

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1916
ANSWERED ON 19.12.2023

POWER CRISIS IN JAMMU & KASHMIR

1916 SHRI DIGVIJAYA SINGH:
SHRI DHIRAJ PRASAD SAHU:

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

- (a) the details of power plant projects launched, along with costs and progress made in the Union Territory of Kashmir, since 2019;
- (b) the year-wise amount of electricity generated by the Union Territory of Kashmir, since 2018;
- (c) the quantum of electricity required by the State and supplied by Government during the last five years;
- (d) the details of power cuts in hours per day during the last 12 months, month-wise in Kashmir; and
- (e) the steps taken by Government to increase power production and supply in Kashmir during the last five years?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Four (4) nos. of hydroelectric projects namely Kiru (4x156 =624 MW), Ratle (4x205 + 1x30=850 MW) Kwar (4x135 = 540 MW) and Karnah (12 MW) totalling to a capacity of 2026 MW have been launched in UT of Jammu and Kashmir since 2019. The details of projects along with costs & progress made is given at **Annexure-I**

(b) : Jammu & Kashmir State Power Development Corporation Limited (JKSPDC) has generated a total of 48808.68 Million Units of Energy from 2014-15 till November-2023 from 13 Hydro power Projects with installed capacity of 1197.4 MW. The year wise data of energy generation is enclosed at **Annexure-II.**

(c) : The details of power supply position for the UT of Jammu & Kashmir during the last five years and current year (upto November, 2023) is given at **Annexure-III.** These details indicate that the energy deficit in UT of Jammu & Kashmir has been reduced from 17.8% during the year 2018-19 to 1.5% during the year 2023-24 (upto November, 2023).

(d) : The details of month-wise power cuts in Kashmir during the last 12 months given at **Annexure-IV**

(e) : As on November 2023, 2791 MW of power has been allocated to UT of J&K from Central Generating Stations. Ministry of Power has also been allocating additional power to the UT of J&K to help them to meet the increased demand of power during the winter months. In this regard, Ministry of Power have made additional allocation of 393 MW for the month of December-23, 443 MW for the months of January-24 & February-24 and 593 MW for the month of March-24 to UT of J&K.

The major initiative for development of Hydropower in UT of J&K was taken jointly by Government of India and UT of Jammu and Kashmir for transforming J&K into an energy surplus UT. The objective was achieved by signing an MoU on 03.01.2021 between Govt. of J&K and NHPC. Under the MOU, three projects with total installed capacity of 2354 MW viz. Uri (Stage-11) 240 MW, Dulhasti (Stage-II) 258 MW and Sawalkote HEP-1856 MW were given to NHPC for development on Build, Own, Operate and Transfer (BOOT) basis. 930 MW Kirthai II HEP was given to Chenab Valley Power Projects [P] Ltd. (CVPPPL) for development in Joint Venture mode.

Government of India and Government of Jammu and Kashmir have also created Rattle Hydro Power Development Corporation Limited- a JV company between NHPC and JKPCDC for the development of 850 MW Rattle HEP. The project is currently under execution and is expected to be commissioned by May. 2026.

Chenab Valley Power Projects [P] Ltd. (CVPPPL) has been entrusted with construction of following projects on Build, Own, Operate and Maintain (BOOM) basis with aggregate installed capacity of 3094 MW:

- (i) 1000 MW Pakal Dul HEP (project under execution and expected to be completed by September, 2026)
- (ii) 624 MW Kiru HEP (project under execution and expected to be completed by March, 2026)
- (iii) 540 MW Kwar HEP (project under execution and expected to be completed by November, 2026)
- (iv) 930 MW Kirthai- II HEP (Revised TEC under consideration by CEA, MOP GOI)

In addition, JKSPDC, an undertaking of UT of J&K, has identified 14 projects with aggregate Installed capacity of 738.5 MW for execution, which includes the following:

- (i) Two under construction projects (37.5MW Parnai HEP & 12 MW Karnah). The 12 MW Karnah HEP was awarded in September, 2019 and is expected to be completed by July, 2024 whereas the Parnal HEP is expected to be completed by September 2025. These projects are being executed in the frontier Districts of UT of J&K namely Poonch and Kupwara.
- (ii) 93 MW New Ganderbal & 48 MW Lower Kalnai HEPs is at advanced stage of tendering. Another project namely 390 MW Kirthal-II is at the appraisal stage by Central Electricity Authority

From the aforementioned projects, around 7000 MW hydro power capacity addition in phased manner in hydro power generation is expected in next 8 to 10 years. The development of these projects shall have a great impact on the overall economic development of J&K including employment generation of otherwise economically backward areas.

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1916 ANSWERED IN THE RAJYA SABHA ON 19.12.2023***********

List of under execution projects launched since 2019:-

Sl. No	Name of Project	Capacity (in MW)	Estimated cost (in crores)	Physical/Financial Progress (as on October, 2023)	
				Physical	Financial
1	Rattle HEP	850	52881.94	10.35%	8.07%
2	Kiru HEP	624	4287.5	24.03%	24.70%
3	Kwar HEP	540	4526.12	8.15%	11.71%
4	Karnah HEP	12	123.60	53.28%	53%

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1916 ANSWERED IN THE RAJYA SABHA ON 19.12.2023

Year wise details of Energy generated by UT of Jammu & Kashmir:-

Sl. No.	Year	Gross Generation in Million Units
1	2014-15	3958.827205
2	2015-16	4160.379605
3	2016-17	4980.062338
4	2017-18	5267.216628
5	2018-19	5179.502683
6	2019-20	5442.600651
7	2020-21	5115.048025
8	2021-22	5273.684514
9	2022-23	5191.651
10	2023-24 (UPTO NOV)	4239.71682

ANNEXURE-III**ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED
QUESTION NO. 1916 ANSWERED IN THE RAJYA SABHA ON 19.12.2023**

Years	Energy			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
2018-2019	18,988	15,616	3,372	17.8
2019-2020	20,025	16,259	3,767	18.8
2020-2021	19,773	17,222	2,551	12.9
2021-2022	19,957	18,434	1,524	7.6
2022-2023	19,639	19,322	317	1.6
2023-24*(up to November)	12,770	12,577	193	1.5

***Provisional**

ANNEXURE-IV

**ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED
QUESTION NO. 1916 ANSWERED IN THE RAJYA SABHA ON 19.12.2023**

Month	Average power cuts per days (Hrs)- Metered
December-22	3-5
January-23	3-5
February-23	3-5
March-23	3-5
April-23	2-4
May-23	0-1
June-23	0-1
July-23	0-1
August-23	0-1
September-23	0-1
October-23	2-3
November-23	4-5
