

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 957**  
TO BE ANSWERED ON 09.03.2017

**ESTABLISHMENT OF NEW ATOMIC POWER PLANTS**

957. SHRI PARVEZ HASHMI:

Will the PRIME MINISTER be pleased to state:

- (a) the details regarding the quantity of electricity estimated to be generated by the atomic power plants proposed to be established by the previous and the present Government;
- (b) the States where the proposals for establishing new atomic power plants were approved after 2014, State-wise; and
- (c) by when the construction work of those power plants would be completed and the details of plans proposed to fulfil the increasing future demand of electricity in the country?

**ANSWER**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

- (a) The target and generation in the current and last two Five Year Plans in respect of Nuclear Power Corporation of India Limited (NPCIL) has been as follows:

	X Plan (2002-2007)	XI Plan (2007-2012)	XII Plan (2012-2017)
Generation Target in Million Units (MU)	82495	124608 <sup>@</sup>	237149
<b>Actual Generation in Million Units (MU)</b>	<b>90354</b>	<b>109642</b>	<b>179710*</b> (up to Feb-2017, including 3348 MU & 2086 MU infirm generation from KKNPP-1&2 respectively)

<sup>\*\*</sup> Kudankulam Nuclear Power Project Unit 2 (KKNPP-2) is presently generating infirm power and is expected to start commercial operation in this financial year.

<sup>@</sup> Mid Term Appraisal (MTA) Target

(b)&(c) The setting up of a nuclear power plant is a spread out activity over a period of time that involves various phases viz. site selection, 'in-principle' approval of site, pre-project activities, administrative approval & financial sanction, statutory clearances followed by construction, commissioning and start of operation. These activities are taken up sequentially.

The plant wise and state wise status appraisal of Nuclear Power since 2014:

<b>A. Ongoing – Capacity Addition</b>	
KKNPP 1&2 (2X1000 MW), Kudankulam, Tamil Nadu	Unit-1 (1000 MW) started commercial operation since Dec-2014. Unit-2 (1000 MW) connected to grid in Aug-2016 and generating infirm power, expected to start commercial operation in this financial year.
<b>B. New Projects</b>	
Gorakhpur Unit-1&2 (7 NP 5&6) (2X700 MW), Haryana	Financial sanction accorded, being readied for launch. Pre-project activities like land acquisition, environmental clearances, regulatory siting clearances completed. Site infrastructure works in advance stage, long delivery equipment are under placement of order.
Chutka Unit-1&2 (7NP 7&8) (2X700 MW), Madhya Pradesh	'In principle' approval accorded, Pre-project activities are in various stages.
Mahi Banswara Unit-1 to 4 (4 x 700 MW), Rajasthan	'In principle' approval accorded, Pre-project activities are in various stages.
Kaiga Unit-5&6 (2 x 700 MW), Karnataka	'In principle' approval accorded, Pre-project activities are in various stages.
Bhimpur Unit-1&2 (2 x 700 MW), Madhya Pradesh	'In principle' approval accorded.
KKNPP 3&4 (2X1000 MW) Kudankulam, Tamil Nadu	Site launched with laying of foundation concrete in Oct-2016 and excavation nearly completed.
KKNPP 5&6 (2X1000 MW), Kudankulam, Tamil Nadu	Proposal for administrative & financial sanction under consideration of government.
JNPP 1 to 6 (6X1650 MW), Jaitapur, Maharashtra	Pre-project activities are in progress, project proposal under discussion with EdF, France
Kovvada Unit-1 to 6 (6X1500 MW), Andhra Pradesh	'In-principle' approval of site accorded, pre-project activities including land acquisition are in various stages. Project unit capacity revised to 1208 MW.

500 MW Prototype Fast Breeder Reactor (PFBR) being constructed by Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI), a Public Sector Undertaking under administrative control of Department of Atomic Energy (DAE) at Kalpakkam, Tamil Nadu is at final stage of commissioning and it may start operation by October 2017.

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