#### **GOVERNMENT OF INDIA**

#### MINISTRY OF JAL SHAKTI

### DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

#### LOK SABHA

# **UNSTARRED QUESTION NO. 485**

ANSWERED ON 28.11.2024

#### **FLOOD WATCH INDIA APP 2.0**

485. Shri P P Chaudhary Dr. Vinod Kumar Bind

Smt. Smita Uday Wagh Shri Pratap Chandra Sarangi

Shri Dhaval Laxmanbhai Patel Smt. Aparajita Sarangi

Shri Suresh Kumar Kashyap

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

- (a) the aims and objectives of the Flood Watch India App 2.0 along with the current status of its functioning in the country;
- (b) whether there is any significant increase in the number of stations covered since its initial launch and if so, the details thereof;
- (c) whether this system also covers flood affected Valsad Parliamentary Constituency and Himachal Pradesh and if so, the details thereof; and
- (d) whether the app uses any advance technology to provide accurate flood forecast and if so, the details thereof?

# ANSWER

#### THE MINISTER OF STATE FOR JAL SHAKTI

# (SHRI RAJ BHUSHAN CHOUDHARY)

(a) The aim of the Flood Watch India App is to provide near real time flood information available at the monitoring/Flood Forecast (FF) stations of CWC and further disseminate the formulated river forecast at FF stations of CWC to the general public and other government stakeholders to make timely decisions for disaster preparedness.

# Its objectives are:

- to provide information of current flood situation at monitoring/FF stations of CWC
- to disseminate formulated short range and 7-day advisory level forecast for FF stations of CWC
- to provide information in multiple formats (readable and audio) and languages (Hindi and English)
- to provide information of storage positions of 150 major reservoirs with Pan-India coverage.

- **(b)** The number of stations showing information of current flood condition has been increased from 200 to 592 since its initial launch. Further, this version also provides additional information regarding the storage positions of 150 major reservoirs in the country which shall help in better understanding of the possible flood situation in their downstream areas.
- (c) CWC has one level flood forecast station at Vapi and one inflow forecast station for Madhuban dam in Valsad district of Gujarat and the App covers only the level forecast station. The App also shows information of twenty-seven flood monitoring stations in the state of Himachal Pradesh. Details of stations in Himachal Pradesh are provided in **Annexure**.
- (d) The Flood Watch App is a visualization/dissemination tool that fetches current flood information & formulated forecast i.e. information predicted through gauge-to-gauge correlation (short range) and mathematical modeling (7-day flood advisory). It is built for both Android and iOS users.

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# **ANNEXURE**

# ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 485 TO BE ANSWERED IN LOK SABHA ON 28.11.2024 REGARDING "FLOOD WATCH INDIA APP 2.0".

# Flood monitoring stations in Himachal Pradesh

S.NO.	STATION	DISTRICT	BASIN	RIVER
1	BAROT	MANDI	INDUS	UHL
2	DADAHU/RENUKA	SIRMAUR	GANGA	GIRI
3	GANGUWALA	SIRMAUR	GANGA	BATA
4	GAURA	SOLAN	GANGA	ASHANI
5	GHALUWAL	UNA	INDUS	SWAN
6	GHOUSHAL	LAHUL AND SPITI	INDUS	CHANDRA
7	GULLING	LAHUL AND SPITI	INDUS	PIN
8	HANSA	LAHUL AND SPITI	INDUS	SPITI
9	JATEON BARRAGE	SIRMAUR	GANGA	GIRI
10	KHAB	KINNAUR	INDUS	SATLUJ
11	KHERI	SIRMAUR	GANGA	GIRI
12	MEENUS (KHAD)	SIRMAUR	GANGA	MEENUS
13	MEENUS(TONS)	SIRMAUR	GANGA	TONS
14	MIYAR NALLAH	LAHUL AND SPITI	INDUS	MIYAR NALLAH
15	MOORANG	KINNAUR	INDUS	SATLUJ
16	NATHPA	KINNAUR	INDUS	SATLUJ
17	PANDOA	SHIMLA	INDUS	SATLUJ
18	PAONTA	SIRMAUR	GANGA	YAMUNA
	POWARI (SHIFTED TO			
19	MOORANG)	KINNAUR	INDUS	SATLUJ
20	RAMPUR_1	SHIMLA	INDUS	SATLUJ
21	ROPA	KINNAUR	INDUS	ROPA KHAD
22	SANGLA	KINNAUR	INDUS	BASPA
23	SHALKHAR	KINNAUR	INDUS	SPITI
24	TANDI	LAHUL AND SPITI	INDUS	BHAGA
25	TITANG	KINNAUR	INDUS	SATLUJ
26	UDAIPUR	LAHUL AND SPITI	INDUS	CHANDER BHAGA
27	YASHWANT NAGAR	SIRMAUR	GANGA	GIRI

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