

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

**RAJYA SABHA**

**UNSTARRED QUESTION NO. 891**

ANSWERED ON 11.12.2023

**FLOOD FORECASTING SCHEME IN ODISHA**

891. DR. AMAR PATNAIK

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

- (a) the details of the local infrastructure developed in the State of Odisha under the Flood Forecasting Scheme;
- (b) whether Government proposes to increase the number of Inflow and Level Forecast Stations in Odisha considering that the State has one of the highest numbers of cyclones and floods categorized in the severe and critical magnitudes;
- (c) if so, the details and timeline of establishment thereof, if not, the reasons therefor; and
- (d) the details of schemes and expenses borne by Government for the development of disaster-resilient infrastructure and rehabilitation in Odisha for the past five years?

**ANSWER**

**THE MINISTER OF STATE FOR JAL SHAKTI**

(SHRI BISHWESWAR TUDU)

**(a) to (c)** Central Water Commission (CWC) issues flood forecasts at identified locations for efficient flood management, to concerned State Governments. CWC also issues inflow forecasts to identified reservoirs for proper and timely reservoir regulation.

In the State of Odisha, CWC has a regional Chief Engineer office, Mahanadi Eastern River Organisation, Bhubaneswar, under which there is one Hydrological Observation Circle, Bhubaneswar, one Monitoring & Appraisal Dte., Bhubaneswar and two divisions namely (1) Mahanadi Division, Burla & (2) Eastern Rivers Division, Bhubaneswar.

At the country level, CWC provides short range forecast at 338 stations (138 Inflow Forecast Stations + 200 Level Forecast Stations) as per Standard Operating Procedure and the forecast is available through a dedicated website <https://ffs.india-water.gov.in/>. CWC also prepares 7 days advisory flood forecast based on IMD weather forecasts and using various satellite inputs through River basin mathematical models which is further disseminated through web Portal and periodic Bulletins. Details of Flood Forecasting activities in Odisha may be seen in the **Annexure**. The network has been established in consultation with State Government/Project Authorities, which also includes stations on the river passing through nearby towns and cities.

**(d)** During last 5 years, in this regard, an amount of Rs. 18.29 Cr. has been released to the State Govt. of Odisha for the project namely, "Flood protection works to Brahamani-Kelua-Birupa Doab of Brahamani system of Odisha (OR-75)". The project has already been completed in March, 2015.

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) to (c) OF UNSTARRED QUESTION NO. 891 TO BE ANSWERED IN LOK SABHA ON 11.12.2023 REGARDING “FLOOD FORECASTING SCHEME IN ODISHA”.**

**Flood Forecasting activities in Odisha :**

Central Water Commission maintains 19 Flood Forecasting stations in Odisha. Out of 19 forecasting sites, 12 is water level forecasting station and 7 are inflow forecasting stations in Subarnarekha, Mahanadi, Barhmani and Baitarani and Mahanadi to Pennar and Godavari basins.

<b>Flood Forecasting Information in Odisha</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>5</b>
<b>Level Forecast</b>				
1	Subarnarekha	Rajghat	Balasore	Subarnarekha Basin
2	Burhabalang	NH_5_Road Bridge	Balasore	Subarnarekha Basin
3	Baitarni	Anandpur	Keonjar	Brahmani & Baitarani
4	Baitarni	Akhuapada	Bhadrak	Brahmani & Baitarani
5	Brahmani	Jenapur	Jajpur	Brahmani & Baitarani
6	Rishikulya	Purushottampur	Ganjam	EF ( Mahanadi to Pennar)
7	Vamsadhara	Gunupur	Rayagada	EF ( Mahanadi to Pennar)
8	Vamsadhara	Kashinagar	Gajapati	EF ( Mahanadi to Pennar)
9	Mahanadi	Naraj	Cuttack	Mahanadi Basin
10	Mahanadi	Alipingal Devi	Jagatsinghpur	Mahanadi Basin
11	Mahanadi	Nimapara	Puri	Mahanadi Basin
12	Jalaka	Mathani Road Bridge	Balasore	Subarnarekha Basin
<b>Inflow Forecast</b>				
13	Baitarani	Salandi Dam	Kendujhar	Brahmani & Baitarani
14	Indravathi	Upper Indravathi Project	Nabarangpur	Godavari Basin
15	Kolab	Kolab Project	Koraput	Godavari Basin
16	Machhkund	Machhkund Project ( Jalaput)	Koraput	Godavari Basin
17	Sileru	Balimela Project	Malkangiri	Godavari Basin
18	Brahmani	Rengali Dam	Angul	Brahmani & Baitarani
19	Mahanadi	Hirakud Dam	Sambalpur	Mahanadi Basin

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