GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.960
ANSWERED ON 28.07.2025

INITIATIVES REGARDING NATIONAL ELECTRICITY PLAN 2032

960 # SHRI MANAN KUMAR MISHRA:
SHRI SUBHASH BARALA:
SHRI MITHLESH KUMAR:
SHRI KESRIDEVSINH JHALA:
SMT. KIRAN CHOUDHRY:

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

(a) the estimated maximum demand of electricity targeted to be met under the National Electricity Plan by the year 2032;

(b) the estimated addition to the Central and State transmission systems under the National Electricity Plan to meet the above demand by the year 2032;

(c) the estimated increase in the inter-regional transfer capacity by the year 2032;

(d) whether there are provisions for the supply of electricity to the potential manufacturing centers of Green Hydrogen/Green ammonia under the scheme; and

(e) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): As per National Electricity Plan (Transmission), for the period 2022-32, All India peak electricity demand is projected to be 388 GW by 2031-32. The Government of India is confident of meeting this projected power demand without any shortages.

(b): The details of the transmission system (220 kV and above) planned till 2031-32 under ISTS and Intra- State are given at **Annexure-I**.

(c) : The inter-regional transmission capacity is planned to be increased from around 120 GW as on June 2025 to 168 GW by the year 2031-32.

(d) & (e): As per initial estimates, the additional electricity demand on account of green hydrogen/green ammonia production is around 70 GW by the year 2031-32. Transmission system has been planned for delivery of power to green hydrogen/green ammonia manufacturing hubs in the coastal areas of Gujarat, Odisha, West Bengal, Andhra Pradesh, Tamil Nadu and Karnataka. The planned transmission system would be taken up for implementation in a phased manner commensurate with the progress of establishment of green hydrogen/green ammonia manufacturing hubs. The details of the transmission system planned for delivery of power to green hydrogen/green ammonia manufacturing hubs are given at **Annexure-II**.

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ANNEXURE-I

ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 960 ANSWERED IN THE RAJYA SABHA ON 28.07.2025

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The details of the transmission system (220 kV and above) planned till 2031-32 under ISTS and Intra- State:

		As on 30.06.2025	**Planned addition during July 2025 to March 2032**	**At the end of 2031-32 (31.03.2032)**	**Total**
Transmission lines (ckm)	**ISTS**	2,14,677	79,868	2,94,545	6,48,190
	Intra-State	2,80,728	72,917	3,53,645	
Transformation Capacity (MVA)	**ISTS**	5,68,205	7,13,150	12,81,355	24,11,885
	Intra-State	7,91,498	3,39,032	11,30,530	

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ANNEXURE-II

ANNEXURE REFERRED IN REPLY TO PARTS (d) & (e) OF UNSTARRED QUESTION NO. 960 ANSWERED IN THE RAJYA SABHA ON 28.07.2025

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Details of the transmission system planned for delivery of power to green hydrogen/green ammonia manufacturing hubs

(i) Network Expansion Scheme in Navinal (Mundra) area of Gujarat for drawal of power (under Phase-I Part A)
(ii) Transmission System for supply of power to Green Hydrogen/Green Ammonia manufacturing hub potential in Mundra area of Gujarat under Phase-I: Part B scheme
(iii) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub in Mundra, Gujarat, Phase-II
(iv) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub in Mundra, Gujarat, under Phase-III
(v) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub in Mundra, Gujarat, under Phase-IV
(vi) Transmission System for supply of power to Green Hydrogen/Green Ammonia manufacturing hub in Kandla area of Gujarat (Phase-I)
(vii) Transmission System for supply of power to Green Hydrogen/ Ammonia potential in Kandla area of Gujarat (Phase-II)
(viii) Transmission System for supply of power to Green Hydrogen/ Ammonia potential in Kandla area of Gujarat (Phase-III)
(ix) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Kakinada
(x) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Pudimadka (Vizag)
(xi) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Ramayapatnam
(xii) Transmission system for meeting electricity demand of Green Hydrogen/Green Ammonia manufacturing hub at Tuticorin
(xiii) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Mangalore
(xiv) Eastern Region Expansion Scheme-XXXIV (ERES- XXXIV): for supply of power to Green Hydrogen/Green Ammonia manufacturing hub at Paradeep
(xv) Eastern Region Expansion Scheme-XXXIX (ERES- XXXIX): for supply of power to Green Hydrogen/Green Ammonia manufacturing hub at Gopalpur
(xvi) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Goplapur
(xvii) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Paradeep and Kendrapada
(xviii) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Malkangiri
(xix) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Rayagada
(xx) Transmission System for supply of power to Green Hydrogen/ Green Ammonia manufacturing hub at Shyama Prasad Mukherjee Port

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