



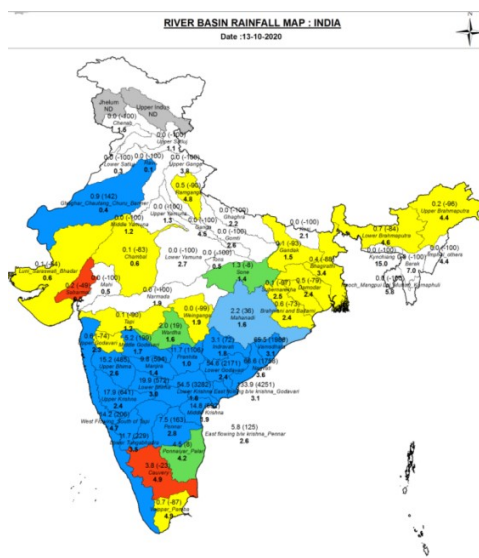
Central Water Commission
Special Advisories in association with Deep Depression
13-10-2020 at 1700 hrs

1. Meteorological Situation

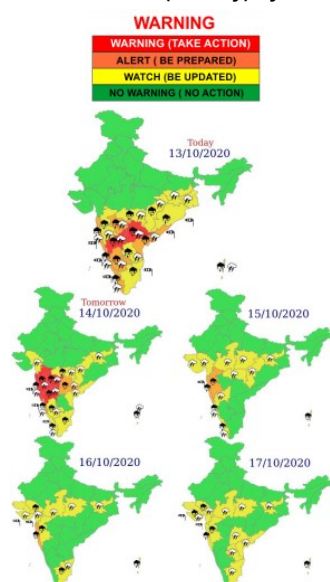
Deep Depression crossed north Andhra Pradesh coast close to Kakinada during the early morning of 13th October 2020 and is now seen as a Depression about 95 km west northwest of Kakinada. Due to this extremely heavy to very heavy rainfall (in cm) occurred at the following places:

Andhra Pradesh & Yanam - Yanam-25; Amalapuram, Tanuku & Nuzvid-19 each; Tadepalligudem-18; Vijaywada & Bheemunipatnam-16 each; Kaikalur, Palasa, Ichchapuram & Tiruvuru-15 each; Velamanchili-14; Chintalapudi, Sompeta, Gudibada & Mandasa-13 each; **Telangana** - Sathupalle-19, Mahabubabad-13 and **Odisha** - Mohana-14.

Basinwise rainfall distribution indicates that Krishna and Godavari Basin have received Excess Rainfall for the second consecutive Day as indicated in the Map below:



1.2 Rainfall forecast for next 5 days issued on 13th October, 2020 (Midday) by IMD



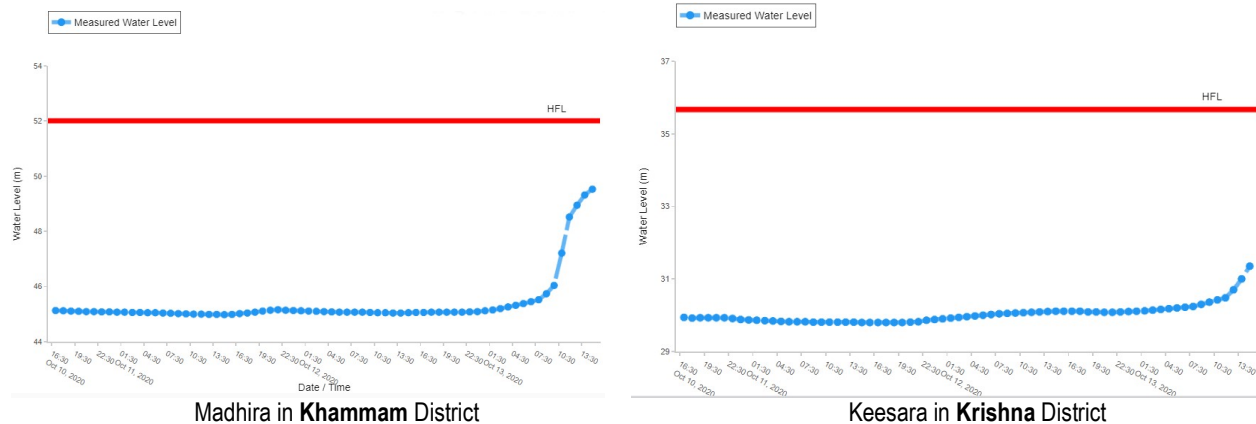
Rainfall Forecast

Date	Extremely heavy	Very heavy
13/10/2020	Telangana and adjoining Districts of North Interior Karnataka	Coastal Karnataka and remaining Districts of North Interior Karnataka, South Konkan & Goa, Madhya Maharashtra and Marathwada
14/10/2020	Madhya Maharashtra, South Konkan & Goa	North Konkan, North Interior Karnataka and Marathwada

2 CWC Advisories

Krishna Basin

Due to forecasted rainfall, inflows into all dams in Krishna Basin are likely to increase rapidly. Increased Inflows into Narayanpur Dam, Tungabhadra Dam have been witnessed. Due to very heavy rainfall in its catchments, rivers Paleru, Munneru and its tributary Wyra are rising rapidly in **Khammam District in Telangana** and **Krishna District in Andhra Pradesh**. Hydrograph of river Wyra at Madhira in **Khammam District** and river Munneru at Keesara in **Krishna District** are appended.



