

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3213
TO BE ANSWERED ON 12.03.2020**

GAP BETWEEN DEMAND AND SUPPLY OF POWER

3213. SHRI K. NAVASKANI:

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

(a) whether the gap between the demand and supply of power in the country can be bridged by optimum utilisation of the power generation capacity of the hydel power sector and if so, the reaction of the Government thereto;

(b) whether the construction work of hydel power projects in the country is facing a number of bottlenecks, both natural and man-made;

(c) if so, the details thereof and the steps being taken by the Government to remove these bottlenecks;

(d) whether the operational time period of the Hydel power projects have been extended for increasing power generation and accordingly their status have been upgraded; and

(e) if so, the details thereof for the last three years, project and State-wise and the other steps being taken by the Government to augment power generation capacity of the hydel power projects?

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) : At present, there is sufficient installed generation capacity to meet power demand of our country. Hydropower, being a flexible source of power, can help in optimal utilisation of other sources of power, particularly the intermittent renewable energy sources like solar and wind power, by providing critical balancing power to the grid.

(b) & (c) : The major bottlenecks encountered in development of hydro power projects are(i) natural calamities, (ii) difficult terrain & poor accessibility, (iii) geological uncertainties, (iv) issues related to land acquisition, rehabilitation & resettlement issues, (v) local agitations/ resistance, (vi) environment and forest clearance, (vii) inter-state issues, (viii) contractual problems, (ix) financing constraints of developers, (x) lack of long term financing instruments, (xi) court cases etc.

Government of India, in March 2019, approved a number of measures to counter these challenges and to promote hydropower in the country. These include:-

- (i) Declaring Large Hydro Power (LHPs) (> 25 MW projects) as Renewable Energy source.**
- (ii) Hydropower Purchase Obligation (HPO) as a separate entity within Non Solar RPO**
- (iii) Tariff rationalization measures to bring down tariff in the initial years**
- (iv) Budgetary Support for Flood Moderation**
- (v) Budgetary Support for Enabling Infrastructure, i.e. roads/bridges.**

(d) & (e) : The operational time period of hydro power projects is extended by atleast 25 years by undertaking Renovation, Modernization, Uprating and Life Extension (RMU&LE) measures. During the last three years and the current year (i.e from 2016-17 till December 2019), RMU&LE activities were completed for 10 power stations (3 in Central Sector and 7 in State Sector) of capacity 2132.2 MW. This resulted in an additional benefit of 218.8 MW, apart from extended life of 25 years. Details, in this regard, are given at Appendix.

APPENDIX

APPENDIX REFERRED TO IN REPLY TO PARTS (d) & (e) OF UNSTARRED QUESTION NO. 3213 TO BE ANSWERED IN THE LOK SABHA ON 12.03.2020.

State-wise list of Hydro RMU&LE schemes completed during last three years (i.e. 2016-17, 2017-18, 2018-19 and the current year 2019-20 upto December)					
Sl. No	Project, Agency, Inst. Cap. (No. X MW)	Capacity covered under RMU &LE (No. X MW)	Benefits (MW)	Category	Year of Completion
Central Sector					
1	Ganguwal (1x29.25+2x24.2) & Kotla BBMB (1x29.25+2x24.2)	1x24.2 (U-2) 1x24.2 (U-3)	48.4 (LE)	RM&LE	2017-18
2	Dehar Power House (Unit-3), BBMB (6x165)	1x165	-	R&M	2017-18
3	Salal, NHPC (6x115)	5x115	-	R&M	2019-20
State Sector					
4	Sumbal Sindh, J&KSPDC (2x11.3)	2x11.3	-	R&M	2016-17
5	Khatima, UJVNL (3x13.8)	3x13.8	41.40 (LE)	RM&LE	2016-17
6	Sharavathy Generating Station (PhB), KPCL (10x103.5)	10x103.5	-	R&M	2016-17
7	Jaldhaka St.I, WBSEDCL (3x9)	3x9	27 (LE)	RM&LE	2016-17
8	Sholayar – I TANGEDCO (2x35)	2x35	70 (LE) + 14 (U)	RMU&LE	2019-20
9	Sholayar – KSEB (3x18)	1x18 (Unit-3)	18 (LE)	RM&LE	2019-20
10	Idukki 1st Stage KSEB (3x130)	1x130 (Unit-3)	-	R&M	2019-20
TOTAL		2132.2 MW	204.8(LE) + 14 (U)		

Abbreviations: R&M – Renovation & Modernisation; U – Uprating; LE – Life Extension;
