

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:1435
ANSWERED ON:04.03.2015
APPREHENSION OF GENERAL PUBLIC
Chandrakasi Shri M.

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) the steps being taken to mitigate the fears of people of Kudankulam in particular and Tamil Nadu in general who are against setting up of new units of nuclear power plants;
- (b) the per unit cost of power produced in the Kudankulam power plant after taking into account all input costs and the expenditure involved in disposal of nuclear wastes;
- (c) whether the nuclear power plant is economically viable and if so, the details thereof; and
- (d) the details of new nuclear power projects in the country which are being proposed by the Government in view of the increasing future demand for power?

Answer

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

(a) Nuclear Power Corporation of India Limited (NPCIL) is pursuing its public outreach programme at Kudankulam, its surrounding areas and Tamil Nadu state to reach out to all sections of the society and allay the apprehensions about the safety of nuclear power, the project and all related issues in a credible manner. A multi-pronged approach has been adopted in this regard. Some of the main initiatives undertaken include: # Creation and distribution of single sheet pamphlets on various aspects of nuclear energy in simple local language

Distribution of books, comics, CDs etc. about the project

Organising site visits

TV Commercials, Radio Jingles and short films in theatres

Organising Exhibitions

Lecture Presentations in Schools and Colleges

Media Briefings and scientific meets for Journalists

Briefing of Sarpanchs, Peoples representatives, community leaders, state and local officials etc.

E awareness through NPCIL website.

Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI), a public sector undertaking of this Department which is constructing a Prototype Fast Breeder Reactor of 500 MW capacity at Kalpakkam, Tamil Nadu has also taken up neighborhood development activities focusing on four broad areas viz., Education, Health, Infrastructure and Environment and skill development.

(b) The present generation tariff of electricity from Kudankulam unit-1 is 394 paise per unit.

(c) Yes, Sir. The tariffs of electricity through nuclear energy are comparable to those of the contemporary conventional base load power generating units (like coal based thermal power) located in the region. Details in this regard relating to central sector are given below:

Technology Tariff Range (paise / kWh) 2013-14

Nuclear 97 - 394

Coal (Non Pithead Generating Stations) 375 - 529

Coal (Pithead Generating Stations) 147 - 385

Lignite 279 - 401

Natural Gas (APM) 336 - 399

Natural Gas (NAPM) 423 - 439

Liquified Natural Gas (LNG) 920 - 1288

Naphtha/ HSD 846 - 1367

Source: CERC Report on short term power market in India 2013-14 & NPCIL

(d) The following new projects have been accorded administrative approval and financial sanction and are being readied for launch in

2015-16:

Project	Location	Capacity (MW)
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Kudankulam Nuclear Power Project (KKNPP 3&4)	Kudankulam, Tamil Nadu	2 x 1000
Gorakhpur Haryana Anu Vidhyut Pariyojana (GHAVP 1&2)	Gorakhpur, Haryana	2 x 700

In addition, the following projects are also planned. Presently pre-project activities are in progress in these projects.

Project	Location	Capacity (MW)
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Indigenous Reactors

Chutka Madhya Pradesh Atomic Power Project (CMPAPP 1&2)	Chutka, Madhya Pradesh	2 x 700
Mahi Banswara, 1&2	Mahi Banswara, Rajasthan	2 x 700
Kaiga 5&6	Kaiga, Karnataka	2 x 700
Fast Breeder Reactor (FBR 1&2)	Kalpakkam, Tamil Nadu	2 x 500
Advanced Heavy Water Reactor (AHWR)	Location to be decided	300

Reactors with Foreign Cooperation

Jaitapur Nuclear Power Project (JNPP 1&2)	Jaitapur, Maharashtra	2 x 1650
Kovvada, 1 & 2	Kovvada, Andhra Pradesh	2 x 1500
Chhaya Mithi Virdi, 1&2	Chhaya Mithi Virdi, Gujarat	2 x 1100