for stocking of ration and other essential commodities.	Dir. FCS&CA Kmr.
8.	PA System	Vehicle mounted Public Address systems shall be utilized by the District administration/ Police, Flood Committee for sensitization of general public. Besides, traditional method shall also be adopted for the same.	All DCs/SSPs Flood Committees
9.	Availability of Shikars/ Boats	SDRF/NDRF shall conduct major mock drill in this regard between 15-20 April 2022. Private Boats details shall also be collected by Dy. Com. SDRF apart from the boats of various departments viz, BSF, CRP, Police, LCMA, water sports, tourism, etc including the capacity, locations, operation and Phone Nos. Further, the details of small boats (Kishti) shall also be collected.	All DCs/SSPs/Dir Tourism/ VC LAWDA/ SDRF/ NDRF/ CRPF.
10.	Availability of drinking/portable water	In case of floods Public Health Engineering Department Kashmir shall ensure availability of clean drinking water to all the rescue centers /shelters.	CE PHE
11.	Availability of Medicines	Health Services Department Kashmir shall disseminate the information about the water born diseases, hazards etc, . Besides, Director Health Service Kashmir prepare a note in this regard for public awareness. activities availability of Mobile Medical camps and medicines at the designated flood rescue centers/shelters in case of floods in the Valley.	Dir. HSK.
12.	Identification	ERA/RMSI shall download each 05 categories of maps and print 100 colored maps for the PCR, EOC (Humhamna/Hariparbat), ICC and I&FC Department Control Room	ERA/RMSI
13.	High mast lights/ Electricity	PDD shall also ensure availability of Electricity/ gensets in all Flood rescue camps. Moreover, SMC/PDD/ULB shall ensure erecting of high mast lights in the flood rescue camps /shelters in case of floods.	Com SMC/Dir. ULB/CE KPDCL
14.	Vital Installation which can come under	Taking consideration the water/inundation level of 03/04. September 2014 all the vital installation having the threat of inundation viz. Telephone exchange, Hospital, Police Stations , Essential Commodities Godowns etc shall be	All DCs/SSPs/ Dir. SKIMS/ Pr. GMC,

	inundation	identified before 15.04.2022 so that at first same can be shifted to upper floors. Moreover, SKIMS/GMC shall prepare plan for shifting of vital installation, equipment, machinery from ground floor at times of flood.	HODs/CEs.
15.	Availability of Mobile toilets at rescue centres.	SMC/ULB shall provide the mobile toilets at the flood rescue centers /shelters in case of floods.	Com SMC/Dir. ULB.
16.	Details of Swimmers	The details viz, name, location and contact No. etc of the swimmers from Apda Mitra App shall be downloaded by ERA/DMMR/SDRF.	Dy. Comd SDRF
17.	Impart of Training for operating of boats	Chief Engineer I&FC apprised that their Mechanical Wing is having 10 No. of Aluminium Boats but there is no Operator to man these boats. The chair directed some class-IV employees shall be identified who shall be provided expertise/training by District Police Srinagar /SP Headquarter Srinagar.	CE I&FC/ SP Hqr SGr.
18.	DSS	DSS Training shall start from 15.04.2022 and the scheduled in this regard shall be shared with this department as well.	ERA
19.	Red Cross	The list of Red Cross volunteers shall be shared with I&FC Department.	Hony Sec. Red Cross

The meeting ended with vote of thanks to and from the Chair.


 Ashiq Hussain Malik
 Deputy Director (E&S)
 With Divisional Commissioner
 Kashmir

No. Divcom/Dev/194/2022.

Dated: 15 .04.2022

Copy for information and necessary action to the:

1. All above concerned/participants.
2. Private Secretary to Chief Secretary, for inf. of Chief Secretary.