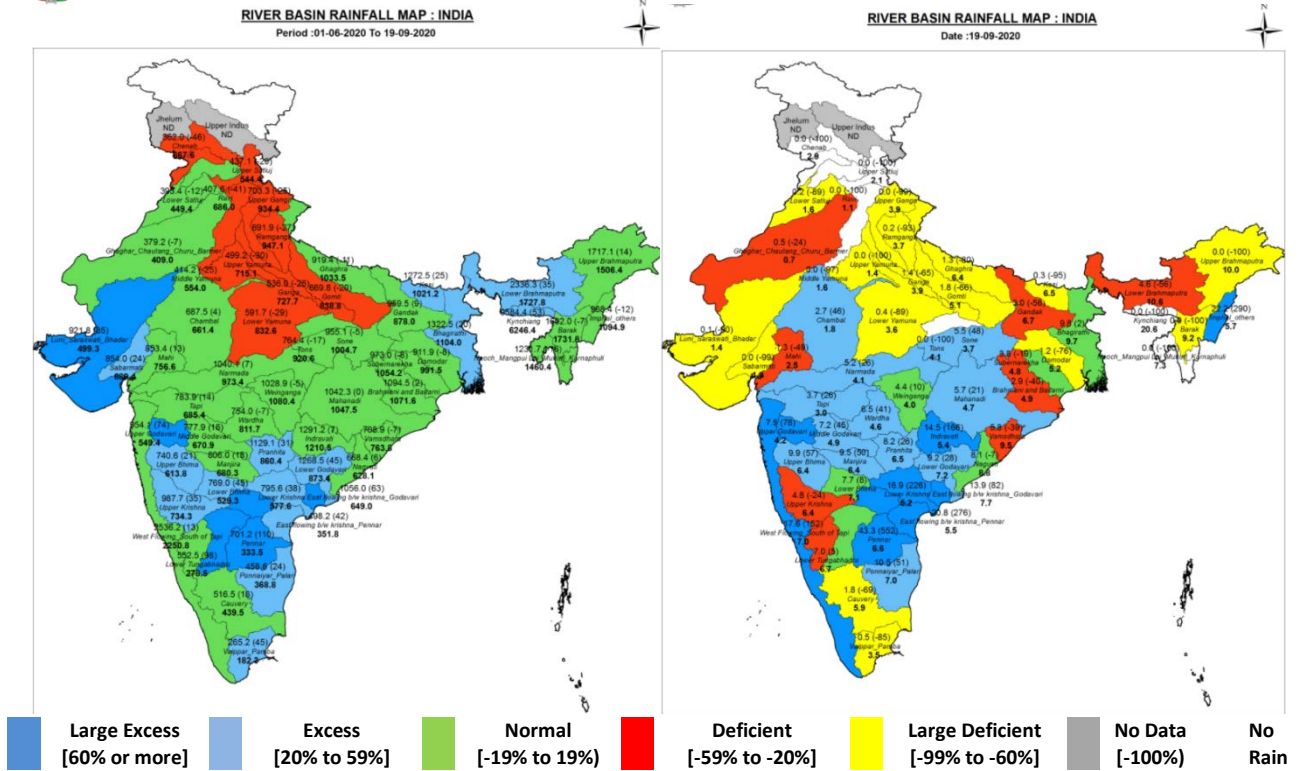




Central Water Commission
Daily Flood Situation Report cum Advisories
19-09-2020

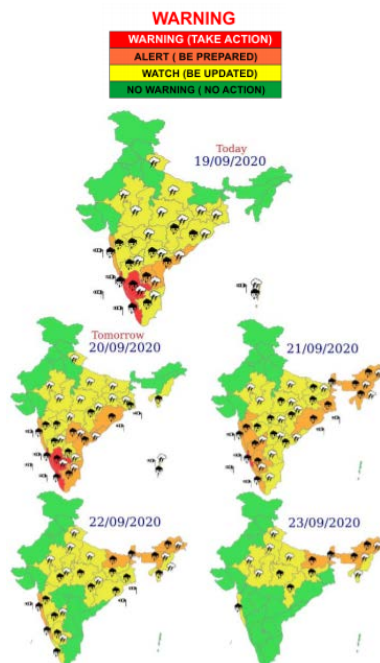
1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall



Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
 b) Percentage departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 19th September, 2020 (Midday) by IMD



2.0 Flood Situation and Advisories

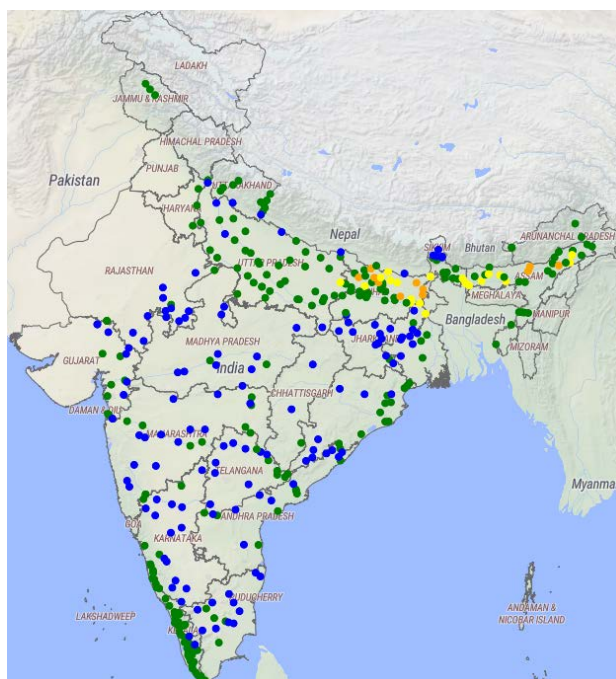
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 19th September 2020, 10 Stations (7 in Bihar and 3 in Assam) are flowing in Severe Flood Situation and 18 stations (6 in Assam, 10 in Bihar, 1 each in West Bengal & Jharkhand) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 21 Barrages & Dams (5 in Andhra Pradesh, 4 each in Karnataka & Telangana, 3 in Tamil Nadu, 2 each in Gujarat & West Bengal and 1 in Rajasthan).

PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	10
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	18
Total number of sites above Warning Level (A+B+C)		28
PART - II: INFLOW FORECAST		
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)		21

Details can be seen in link-<http://cwc.gov.in/sites/default/files/dfb202019092020.pdf>

2.2 Flood Situation Map



2.3 CWC Advisories

- Fairly widespread to widespread rainfall with isolated heavy to very heavy falls very likely over Kerala, Karnataka and Konkan & Goa during 19th-22nd September. Isolated extremely heavy falls also very likely over Coastal Karnataka during 19th-21st over Ghat sections of South Interior Karnataka and north Kerala on 19th & 20th over south Konkan & Goa on 21st & 22nd September, 2020.
- Fairly widespread to widespread rainfall with Isolated heavy to very heavy falls likely over Andaman & Nicobar Islands on 19th & 20th over Odisha, Coastal Andhra Pradesh & Yanam and Telangana during 19th-21st and over Gangetic West Bengal during 20th-22nd September, 2020.
- Fairly widespread to widespread rainfall with heavy to very heavy falls also likely over Sub-Himalayan West Bengal & Northeastern state during 21st-23rd September. Isolated extremely heavy falls also likely over Arunachal Pradesh and Assam & Meghalaya on 22nd and over Sub-Himalayan West Bengal & Sikkim on 22nd & 23rd September, 2020.

Based on the above rainfall forecast the following advisories are issued by CWC:

Forecasted rainfall may again increase the flow in West Flowing Rivers and in Upper Krishna, Upper Bhima, Upper Godavari and Cauvery Basins. Since most of the reservoirs in these basins are very near to FRL, SOP for release from reservoirs have to be followed.

