



Monitoring (South)
Organisation Central Water
Commission Bengaluru

Special Advisory No.7 (11.08.2019)

1.0 IMD information

1.0.1 Meteorological Situation

As per IMD H.M. Bulletin, steady rainfall is recorded in the basin of Harangi Dam-104.0 mm, Hemavathi Dam- 47.2 mm, Kabini Dam – 64.7 mm, Upper Cauvery- 27.5 mm and Upper Tungabhadra – 57.2 mm during the last 24 hours. QPF Rainfall of Basin/Sub-Basin as per IMD dated: 11.08.2019:

Date	Name of Basin	Name of Sub-Basin	QPF issued valid for Day-1	QPF issued valid for Day-2	QPF issued valid for Day-3
11.08.2019	CAUVERY	HARANGI	>100	>100	51-100
		HEMAVATHI	>100	>100	51-100
		KABINI	>100	>100	51-100
		MIDDLE CAUVERY	11-25	11-25	11-25
		UPPER CAUVERY	>100	>100	51-100
		UPPER TUNGABHADRA	>100	>100	51-100

2.0 CWC Information

2.0.1 Flood Situation & Advisories as per Actual/ Forecasted Rainfall

Due to the moderate rainfall in the basins of Upper Cauvery, Tunga & Bhadra in Krishna Basin and West flowing rivers in Karnataka, water level of the rivers in Cauvery, Krishna (Tunga & Bhadra), West flowing rivers in Karnataka, flowing through the districts of Kodagu, Chikmagalur, Hassana, Shivamogga, Dakshina Kannada, Udupi and Uttara Kannada, Belgavi, Vijayapura, Bagalkote, Kalburgi, Yadigiri, Dharwad and Raichur has slowly decreased from past 24hrs and maintained constant Inflow. IMD rainfall forecast, the situation is likely to improve in the next two - three days. In the catchment area of Kabini river, IMD has forecasted a moderate rainfall and there is likely fall in water level in the Kabini river and inflow to Kabini Dam.

Based on the IMD rainfall and other synoptic condition forecast, the inflow to the Dams is likely to continue as same/constant for the next 24-36 hours due to Moderate rainfall and base flow of river in the upper catchments of the Cauvery and Krishna (Tunga and Bhadra) Basins. Inundation is likely to remain in the next 24 hrs in the flood affected districts of Kodagu, Chikmagalur, Hassana, Shivamogga, Dakshina Kannada, Udupi and Uttara Kannada, Belgavi, Vijayapura, Bagalkote, Kalburgi, Yadigiri, Dharwad and Raichur. Accordingly State/Civil authorities of the above Districts may take appropriate measures for present flood situation.


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All along the river stretch of downstream side of River Cauvery and Kabini, there is a likely chance of submergence due to release of KRS Dam and Kabini Dam upto Karnataka boarder (Mysuru, ChamaraJanagara, Mandya). Accordingly State/Civil authorities of the above Districts may take appropriate measures for present flood situation.

The Upper Tunga reservoir on the river Tunga is at FRL and the water level at 0600 hrs is about 588.24 m, (constant since three days) the Dam is expected to receive an inflow of ~1600 cumecs in the next 24 hrs, and is **likely to decrease**.

In view of IMD forecast, the Kabini Dam on the river Kabini is at FRL and the present water level at 0600 hrs is about 695.00 m, and maintained constant by keeping gates opened without affecting downstream side of the Dam. The Dam is likely receiving an inflow of ~1400 cumecs in the next 24 hrs, and the **inflow may reduce as day progresses**.

The Harangi Dam on the river Harangi is just below FRL and the present water level at 0600 hrs is about 869.68 m, the Dam is expected to receive an inflow of ~270 cumecs in the next 24 hrs, and **the inflow may decrease**.

The Hemavathy Dam on the river Hemavathy is just below FRL and the present water level at 0600 hrs is about 889.41 m, the Dam is expected to receive an inflow of ~2000 cumecs inflow in the next 24 hrs, **the inflow may decrease as day progresses**.

The inflow to the Krishnaraja Sagar Dam is increasing and the present water level at 0600 hrs is about 750.65 m, and the Dam will receive ~6000 cumecs inflow in the next 24 hrs, and further increase will be in the next few days due to the expected release of upstream Dams attaining FRL.

