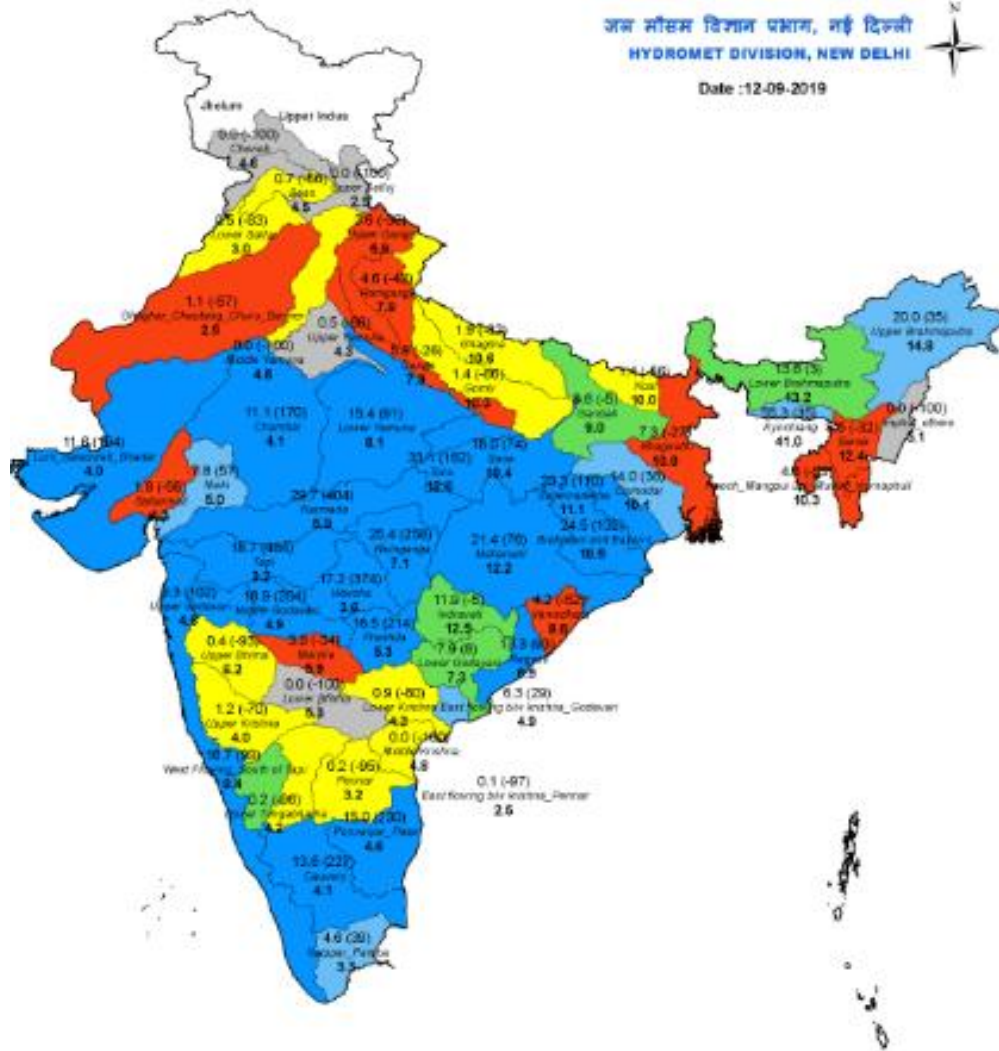




Daily Flood Situation Report cum Advisories 12-09-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 12th September 2019

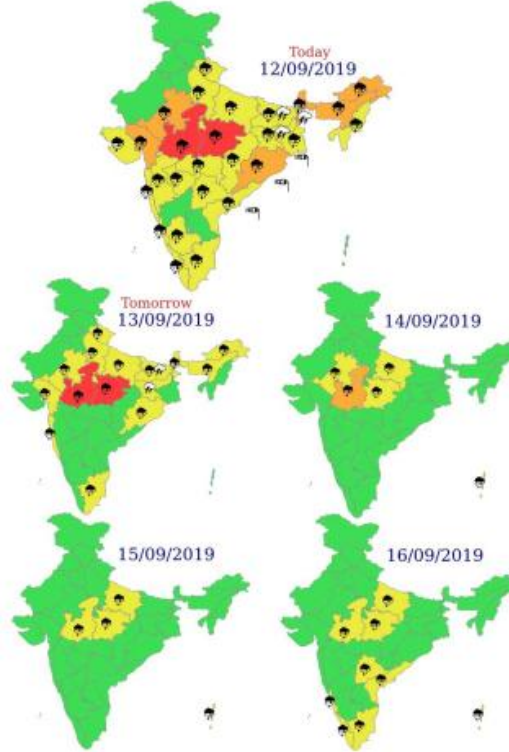


Large Excess [60% or more]	Excess [20% to 59%]	Normal [-19% to 19%]	Deficient [-59% to -20%]	Large Deficient [-99% to -60%]	No Data [-100%]	No Rain
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Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall(mm)
b) Percentage departures of rainfall are shown in brackets.



