

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.2135
TO BE ANSWERED ON 04.07.2019**

CONSTRUCTION OF HYDRO POWER PROJECTS

2135. SHRI TAPIR GAO:

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

- (a) the details of MoUs signed between Union Government and the State Government of Arunachal Pradesh for construction of hydro power projects;
- (b) whether the projects got the required environment and other clearances by the Union Government and if so, the details thereof;
- (c) whether the projects have not been taken off and if so, the details thereof and the reasons therefor;
- (d) whether the Union Government has any alternate plan to harness abundant availability of hydro power in the State and if so, the details thereof; and
- (e) the details of the river basin studies which have been carried out in Arunachal Pradesh by the Union Government and the major outcomes thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) to (c) : No Memorandum of Understandings (MoUs) were signed between Union Government and the State Government of Arunachal Pradesh (GoAP) for construction of Hydropower Projects. However, details of the MoUs signed between Govt. of Andhra Pradesh and Hydro CPSEs under the administrative control of Ministry of Power, along with the status of Environment Clearance (EC) / Forest clearance (FC) received for each of the projects, is given below:-

S.No.	Name of HEP / Developer	IC (MW)	Date of signing of MoU	EC received	FC received	
					Stage-I	Stage-II
1	Ranganadi * / NEEPCO	405	1978 (entrusted by NEC)	26.07.1985	05.07.1990	
2	Kameng ** / NEEPCO	600	31.03.1999	29.03.2001	25.05.1992	03.08.2000
3	Pare HEP*** / NEEPCO	110	21.09.2006	13.09.2006	11.01.2008	24.06.2009
4	Subansiri **** Lower / NHPC	2000	27.01.2010	16.07.2003	10.06.2003	12.10.2004
5	Dibang Multipurpose Project / NHPC	2880	24.06.2007	19.05.2015	15.04.2015	Not received

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6	Tawang Stage-I / NHPC	600	24.06.2007	10.06.2011	Not received	Not received
7	Tawang Stage-II / NHPC	800	24.06.2007	10.06.2011	08.01.2014	Not received
8	Siang Upper St-II / NEEPCO	3750	28.05.2013	TOR clearance: 22.10.2014		
9	Kurung / NEEPCO	330	27.01.2015	TOR clearance: 22.04.2016		
10	Doimukh / SJVNL	52	12.08.2014	GoAP withdrew Doimukh HEP vide its letter dated 13.09.2017.		

* Ranganadi HEP was commissioned by NEEPCO in 2002

** Kameng HEP is in advanced stage of commissioning

*** Pare HEP was commissioned by NEEPCO in 2018

**** construction works of Subansiri Lower HE Project commenced in 2005 but stalled since Dec'11 due to local agitation & stay granted by NGT.

(d) : Government of Arunachal Pradesh is vigorously pursuing private developers and assisting them for completion of the project. Simultaneously, it is considering termination of the projects where the developers have not started the construction. 21 such projects have already been terminated and is proposed to be reallocated to new developers.

Government of India has also approved a number of measures for promoting hydro power sector in the country vide Ministry of Power's OM.No. 15/2/2016 H.I (Pt) dated 08.03.2019, which are as under:

- i) Declaring Large Hydro Power (LHPs) (> 25 MW projects) as Renewable Energy source.
- ii) Hydro Purchase Obligation (HPO) as a separate entity within Non-solar Renewable Purchase Obligation (RPO).
- iii) Tariff rationalization measures for bringing down hydro power tariff.
- iv) Budgetary Support for Flood Moderation/Storage Hydro Electric Projects (HEPs).
- v) Budgetary Support to Cost of Enabling Infrastructure, i.e. roads/bridges.
 - a. Rs. 1.5 crore per MW for projects upto 200 MW.
 - b. Rs. 1.0 crore per MW for projects above 200 MW.

(e) : **Basin-wise Cumulative Environment Impact Studies, have already been carried out by MoEF&CC through consultants in respect of the Siang, Subansiri, Bichom, Lohit, Dibang, Kameng (excluding Bichom) & Tawang river basins in Arunachal Pradesh. The major outcomes thereof are as below:**

Basin Name	Major Outcome
Siang basin	<ul style="list-style-type: none">• 15 HEPs dropped• FRL reduced in 3 HEPs• Capacity reduced in 1 HEP• E-flow recommended for 28 HEPs
Subansiri basin	<ul style="list-style-type: none">• 1 HEP dropped• 2 HEPs merged into one• E-flow recommended for 1 HEP
Bichom basin	<ul style="list-style-type: none">• 4 HEPs abandoned• Level/ location modification recommended for 1 HEP• E-flow recommended for all project
Lohit Basin	<ul style="list-style-type: none">• 1 HEP dropped
Kameng Basin	<ul style="list-style-type: none">• 7 HEP dropped
Dibang Basin	<ul style="list-style-type: none">• 1 HEP dropped• E-flow recommended on 2 HEPs
Tawang Basin	<ul style="list-style-type: none">• 2 HEPs dropped• Four seasons study recommended for 1 HEP
