

(b) the amount spent so far on such experiments; and

(c) whether the experiments have succeeded in evolving a technology for production of enriched uranium?

THE PRIME MINISTER (SHRI-MATI INDIRA GANDHI) : (a) Studies on various processes of Uranium enrichment technology began at the Bhabha Atomic Research Centre in the late seventies.

(b) These studies form part of our overall research and development efforts. It is not possible to segregate the expenditure incurred on them.

(c) Progress made on these studies is satisfactory.

Difference in Prices Paid to USA and France for Enriched Uranium

626. SHRI AMAL DATTA : Will the PRIME MINISTER be pleased to state :

(a) whether Government are paying a different price to France for enriched uranium than what was agreed to be paid to U.S.A.; and

(b) if so, the loss or gain to India for a year assuming full capacity utilization of the Tarapur Atomic Power Plant?

THE MINISTER OF STATE IN THE DEPARTMENTS OF SCIENCE AND TECHNOLOGY, ATOMIC ENERGY, SPACE, ELECTRONICS AND OCEAN DEVELOPMENT (SHRI SHIVRAJ V. PATIL) : (a) and (b) The rate for enriched uranium being

supplied by France in lieu of United States of America for Tarapur Atomic Power Station is approximately the same as what would have been had the supply from USA continued and therefore the question of loss does not arise.

Planned Capacity of Heavy Water Units Under Construction

627. SHRI AMAL DATTA : Will the PRIME MINISTER be pleased to state :

(a) the estimated cost and planned capacity of the Heavy Water Units now under construction;

(b) what other Heavy Water Units are being planned at present, the proposed location, estimated cost and planned capacity;

(c) whether any foreign collaboration has been utilized in construction of the Heavy water Plants, if so, for what specific areas and at what cost, total in foreign exchange; and

(d) whether any equipment has been imported for construction/running of the Heavy Water Plants; if so, detailed costs and the country from which import is made?

THE MINISTER OF STATE IN THE DEPARTMENTS OF SCIENCE AND TECHNOLOGY, ATOMIC ENERGY, SPACE, ELECTRONICS AND OCEAN DEVELOPMENT (SHRI SHIVRAJ V. PATIL) : (a) and (b) The Heavy Water Plants under construction are the ones at Thal-Vaishet in Maharashtra and Manuguru in Andhra Pradesh. Their estimated costs and capacities are as below :

	<i>Estimated cost</i>	<i>Capacity tonnes/year</i>
HWP (Thal)	Rs. 187.65 crores	110
HWP (Manuguru)	Rs. 421.6 crores including the integral power plant.	185

In addition, a proposal to get up one more Heavy Water Plant with a capacity of 110 tonnes/year based on Ammonia-Hydrogen Exchange process is under consideration. Details are being worked out.