1.1.2 Rainfall forecast for next 5 days issued on 12th September, 2019 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situations per actual/ forecasted rainfall situation

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))	7
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	23
Total number of sites above Warning Level (A+B+C)		30
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)		33

For details please visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-12092019.pdf>



2.1.1 West Flowing Rivers, Wainganga, Tapi, Narmada, Betwa, Ken & Chambal Basin in Madhya Pradesh & Gujarat

Due to low pressure area in Madhya Pradesh and adjoining areas of Uttar Pradesh, extremely heavy rainfall is occurring over Madhya Pradesh for the past five days. This is affecting the sub-basins of Wainganga (Godavari Basin), Upper & Middle Narmada (Narmada Basin), Chambal, Betwa & Ken (Yamuna Sub-Basin of Ganga Basin). Further, there is forecast of extremely heavy rainfall in Madhya Pradesh for next 48 hours in and heavy rainfall for another 3 days. This is likely to increase the flows in most of the sub-basins mentioned above.

River **Narmada** at Mandla in Mandla District is flowing in Severe Flood Situation with rising trend. Releases from various Dams starting from upstream in Narmada Basin are given as under:

Dam	River	Date & Time	Outflow in Cumec
Bargi Dam	Bargi	12/9/19 1200	5606
Barna Dam	Barna	12/9/19 1200	1507
Tawa Dam	Tawa	12/09/19 0800	1726
Indira Sagar Dam	Narmada	12/09/19 1600	19127
Omkareshwar Dam	Narmada	12/09/19 1600	22446
Sardar Sarovar Dam	Narmada	12/09/19 0800	21276

Due to releases from Sardar Sarovar Dam, river Narmada at Bharuch in Bharuch District of Gujarat is flowing in Severe Flood Situation and is likely to continue in Severe flood situation may continue for another 2-3 days with slow falling trend.



River **Wainganga** is again rising in view of rainfall in East Madhya Pradesh. Since there is likelihood of extremely heavy rainfall in Seoni, and Mandla Districts for next 24 hours, there is likelihood of rising level in Wainganga. River Wainganga at Bhandara in Bhandara District of Maharashtra is flowing in Severe Flood Situation with rising trend.

River **Betwa** at Basoda in Madhya Pradesh is rising and is giving heavy inflows into **Rajghat Dam** in Ashoknagar District. Since Rajghat Dam is very near FRL, it is releasing around 1.48 Lakh cusec of water which is going as inflow into **Matatila Dam** in Uttar Pradesh. Since Matatila Dam is also very near to FRL, the excess water is being released into river Betwa which may affect the districts of Jalaun in Uttar Pradesh.

River **Chambal** is rising in Madhya Pradesh in the districts of Jhabua, Ratlam, Ujjain and Mandsaur. **Gandhisagar Dam** on river Chambal in Mandsaur District is very near to FRL and is releasing around 1.86 Lakh cusec of excess water which is inflows for **Rana Pratap Sagar, Jawahar Sagar** and **Kota Barrage** in Rajasthan. As almost all the dams are at FRL, they are releasing excess water and river Chambal is flowing close to Warning Level at Kota in Kota District of Rajasthan.

2.1.2 Konkan & Goa, Ghat areas of Madhya Maharashtra & Gujarat

River Levels in most of the rivers in **West Flowing Rivers** & Krishna are in falling trend and is likely to continue falling as there is likely to be drastic reduction in rainfall for the next 3-4 days.

Inflows from various major dams in Krishna Basin are given in the Table below (as on 10.09.2019):

PARTICULARS OF MAJOR RESERVOIRS AS ON 12/Sep/2019										
SI No	Reservoir Name	Time	FRL (feet)	Gross Capacity (TMC)	THIS YEAR				LAST YEAR	
					As on 12/Sep/2019				As on 12/Sep/2018	
					Level (in feet)	Gross Storage (TMC)	Inflow (Cusecs)	Outflow (Cusecs)	Level (in feet)	Gross Storage (TMC)
Krishna Basin										
1	KC_CANAL_ADINIMMAYAPALLI	00:00	9999	999	0	0	0	0	0	0
2	ALMATTI	10:37	1705	129.721	1703.41	121.05	210119	131949	1704.72	128.19
3	DR.KLRS PULICHINTALA	09:29	175	45.77	174.67	45.26	280658	259755	147.18	13.25
4	JURALA	09:09	1045	9.657	1044.42	9.3	151542	152723	1044.36	9.26
5	KC CANAL	00:00	957.99	1.2	0	0	0	0	0	0
6	KRISHNA DELTA SYSTEM	09:15	57.05	3.071	57.05	3.07	249207	249207	56.25	2.89
7	NAGARJUNA SAGAR	09:12	590	312.045	589.2	309.655	280985	287902	587.4	305.743
8	NARAYANAPUR	10:38	1615	37.646	1613.25	35.38	112729	131015	1614.63	37.35
9	SRISAILAM	09:11	885	215.807	884.3	211.48	314679	348102	878.9	182.22
10	SUNKESULA	06:00	958	1.2	954.72	0.845	77265	77265	0	0
11	TUNGABHADRA	09:10	1633	100.86	1633	100.86	87102	78114	1631.99	96.97
12	UJJAINI	09:08	1630	117.24	1630	117.24	35648	46269	1630	117.24

