

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
RAJYA SABHA

UNSTARRED QUESTION NO.875

ANSWERED ON 28.07.2025

WEB BASED C-FLOOD PLATFORM FOR INUNDATION FORECASTING

875. SHRI ASHOKRAO SHANKARRAO CHAVAN

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) whether Government has launched/inaugurated a web based C-Flood platform;
- (b) if so, the details thereof along with the aims and objectives of the said platform;
- (c) the salient features of the said platform;
- (d) the details of the river basins which are likely to be covered by this system in the initial phase; and
- (e) the time by when all the river basins will be covered by the said system?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) to (e) Government has launched/inaugurated a web based C-Flood platform. It provides two days advance inundation forecasts up to village level in the form of inundation maps and water level predictions. The salient features of C-flood web-based platform are:

- C-Flood integrates flood inundation output information derived from advanced 2D hydrodynamic modelling with extent and depth information.
- It has been designed to serve as an unified inundation information system integrating flood modelling outputs from national and regional agencies for all river basins as per their respective action plans. It covers inundation forecasts for the Godavari, Tapi and Mahanadi River Basins in initial phase.
- The web-portal supports three-language, namely, Hindi, English & Odia in initial phase.
- It includes inundation forecast for the next two days. It shows inundation information up to the village level.
- It indicates three categories of Flood Alerts based on the inundation depth: Yellow Alert indicates inundation below 0.5m, an Orange Alert corresponds to depths below 1.5m, and a Red Alert signifies inundation exceeding 1.5m.
