

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:2894
ANSWERED ON:30.03.2012
ENERGY MIX
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Will the Minister of POWER be pleased to state:

- (a) the current energy mix in the country including Bihar in terms of Hydrocarbons, intermediates and renewables, State-wise, source-wise and Mega Watt-wise;
- (b) whether the Government proposes or plans to change this energy mix in favour of renewable sources over the next ten years in the country;
- (c) if so, the details thereof;
- (d) the estimated demand of power in the country including Bihar over the next ten years; and
- (e) the steps taken by the Government to augment power generation capacity over the next two decades?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI K.C. VENUGOPAL)

(a): The details of installed power generating capacity in the country (utilities) and Bihar as on 29.02.2012 is given below :

(Fig. in MW)

	Coal	Gas	Diesel	Total Thermal	
All India	1,06,837.38	18,093.85	1,199.35	1,26,130.98	
Bihar	1,724.70	0.00	0.00	1,724.70	
	Nuclear	Hydro	RES	Total	
All India	4,780.00	38,848.40	22,233.17	1,91,992.55	
Bihar	0.00	129.43	76.80	1,930.93	

(b)&(c): Thrust is being given to power generation from renewable sources such as wind, small hydro, bio mass and solar energy. The National Solar Mission is a major initiative of the Government of India and State Governments to promote solar energy in the country. As per the report of Working Group on Power for 12th Plan, capacity addition requirement during 12th Plan is 75,785 MW on an all India basis, based on the Mid Term Appraisal (MTA) capacity addition target of 62,374 MW during 11th Plan. The capacity addition requirement during 13th Plan as per the report of Working Group on Power for 12th Plan is 93,400 MW on all India basis. In addition, as per Strategic Plan document prepared by Ministry of Non-Conventional Energy Sources, capacity of about 50,000 MW is envisaged to be added during the 12th and 13th Plan period leading to a capacity of about 73,000 MW by 2022. This capacity will comprise of 20,000 MW from solar power under the National Solar Mission and the remaining 30,000 MW from renewable energy sources, mainly wind, small hydro and biomass power.

(d): The estimated demand of power in the country and Bihar for the terminal year of 12th Plan (2016-17) and terminal year of 13th Plan (2021-22), as per the 18th Electric Power Survey (EPS) Report, is given below :

	Electric Energy Requirement (MU)	
	2016-17	2021-22
All India	13,54,874	19,04,861

Bihar 29,447 52,975

Peak Electric Load (MW)

2016-17 2021-22

All India 1,99,540 2,83,470

Bihar 5,018 9,306

(e): The steps taken / proposed to be taken by Government to augment power generation capacity addition in the country include the following :

i. Acceleration generating capacity addition.

ii. Development of Ultra Mega Power Projects to reap benefits of economies of scale.

iii. Review of progress of power projects is being done at the highest level by Hon`ble Union Power Minister, Secretary, Ministry of Power and Chairperson, Central Electricity Authority, to identify the constraint areas and facilitate their faster resolution.

iv. Regular reviews are held at various levels including Ministry of Power, Ministry of Heavy Industries, Ministry of Coal, Planning Commission and Cabinet Secretariat to identify the constraint areas and facilitate faster resolution of inter-ministerial and other outstanding issues.

v. An Advisory Group has been set up under the Chairmanship of Hon`ble Union Power Minister with former Secretaries of Ministry of Power, former Secretary of Ministry of Coal and Industry representatives to advise on expeditious completion of ongoing power generation projects and other issues facing power sector.

vi. A Task Force on Hydro Project development has been constituted to look into all issues relating to development of hydropower including issues of Rehabilitation and Resettlement of project affected persons. The Task Force is headed by the Minister of Power.

vii. An Inter-Ministerial Group (IMG) has been constituted in 2009 to evolve a suitable framework to guide and accelerate the development of Hydropower in the North-East.

viii. A number of joint ventures have been/are being set up in the country for manufacture of supercritical steam generators and turbine generators and to ensure that there is no shortage of power equipment in the country.