Most of the dams in Krishna Basin are already at FRL or very near to FRL. Due to continuing rainfall in North Interior Karnataka, Telangana & Rayalaseema, river Krishna is rising in **Raichur** and **Jogulamba Gadwal** Districts. Since Jurala Project is nearly full, the releases from Jurala, Srisaillam, Nagarjunasagar and Pulichintala Dams are also likely to release excess water for another 2-3 days. Further, river Tungabhadra is rising in Kurnool District of Andhra Pradesh which is giving additional inflows in to Srisaillam Dam in Kurnool District. Further due to forecasted rainfall in Maharashtra portions of the Krishna catchment, the river is likely to rise in the upstream side of Almatti Dam which may contribute to increase in flows in the downstream areas as most of the dams in Maharashtra as well as in Karnataka in Krishna, Koyna, Warna, Bhima, Nira, Ghataprabha are already full. Heavy rain has also been forecasted in Upper, Middle and Lower Tungabhadra basins in Karnataka and Andhra Pradesh which will also have increased flow which will further aggravate the flooding situation in Krishna Basin.

Mula, Manjlegaon, Jaikwadi and **Yeldari** Dams in Maharashtra in Godavari Basin are almost full or near their FRL. Due to heavy rainfall in these regions the dams are getting heavy inflows. These dams are releasing the excess flows. Due to such releases, river Godavari is rising upstream of **Sriramsagar, Sripada Yellampally** Dams in Telangana. These dams are also likely to release the excess flow which will be inflows into Laxmi Barrage on river Godavari in **Jaishankar Bhupalpalle** District. The flows passing through this barrage is likely to rise the levels in Lower Godavari in **Mulug** and **Bhadradri** Districts. The increase in rainfall forecas in Upper Godavari Sub-Basin in the Districts of **Nasik, Ahmednagar** and **Aurangabad** in Maharashtra may also increase the flow upstream of Jaikwadi

Dam and as the dam is already near to FRL releases have to be done with due care.

Heavy to very Heavy rain has been forecasted in Upper Cauvery, Harangi, Hemavathi and Kabini Basins in the Districts of **Kodagu, Hassan** in Karnataka and **Wayanadu** in Kerala. Since most of the dams are already near FRL or at FRL, releases have to be done.

Heavy to very heavy rainfall has been forecasted from 19th to 21st September in Kerala. This may increase the flows into Idukki and Edamalayar Dams. Since the rainfall is expected to continue for 3-4 days, the inflows are likely to continue depending on the intensity of rainfall.

Heavy to very heavy rain has been forecasted in Sub-Himalayan West Bengal & Sikkim and North Eastern States from 21st September Onwards. This may increase the water levels in Brahmaputra & its tributaries including Tista and Barak & its tributaries during the next 3-4 days.

Impact Based Actions

Strict vigil is to be maintained in all the above areas for next 3-4 days. It is advised that close watch has to be maintained for increased inflows in dams. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure with advance intimation to downstream areas. All district administrations can take effective measures taking into account the prevailing Covid-19 situation in relief camps being set up in these districts.