2.1.3 Cauvery Basin in Karnataka, Kerala and Tamilnadu

There has been drastic reduction in rainfall in catchment areas of Cauvery. The inflows into all upstream reservoirs are also decreasing and hence the releases are also being brought down. Releases from Major Dams from Karnataka as Given by KSNDMC are given below:





MAJOR RESERVOIR LEVEL INFORMATION – 12.09.2019

Sl. No.	Name of the Reservoir	Reservoir Level Information (feet)				Capacity in TMC					Flow details			
		FRL in feet above MSL	RL as on 12/09/2019	Last year RL as on 12/09/2018	Balance RL to reach FRL	Live Storage Capacity TMC	Live storage as on 12/09/2019 TMC	Last year Live Storage as on 12/09/2018 TMC	Present Capacity % of Col. 8 as % of Col. 7	Balance Storage to reach Full capacity	Inflow in cusecs on 12/09/2019	Outflow in cusecs on 12/09/2019	Cumulative in flows from 01.06.2019 (mcft)	Cumulative out flows from 01.06.2019 (mcft)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Linganamakki	1819.00	1818.10	1817.60	-0.90	151.75	148.75	147.08	98	-3	12016	7989	184306	53590
2	Supa	1849.92	1846.90	1845.33	-3.02	145.33	141.38	139.35	97	-4	4647	3176	129356	38435
3	Varahi	1949.50	1936.25	1947.53	-13.25	31.10	23.74	29.93	76	-7	2348	0	22810	4605
4	Harangi	2859.00	2858.25	2856.50	-0.75	8.07	7.82	7.23	97	0	3508	2785	24329	17357
5	Hemavathi	2922.00	2922.00	2919.29	0.00	35.76	35.76	33.17	100	0	9062	9000	82474	49835
6	K.R.S.	124.80	124.80	122.91	0.00	45.05	45.05	42.45	100	0	20574	20365	126610	87295
7	Kabini	2284.00	2284.00	2283.68	0.00	15.67	15.67	15.46	100	0	10457	8525	86284	72499
8	Bhadra	2158.00	2157.54	2157.87	-0.46	63.04	62.46	62.88	99	-1	9355	7338	78638	26327
9	Tungabhadra	1633.00	1633.00	1631.99	0.00	100.86	100.86	96.97	100	0	87019	77756	262560	163150
10	Ghataprabha	2175.00	2174.80	2175.00	-0.20	48.98	48.98	48.98	100	0	10542	8608	125951	78139
11	Malaprabha	2079.50	2079.50	2070.90	0.00	34.35	34.35	23.46	100	0	4389	4389	75706	37182
12	Almatti	1704.81	1703.50	1704.81	-1.31	119.26	115.38	119.26	97	-4	210119	132940	931140	813179
13	Narayanapura	1615.00	1613.33	1614.71	-1.67	26.14	23.71	25.63	91	-2	112729	131015	870542	853313

*Height above Local Ground Level

The inflows into Mettur Dam is also falling due to which the outflow from Mettur Dam is also reducing and hence the river Cauvery will be falling to normal flow conditions and continue in normal flow condition for next 3-4 days.

2.1.4 North Eastern States, West Bengal and Odisha

In view of heavy to very heavy rainfall forecast for next 3 days and Excess rainfall already occurring in Brahmaputra Basin, some of the flood forecasting stations in Assam, North Bengal are likely to rise and flow in Above Normal to Severe Flood Situation. Similarly in view of forecasted rainfall in Odisha some of the East Flowing Rivers and Mahanadi may also rise during the next 3 days.

2.2 Flood Alerted Districts

Maharashtra: Districts along the river courses of **Wainganga and their tributaries**
Madhya Pradesh: Districts along the course of rivers **Wainganga, Tapi, Narmada, Betwa, Ken and Chambal**
Rajasthan: Districts along the course of the rivers **Chambal and its tributaries**
Assam: Low lying areas along river course of **Brahmaputra** in Jorhat, **Jia-Bharali** in Sonitpur





Flood Affected/ Alerted Districts in the Country

