

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 207**  
TO BE ANSWERED ON 24.02.2016

**ATOMIC POWER PLANTS WITH FOREIGN ASSISTANCE**

207. SHRI PRAHLAD SINGH PATEL:  
SHRI DUSHYANT CHAUTALA:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has agreed to allot site for building nuclear power plants by Russian Atomic Energy Corporation and Japan in the country;
- (b) if so, the details thereof including the project cost and time frame set by the Government for completion of the project;
- (c) the number of Atomic/Nuclear Power Plants established in collaboration with Russia and Japan so far;
- (d) whether the Atomic Power Plants established with the help of the above countries encountered mild impairs during its operationalisation; and
- (e) if so, the details thereof and the measures taken in this regard?

**ANSWER**

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

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- (a) The Government has already accorded in-principle approval of the sites at Kudankulam in Tamil Nadu and Haripur in West Bengal for setting up nuclear power reactors in technical cooperation with Russian Federation. An additional coastal site in the state of Andhra Pradesh for setting up nuclear power reactors with Russian technical cooperation is also being explored. There is presently no proposal to set up nuclear power plants in technical cooperation with Japan.

- (b) The details of sites/projects with technical cooperation with Russian Federation are given below:

Location	Nuclear Power Project	Capacity (MW)	Sanctioned Cost (₹ crore)	Status
Kudankulam, Tamil Nadu	Kudankulam Nuclear Power Project Units 1&2 (KKNPP 1&2)	2x1000	17270*	KKNPP-1 is in commercial operation since December 2014. KKNPP-2 is under Commissioning, expected completion by 2016-17.
	KKNPP 3&4	2x1000	39849	Project sanctioned, statutory clearances obtained, excavation has commenced.
	KKNPP 5&6	2x1000		Pre-project activities are in progress. Statutory clearances viz. AERB siting, CRZ & Environmental clearances obtained and Techno-Commercial offer under discussion.
Haripur, West Bengal	Site is approved for 6 x 1000 MW (nominal).			

*\*under second revision to ₹ 22462 crore*

- (c) So far, only one nuclear power project, Kudankulam 1&2 (2X1000 MW) has been set up in cooperation with Russian Federation. No nuclear power project has been set up in cooperation with Japan.
- (d)&(e)The Unit-1 of Kudankulam (KKNPP-1) operated for about twenty months since its grid connection before it was taken for planned shutdown on June 24, 2015 for refueling. The unit had generated 6875 Million Units (including infirm generation of 2243 MUs) of electricity during this period. This was the first planned shutdown after a long operation and required a detailed surveillance and maintenance. Thus, apart from refueling, completing all the surveillance tests as per the technical specifications, mandatory checks on various components as per the manufacturer's recommendation and rectification of the deficiencies identified during the inspection were carried out during the shutdown. Based on the inspections, certain design modifications and replacement of a few components have also been taken up and the unit was subsequently synchronised to the grid on January 30, 2016.