

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

RAJYA SABHA

UNSTARRED QUESTION NO. 1841

ANSWERED ON 09.03.2026

EARLY WARNING SYSTEM FOR FLOOD

1841 Smt. MAMATA THAKUR:

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

- (a) the number of flood-early-warning systems and real-time sensors installed or upgraded along the Sundarbans and northern coastal districts of the State of West Bengal since 2023; and
- (b) the number of alerts issued to local administrations in these districts during the last two years and the average lead-time of alerts?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) & (b) The coastal areas along the Sundarbans delta often experience high tidal surges resulting in severe erosion and inundation to the country sides. The establishment of Coastal Management Information System (CMIS) sites in West Bengal at two locations, namely: (i) the sector between the southeast and west of Sagar Islands, and (ii) the Digha–Mandarmani sector has been approved by Government of India.

The proposed CMIS sites are intended to collect nearshore data on coastal processes, which will support maritime States/UTs in the formulation of scientific and data-driven coastal erosion protection plans and proposals.

In order to provide more lead time to the local authorities to plan evacuation of people & take other remedial measures, Central Water Commission (CWC) has developed basin wise flood forecasting model based on rainfall-runoff mathematical modelling for 7 days advance flood forecast advisory at identified flood forecasting and inflow forecasting stations in addition to short-range forecast having response time upto 24 hours. Its dissemination is through the dedicated website, namely, <https://aff.india-water.gov.in>.

CWC flood forecasting services are also integrated with integrated alert dissemination platform Common Alert Protocol (CAP) issued to the State Disaster Management Authority (SDMA) of the respective States/ UTs.

During last two years i.e 2024 and 2025, 817 and 941 nos. of flood forecast (level & inflow) were issued respectively for the West Bengal.