3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 18th September 2020

#	River	Station	State	Present Gross Storage (%)	Rainfall Warning
1	Nira	Veer Dam	Maharashtra	100	Yes
2	Purna	Yeldari Dam	Maharashtra	100	Yes
3	Krishna	Almatti Dam	Karnataka	100	Yes
4	Bhima	Ujjani Dam	Maharashtra	100	Yes
5	Betwa	Rajghat Dam	Madhya Pradesh	100	No
6	Ghataprabha	Hidkal Dam	Karnataka	100	Yes
7	Narmada	Bargi Dam	Madhya Pradesh	100	No
8	Tungabhadra	Tungabhadra Dam	Karnataka	100	Yes
9	Narmada	Tawa Dam	Madhya Pradesh	100	No
10	Wardha	Upper Wardha Project	Maharashtra	100	Yes
11	Penganga	Issapur Project	Maharashtra	100	Yes
12	Warana	Warana Dam	Maharashtra	100	Yes
13	North Pennar	Somasila Dam	Andhra Pradesh	100	Yes
14	Sabarmati	Dharoi Dam	Gujarat	99.87	No
15	Mahi	Kadana Dam	Gujarat	99.84	No
16	Cauvery	Krishnarajasagar	Karnataka	99.8	Yes
17	Kabini	Kabini Dam	Karnataka	99.73	Yes
18	Narmada	Barna Dam	Madhya Pradesh	99	No
19	Koyna	Koyna Dam	Maharashtra	99	Yes
20	Bhadra	Bhadra Dam	Karnataka	99	Yes
21	Harangi	Harangi Dam	Karnataka	98.61	Yes
22	Sindhpana	Manjlegaon	Maharashtra	98.57	Yes
23	Mahi	Mahi Bajajsagar Dam	Rajasthan	98.21	No
24	Krishna	Narayanpur Dam	Karnataka	98	Yes
25	Krishna	Dr K L R S Pulichintala Dam	Andhra Pradesh	98	Yes
26	Krishna	Srisaillam Dam	Andhra Pradesh	98	Yes
27	Godavari	Jaikwadi Dam	Maharashtra	97.74	Yes
28	Pench	Totladoh Project	Maharashtra	97.53	Yes
29	Mula	Mula Dam	Maharashtra	97.41	Yes
30	Narmada	Sardar Sarovar Dam	Gujarat	97.23	No
31	Chambal	Rana Pratap Sagar	Rajasthan	96.88	No
32	Kalisindh	Kalisindh Dam	Rajasthan	96.73	No
33	Som Kamla	Som Kamla Amba Dam	Rajasthan	96.65	No
34	Narmada	Indira Sagar Dam	Madhya Pradesh	96	No
35	Tapi	Ukai Dam	Gujarat	95.44	No
36	Kaddamvagu	Kaddam Dam	Telangana	95.09	Yes
37	Malaprabha	Malaprabha Dam	Karnataka	95	Yes
38	Sone	Bansagar Dam	Madhya Pradesh	93	No
39	Mahanadi	Hirakud Dam	Odisha	92.6	Yes
40	Godavari	Sriramasagar	Telangana	92.31	Yes
41	Hemavathy	Hemavathy Dam	Karnataka	91.52	Yes
42	Wainganga	Upper Wainganga Project	Madhya Pradesh	89.87	No
43	Bhavani	Bhavani Sagar	Tamil Nadu	88.01	Yes
44	Gomukanadi	Gomukhi Dam	Tamil Nadu	87.43	Yes

45	Chambal	Gandhisagar Dam	Madhya Pradesh	87	No
46	Damanganga	Madhuban Dam	Gujarat	86.8	No
47	Godavari	SripadaYellampally Dam	Telangana	86.26	Yes
48	Brahmani	Rengali Dam	Odisha	84.3	Yes
49	Gambhiri	Panchana Dam	Rajasthan	82.81	No
50	Krishna	Priyadarshini Jurala Project	Telangana	81	Yes
51	Machhkund	Machhkund Project	Odisha	76.71	Yes
52	Parwati	Parwati Dam	Rajasthan	76.52	No
53	Panam	Panam Dam	Gujarat	75.25	No
54	Musi	Musi Project	Telangana	74	Yes
55	Mej	Gudha Dam	Rajasthan	73.19	No
56	Edamalayar	Idamalayar	Kerala	72.97	Yes
57	Periyar	Idduki Dam	Kerala	72.63	Yes

Reservoirs shown in red are having gross storage greater than 90%, reservoirs shown in orange are having gross storage greater than 75% and the reservoirs shown in yellow are having gross storage greater than 70%. Close watch has to be maintained at these reservoirs wherever heavy rainfall (Yellow) and Very Heavy Rainfall (Orange) and Extremely Heavy Rainfall (Red) warning in next 24 hours are given (last column of Table above).