

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1274
ANSWERED ON 27.07.2023**

HYDRO ELECTRIC GENERATION

1274. PROF. SOUGATA RAY:

**Will the Minister of POWER
be pleased to state:**

- (a) whether the Government has conducted any study on future of hydro electric generation in the country;**
- (b) if so, the details thereof;**
- (c) whether the frequent natural calamities like, flood are causing concerns on the ongoing construction of hydro power projects; and**
- (d) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : Yes, Sir. The Government, in 2013, had constituted a Committee under Central Electricity Authority (CEA) with members from Central Water Commission (CWC), Geological Survey of India (GSI), Survey of India (Sol), National Remote Sensing Agency (NRSA), Ministry of Environment, Forest & Climate Change (MoEF&CC) for finalizing the Terms of Reference (ToR) regarding basin-wise reassessment of hydroelectric potential in the country. The reassessment study was carried out by CEA during the period 2017-23. As per the study, the assessed hydropower potential from major / medium schemes (i.e. schemes having capacity above 25 MW) is about 133.4 GW. The state wise details are enclosed at Annexure.

(c) & (d) : The hydro projects are mainly located in the hilly terrains, where the incidence of natural calamities like floods sometimes cause damage to the temporary structures like coffer dam, protection wall, etc. and thereby delay the project(s). Also, due to floods, the roads / bridges may get damaged, which further delay the supply of materials to the project sites and affects its commissioning schedule.

**ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION
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**State-wise Potential of Large Hydro Power
(In terms of Installed capacity - Above 25 MW)**

Region/ State	Identified Potential (MW) (2017-23)
NORTHERN	
Jammu & Kashmir	12265
Ladakh	707
Himachal Pradesh	18305
Punjab	1301
Haryana	0
Rajasthan	411
Uttarakhand	13481
Uttar Pradesh	502
Sub Total (NR)	46971
WESTERN	
Madhya Pradesh	2819
Chhattisgarh	1311
Gujarat	550
Maharashtra	3144
Goa	0
Sub total (WR)	7824
SOUTHERN	
Andhra Pradesh	2596
Telangana	1302
Karnataka	4414
Kerala	2473
Tamil Nadu	1785
Sub Total (SR)	12570
EASTERN	
Jharkhand	300
Bihar	130
Odisha	2825
West Bengal	809
Sikkim	6051
Sub Total (ER)	10115
NORTH EASTERN	
Meghalaya	2026
Tripura	0
Manipur	615
Assam	643
Nagaland	325
Arunachal Pradesh	50394
Mizoram	1927
Sub Total (NER)	55930
ALL INDIA	133410
