

(b) and (c) Requirement of fuel for 8 reactors viz., Kaiga Generating Station (KGS)-1 to 4 located at Kaiga, Karnataka; Madras Atomic Power Station (MAPS) 1 and 2 at Kalpakkam, Tamil Nadu; and Tarapur Atomic Power Station (TAPS) 3 and 4 at Tarapur, Maharashtra is met from indigenous sources. As of June 2015, Atomic Minerals Directorate for Exploration and Research (AMD), a constituent Unit under Department of Atomic Energy (DAE) has carried out survey and exploration resulting in establishing 2,25,936t *in-situ* U₃O₈ (1,91,594t Uranium) reserves. The exploration activities are continuous processes carried out in various geological domains across the country. The Government has made efforts to augment indigenous Supply by opening of new mines and processing facilities. As a result there has been a progressive improvement in capacity utilisation of nuclear power plants.

Agreement for supply of Uranium

1124. DR. R. LAKSHMANAN: Will the PRIME MINISTER be pleased to state:

(a) the detail of countries with whom agreement/Memorandum of Understanding (MoU) has been signed by Government for supply of Uranium to India; and

(b) for how long the countries have agreed to supply Uranium under these Agreements/Memorandum of Understandings (MoU)?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH): (a) and (b) The details of organisation/countries with whom Agreement/Memorandum of Understanding (MoU) have been signed by Government for Supply of Uranium to India and the duration of the Contracts are as given below:

Sl. No.	Organisation/Country with whom Agreements are signed	Period of Supply	Remarks
1	2	3	4
1.	M/s. AREVA, France (during 2008)		
	Natural Uranium Ore Concentrate.	One time Supply	Supply is made and contract concluded
2.	M/s. JSC TVEL Corporation, Russia		
	Natural Uranium Di-oxide Pellets (during 2009)	Spread over 5 years	Contract not yet concluded
	Enriched Uranium Di-oxide Pellets (during 2009)	One time Supply	Contract concluded
	Enriched Uranium Di-oxide Pellets (during 2015)	One time Supply	Material to be supplied during the year 2015

1	2	3	4
3.	M/s. NAC Kazatomprom, Kazakhstan		
	Natural Uranium Ore Concentrate (during 2009)	Spread over 5 years	Contract concluded
	Natural Uranium Ore Concentrate (during 2015).	2015-2019*	Contract signed on 8.07.2015
4.	M/s. Navoi Mining and Metallurgical Combinat State Company (NMMC), Uzbekistan		
	Uranium Ore Concentrate. (during 2013)	Spread over 5 years	Supply not yet commenced
5.	M/s CAMECO, Canada		
	Uranium Ore Concentrate. (during 2015)	2015-2020*	Contract signed

*Either party may request the additional delivery year beyond the delivery period by mutual consent.

Utilization of full capacity of Kudankulam Plant

1125. SHRI K. K. RAGESH: Will the PRIME MINISTER be pleased to state:

(a) whether it has been over six months since the commissioning of Kudankulam Nuclear Power Plants;

(b) whether plant is operating in its full capacity;

(c) if so, what is the output of the plant as of now, if not, the reasons for under-utilization of capacity of the plant; and

(d) if so, what are the measures taken by Government to address the worries of the citizens regarding the safety issues of the plant?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH): (a) The Kudankulam Nuclear Power Project Units 1 and 2 (KKNPP 1 and 2) comprises two units of 1000 MW each. Of these, the first unit KKNPP-1 (1000 MW) was synchronised to the grid on October 22, 2013 and commenced commercial operation on December 31, 2014. The second unit, KKNPP-2 is at an advanced stage of commissioning and is expected to be connected to the grid during the current financial year 2015-16.

(b) and (c) KKNPP-1 reached its full capacity on June 07, 2014 and has since demonstrated safe and reliable operation. It operated at full power with a continuous run of 111 days before mid April 2015, when it was due for shutdown for refueling.