

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

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2011**

ANSWERED ON 07.08.2023

**MODERNISATION OF FLOOD FORECASTING NETWORK**

2011. SHRI SANDOSH KUMAR P

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

- (a) whether the flood forecasting scheme has helped Government to avoid the devastating effects of floods in the country;
- (b) the role of the Central Water Commission in predicting flood situations in various parts of the country;
- (c) the current status of the modernisation and expansion of the flood forecasting network;
- (d) the total fund allocated for the flood forecasting scheme; and
- (e) the fund allotted for the State Governments under the scheme?

**ANSWER**

**THE MINISTER OF STATE FOR JAL SHAKTI**

(SHRI BISHWESWAR TUDU)

**(a) to (c)** As per constitutional provisions, the subject of flood management falls within the purview of the States & UTs.

CWC issues flood forecasts as a non-structural measure for flood management, to concerned State Governments. CWC also issues inflow forecasts to identified reservoirs for proper reservoir regulation and level forecast for surging rivers.

During the rainy season, particularly in monsoon months, the flood forecasting advisories provided by CWC to the States and District Authorities have benefited them to take timely responses and mitigation measures to save life and properties. Based on the pattern of these flood forecasts, the State Government and District authorities develop holistic plans for such areas and for deployment of response teams and resources.

Presently, flood forecasts are issued by CWC at 338 stations (138 Inflow Forecast Stations + 200 Level Forecast Stations) as per Standard Operating Procedure. The network has been established in consultation with State Govt./Project authorities which also includes stations on the river passing through and nearby towns and cities. Public dissemination of flood forecasts is through a dedicated website <https://ffs.india-water.gov.in/>.

CWC establishes new flood forecasting stations with the consent from respective State Governments/UTs. In order to meet the requirement of real-time data collection, automatic data transmission and flood forecast formulation, expeditious data/information dissemination, the Central Water Commission has undertaken modernization of its data collection and flood forecast network. 1054 Telemetry stations have been installed.

(d) & (e) Details of fund allocated and spent in Flood Forecasting Scheme are as below:

(Rs. In Crore)

| Plan scheme              | Financial Year | BE                | RE             | Expenditure    |
|--------------------------|----------------|-------------------|----------------|----------------|
| <b>Flood forecasting</b> | 2007-08        | 16.000            | 12.740         | 13.640         |
|                          | 2008-09        | 23.000            | 19.722         | 13.997         |
|                          | 2009-10        | 25.000            | 20.000         | 17.618         |
|                          | 2010-11        | 36.000            | 25.000         | 24.254         |
|                          | 2011-12        | 36.000            | 36.000         | 33.145         |
|                          | 2012-13        | 48.000            | 30.000         | 25.184         |
|                          | 2013-14        | 150.000           | 25.000         | 25.325         |
|                          | 2014-15        | 100.000           | 32.000         | 31.313         |
|                          | 2015-16        | 40.000            | 36.069         | 36.107         |
|                          | 2016-17        | 60.000            | 42.040         | 39.930         |
|                          | 2017-18        | 65.000            | 45.000         | 38.420         |
|                          | 2018-19        | Merged with DWRIS |                |                |
|                          | <b>Total</b>   | <b>599.000</b>    | <b>323.571</b> | <b>298.932</b> |

(Rs. in Crore)

| Plan scheme              | Financial Year | BE             | RE             | Expenditure    |
|--------------------------|----------------|----------------|----------------|----------------|
| <b>DWRIS Plan scheme</b> | 2018-19        | 211.270        | 96.930         | 76.124         |
|                          | 2019-20        | 104.931        | 135.000        | 128.267        |
|                          | 2020-21        | 140.000        | 130.000        | 128.537        |
|                          | 2021-22        | 175.000        | 160.000        | 155.310        |
|                          | 2022-23        | 185.000        | 159.355        | 157.377        |
|                          | 2023-24        | 162.130        |                | 43.34 *        |
|                          | <b>Total =</b> | <b>978.331</b> | <b>681.285</b> | <b>688.955</b> |

\*expenditure as on 31.07.2023.

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