

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

UNSTARRED QUESTION NO:6

ANSWERED ON:22.11.2012

SAFETY OF DAMS

Dhanaplan Shri K. P.;Thakor Shri Jagdish

Will the Minister of WATER RESOURCES be pleased to state:

- (a) whether the Government has conducted inspection to ensure that all the dams with country are safe;
- (b) if so, whether the Government is planning to provide any special assistance for the renovation of old dams;
- (c) if so, the details thereof the dams identified for the same and the amount allocated for each of them; and
- (d) the details of steps taken to ensure that all the dams are resistant to earthquakes.

Answer

THE MINISTER OF WATER RESOURCES (SHRI HARISH RAWAT)

(a) Responsibility for safety inspection of dams rests with the project owners, who are mostly State Governments or Public Sector Undertakings. Necessary guidelines in this regard have been issued to the states.

(b) The Central Government has taken initiative for the rehabilitation of old dams in some states under 'Dam Rehabilitation and Improvement Project (DRIP)' with the financial assistance from the World Bank.

(c) About 223 large dams in four states namely Kerala, Madhya Pradesh, Orissa and Tamil Nadu are identified for rehabilitation under DRIP. Some more states may join the project at later stage of project implementation. The overall project supervision and coordination is being carried out by the Central Water Commission. The details of DRIP dams and estimated cost is summarised are as under:

	No. of DRIP Dams	Project Cost (in Rs. crore)
Kerala	31	279.99
Madhya Pradesh	50	314.54
Orissa	38	147.74
Tamil Nadu	104	745.49
Central Water Commission		132.00
Un allocated (For new states)		480.24
Total		2100.00

State-Wise list of the dams and their cost allocation under DRIP is given at Annexure-I

(d) Before taking up the construction of any proposed dam in the country, a detailed analysis & design is carried out as per relevant guidelines/ Indian Standards Codes. To account for any seismic eventuality, seismic studies to determine the site specific design

Earthquake parameters are carried out through reputed institutions viz. IIT Roorkee, CWPRS Pune etc. The design earthquake parameters are then approved by National Committee on Seismic Design Parameters (NCSDP) which comprise of experts from the various organizations of national repute. The seismic data/past history of Earthquakes in the country is maintained by Indian Meteorological Department (IMD) and their data is used for carrying out these studies. The seismic safety of the dams and other appurtenant structures is taken care of in the design by providing adequate factor of Safety (FOS).