Due to extremely heavy rain forecasted for **Telangana** today, river Musi and its tributaries are likely to rise rapidly. Musi Dam in **Suryapet District** is likely to receive very heavy inflows. Since the dam is filled upto 95%, it is likely to increase its outflows heavily which may inundate areas in **Suryapet** and **Nalgonda District of Telangana** as well as contributing in increasing the inflows into Pulichintala Project in **Guntur District of Andhra Pradesh**.

Since rainfall is expected all along the Krishna Basin including its tributaries of Bhima, Tungabhadra for next 2-3 days and as all the dams in Krishna Bhima & Tungabhadra Sub-Basins in Maharashtra, Karnataka, Telangana and Andhra Pradesh are very near to Full reservoir Level (FRL), necessary reservoir operation has to be done taking into account the upstream rainfall as well as the downstream flood situation in association with forecasted rainfall by taking a balanced approach to avoid upstream submergence as well as downstream flooding. All project authorities have to inform in advance about the releases made to downstream Districts in the same State as well as to lower riparian States.

Godavari Basin

Since rainfall is expected all along the Godavari Basin for next 2-3 days and as all the dams in Godavari, Purna, Sindhpana, Mula, Manjira, Kaddam, Maner, Manjira Sub-Basins in Maharashtra, Karnataka, Telangana are very near to Full reservoir Level (FRL), necessary reservoir operation has to be done taking into account the upstream rainfall as well as the downstream flood situation in association with forecasted rainfall by taking a balanced approach to avoid upstream submergence as well as downstream flooding. All project authorities have to inform in advance about the releases made to downstream Districts in the same State as well as to lower riparian States.

Nagavali & Vamsadhara Basin

Due to ongoing rainfall in South Odisha river Vamsadhara at Gunupur in Rayagada District and Kashinagar in Gajapati District of Odisha are expected to touch warning level by tonight and then slowly fall.

Cauvery and West Flowing Rivers Basin

Due to very heavy rainfall occurring in Ratnagiri, Sindhudurg in Maharashtra, Goa, Udupi and Dakshina Kannada Districts of Karnataka, west flowing rivers between Tapi and Tadri, Tadri and Kanyakumari basins are likely to rise rapidly. Close watch is to be maintained for flash flood like situation. The expected heavy rainfall in Chickmagalur, Hassan and Kodagu District as well as Wynad District in Kerala, slow rise in inflows is expected in reservoirs in Cauvery Basin. Since most of the dams are near FRL careful operation of reservoir ahs to ensured.

Storage Position in Dams of Kerala, Karnataka, Maharashtra, Telangana, Andhra Pradesh & Odisha where Inflow forecast is being issued by CWC as on 13th October 2020

#	River	Station	State	Present Gross Storage (%)	Rainfall Warning
1	Nira	Veer Dam	Maharashtra	100	Yes
2	Bhima	Ujjani Dam	Maharashtra	100	Yes
3	Ghataprabha	Hidkal Dam	Karnataka	100	Yes
4	Wardha	Upper Wardha Project	Maharashtra	100	Yes
5	Penganga	Issapur Project	Maharashtra	100	Yes
6	Warana	Warana Dam	Maharashtra	100	Yes
7	Tungabhadra	Tungabhadra Dam	Karnataka	100	Yes
8	Krishna	Almatti Dam	Karnataka	100	Yes
9	Purna	Yeldari Dam	Maharashtra	100	Yes
10	Cauvery	Krishnarajasagar	Karnataka	100	Yes
11	Godavari	Sriramasagar	Telangana	100	Yes
12	Godavari	Jaikwadi Dam	Maharashtra	100	Yes
13	Mula	Mula Dam	Maharashtra	100	Yes
14	Pench	Totladoh Project	Maharashtra	100	Yes
15	Sindhpana	Manjlegaon	Maharashtra	99.6	Yes
16	Tapi	Hathnur Dam	Maharashtra	99.45	Yes
17	Koyna	Koyna Dam	Maharashtra	99	Yes
18	Malaprabha	Malaprabha Dam	Karnataka	99	Yes
19	Bhadra	Bhadra Dam	Karnataka	99	Yes
20	Mahanadi	Hirakud Dam	Odisha	98.5	Yes
21	Krishna	Pulichintala Dam	Andhra Pradesh	98	Yes
22	Krishna	Srisaillam Dam	Andhra Pradesh	98	Yes
23	Brahmani	Rengali Dam	Odisha	97.8	Yes
24	Kabini	Kabini Dam	Karnataka	97	Yes
25	North Pennar	Somasila Dam	Andhra Pradesh	95.9	Yes
26	Krishna	Narayanpur Dam	Karnataka	95	Yes
27	Harangi	Harangi Dam	Karnataka	95	Yes
28	Musi	Musi Project	Telangana	95	Yes
29	Hemavathy	Hemavathy Dam	Karnataka	93	Yes
30	Godavari	SripadaYellampally Dam	Telangana	91.19	Yes
31	Kaddamvagu	Kaddam Dam	Telangana	91.02	Yes
32	Machhkund	Machhkund Project	Odisha	87.92	Yes
33	Periyar	Idduki Dam	Kerala	85.6	Yes
34	Edamalayar	Idamalayar	Kerala	84.92	Yes
35	Krishna	Jurala Project	Telangana	83	Yes
36	Balimela	Balimela Project	Odisha	72.83	Yes
37	Indravathi	Upper Indravathi Project	Odisha	72.15	Yes
38	Manjira	Singur Dam	Telangana	71.32	Yes
39	Wainganga	Gosikhurd Dam	Maharashtra	70.67	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).