The inflow to the Bhadra Dam is going to reduce and the present water level at 0600 hrs is about 655.09 m, and will receive ~1200 cumecs inflow in the next 24 hrs, and **will slowly reduce as day progresses**.

The concerned Dam authorities are advised to operate the reservoirs appropriately to avoid any flood like situation in the downstream, backwater effect in the upstream and to create sufficient cushion for expected inflow to the next 2-3 days. The downstream civil authorities and Dam authorities may be informed in well advance of any release.

Presently, the Gokak Falls (7.22 m) (River-Ghataprabha), Sakleshpur (0.7 m) (River -Hemavathy), Muthenkara (-0.405 m) (River-Kabini), Kudige (-0.61 m) (River-Cauvery) and Shimoga (0.51 m) (River-Tunga), Kollegal (-1.59 m) (River- Cauvery), T.Narashipura (-1.91 m) (River-Cauvery/kabini), Chunchankatte (-0.6 m) (River-Cauvery) are now (11.08.2019, 0800 hrs) above its highest water level. The water level at different site of CWC in Upper Cauvery, Tunga and Bhadra are as under. Even, another four places of river also have recorded highest water level in addition to above rivers.


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2.0.2 Water level at various HO sites as on 11.08.2019 at 08:00 hrs:

Sl.No	Site name	River /Tributary/Sub-Tributary	Highest water level (m) ever recorded	Present water level (m)
1.	Akkihebbal	Cauvery /Hemavathi	752.56	754.720
2.	Chunchunkatte	Cauvery	759.46	758.960
3.	Hommaragalli	Cauvery/Kabini	666.165	670.200
4.	K.M.Vadi	Cauvery /Lakshmanathirtha	771.25	-
5.	Kokkedoddy	Cauvery/Arkavathi	373.06	369.880
6.	Kollegal	Cauvery	630.25	628.660
7.	Kudige	Cauvery	822.34	821.730
8.	M.H.Halli	Cauvery /Hemavathi	846.655	-
9.	Muthankera	Cauvery /Kabini	713.49	713.085
10.	Napoklu	Cauvery	875.795	875.800
11.	Sakleshpur	Cauvery /Hemavathi	893.4	894.100
12.	T.Bekuppe	Cauvery /Arkavathi	608.1	604.730
13.	T.K.Halli	Cauvery /Shimsha	585.95	580.780
14.	T.Narasipur	Cauvery /Kabini	643.25	641.340
15.	Thimmanahalli	Cauvery / Hemavathi/Yagachi	909.665	908.725
16.	Hariharapura	Krishna/Tungabhadra/Tunga	845.72	845.540
17.	Navalgund	Krishna/Malaprabhaa/Bennihalla	568.57	563.69
18.	Gokak Falls	Krishna/Ghataprabha	546.88	554.100
19.	Mudhol	Krishna/Ghataprabha	538.25	544.06
20.	Shimoga	Krishna/Tungabhadra/Tunga	568.43	568.940


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2.0.3 Daily flood Bulletin (11.08.2019)



Central Water Commission

Division: Cauvery Division, Bengaluru



Daily Water Level and Forecast Bulletin No. 40. Date:11/08/2019

Sl. No.	River Name	Station Name	FRL	Present Level		Rainfall (mm)	Forecast				
			Level (m)	Level (m)	Time		Inflow(Cumecs)	Inflow(Cu secs)	Trend	Date	Time
1	Harangi	Harangi Dam	871.42	869.68	06:00	39.8	270	9535	Steady	12.08.2019	08:00
2	Hemavathi	Hemavathi Dam	890.63	889.41	06:00	-	2000	70629	Steady	12.08.2019	08:00
3	Kabini	Kabini Dam	696.16	695.00	06:00	60.0	1400	49440	Steady	12.08.2019	08:00
4	Cauvery	Krishna Raja Sagar	752.49	750.65	06:00	-	6000	211888	Rising	12.08.2019	08:00
5	Tunga	Upper Tunga Project	588.24	588.24	06:00	-	1600	56503	Steady	12.08.2019	08:00
6	Bhadra	Bhadra Dam	657.75	655.09	06:00	18.2	1200	42378	Steady	12.08.2019	08:00

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