

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

**UNSTARRED QUESTION NO. 1597**

ANSWERED ON 15.12.2022

**FLOOD MONITORING SYSTEM**

1597 DR. SANJAY JAISWAL

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

- (a) whether it is true that the Union Government is working on a new flood monitoring system in collaboration with the Government of Nepal;
- (b) if so, the details thereof;
- (c) the details of the States and areas in which the Government proposes to deploy this system;
- (d) whether the Government has any proposal to use this system in Northern Bihar particularly in West Champaran; and
- (e) if so, the details thereof?

**ANSWER**

THE MINISTER OF STATE FOR JAL SHAKTI  
(SHRI BISHWESWAR TUDU)

**(a) to (e)** : As a non structural measure of flood management, Central Water Commission (CWC) issues flood forecasts for 333 forecasting stations (199 river level forecast stations & 134 dam/ barrage inflow forecast stations) in the country. These stations cover 20 major river basins in 23 States & 2 Union Territories. In respect of rivers common to Nepal and India namely, Sharda, Ghaghra, Rapti, Gandak, BurhiGandak, Bagmati, Kamala, Kosi, Mahananda, etc. flood forecast is formulated considering the rainfall in the catchment of rivers in Nepal utilizing meteorological and hydro-meteorological data available through website of Department of Hydrology & Meteorology, Government of Nepal. These data are updated on an hourly basis during monsoon season and are utilised directly in the 24 hour flood forecasts being formulated by Divisional Flood Control Rooms of CWC in Lucknow and Patna.

There are 40 level forecasting stations and 3 inflow forecasting stations in Bihar as per details given at **Annexure – I**. Dissemination of flood forecasts is through a dedicated website <https://ffs.india-water.gov.in/>.

CWC is also issuing five-day advisory flood forecast on its web portal <https://aff.india-water.gov.in/> through rainfall-based mathematical modelling for major river basins of the country covering 199 water level and 134 reservoir inflow forecast stations including 40 level and 3 inflow forecasting stations in the state of Bihar. The system is developed using computational techniques for flood forecasting which is updated every three hours for all the stations simultaneously in automatic mode during monsoon season.

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) TO (e) OF UNSTARRED QUESTION NO. 1597 TO BE ANSWERED IN LOK SABHA ON 15.12.2022 REGARDING “FLOOD MONITORING SYSTEM”****Central Water Commission Flood Forecasting Stations in Bihar.**

<b>Flood Forecasting Information in Bihar</b>				
<b>Sl.No.</b>	<b>Name of the river</b>	<b>Name of FF site</b>	<b>District</b>	<b>Basin Name</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>10</b>
<b>Level Forecast</b>				
1	Ganga	Buxar	Buxar	Ganga & its tributaries
2	Ganga	Patna Dighaghat	Patna	Ganga & its tributaries
3	Ganga	Patna Gandhighat	Patna	Ganga & its tributaries
4	Ganga	Hathidah	Patna	Ganga & its tributaries
5	Ganga	Munger	Munger	Ganga & its tributaries
6	Ganga	Bhagalpur	Bhagalpur	Ganga & its tributaries
7	Ganga	Kahalgaon	Bhagalpur	Ganga & its tributaries
8	Ghaghra	Darauli	Siwan	Ganga & its tributaries
9	Ghaghra	GangpurSiswan	Siwan	Ganga & its tributaries
10	Ghaghra	Chhapra	Chhapra	Ganga & its tributaries
11	Gandak	Chatia	East Champaran	Ganga & its tributaries
12	Gandak	Rewaghat	Muzzafarpur	Ganga & its tributaries
13	Gandak	Hazipur	Vaishali	Ganga & its tributaries
14	BurhiGandak	Lalbeghiaghat	East Champaran	Ganga & its tributaries
15	BurhiGandak	MuzzafarpurSikandarpur	Muzzafarpur	Ganga & its tributaries
16	BurhiGandak	Samastipur	Samastipur	Ganga & its tributaries
17	BurhiGandak	Rosera	Samastipur	Ganga & its tributaries
18	BurhiGandak	Khagaria	Khagaria	Ganga & its tributaries
19	Bagmati	Benibad	Muzzafarpur	Ganga & its tributaries
20	Bagmati	Hayaghat	Darbhangha	Ganga & its tributaries
21	Bagmati	Dheng Bridge	Sitamarhi	Ganga & its tributaries

22	Adhwara Group	Kamtaul	Darbhanga	Ganga & its tributaries
23	Adhwara Group	Ekmighat	Darbhanga	Ganga & its tributaries
24	Adhwara	Sonebarsha	Sitamarhi	Ganga & its tributaries
25	KamlaBalan	Jainagar	Madhubani	Ganga & its tributaries
26	Bagmati	Runisaidpur	Sitamarhi	Ganga & its tributaries
27	Parwan	Araria	Araria	Ganga & its tributaries
28	KamlaBalan	Jhanjarpur	Madhubani	Ganga & its tributaries
29	Kosi	Basua	Supaul	Ganga & its tributaries
30	Kosi	Baltara	Khagaria	Ganga & its tributaries
31	Kosi	Kursela	Katihar	Ganga & its tributaries
32	Mahananda	Dhengraghat	Purnea	Ganga & its tributaries
33	Mahananda	Jhawa	Katihar	Ganga & its tributaries
34	Mahananda	Taibpur	Kishanganj	Ganga & its tributaries
35	Gandak	Dumariaghat	Gopalganj	Ganga & its tributaries
36	Burhigandak	Ahirwalia	East Champaran	Ganga & its tributaries
37	Sone	Inderpuri	Rohtas	Ganga & its tributaries
38	Sone	Koelwar	Bhojpur	Ganga & its tributaries
39	Sone	Maner	Patna	Ganga & its tributaries
40	PunPun	Sripalpur	Patna	Ganga & its tributaries
<b>Inflow Forecast</b>				
1	Sone	Indrapuri Barrage	Rohtas	Ganga & its tributaries
2	Gandak	Gandak Barrage	West Champaran	Ganga & its tributaries
3	Kosi	Kosi Barrage	Supaul	Ganga & its tributaries

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