

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:5359

ANSWERED ON:09.05.2012

NUCLEAR FUEL COMPLEX

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Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) the details of the Nuclear Fuel Complex (NFC) in Hyderabad including its capacity to produce fuel bundles and other components for the reactors operating in the country;
- (b) whether the organization has successfully completed manufacture of special quality tubes useful for steam generators in Nuclear Power Plants and if so, the details thereof;
- (c) whether the development reflects successful indigenisation and India's manufacturing capability in this strategic sector and if so, the details thereof; and
- (d) whether first tubing consignment has been handed over to companies and if so, the details thereof?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY):

- (a) The Nuclear Fuel Complex (NFC) a constituent unit of the Department of Atomic Energy was set-up at Hyderabad in the early 70s with an initial production capacity of 100 tonnes per year (tpy) and was augmented number of times. The present capacity of NFC is 850 tpy fuel bundles. The complex has facilities to manufacture structural components required for various Nuclear Power Reactors.
- (b) Yes, Sir. NFC has successfully manufactured Steam Generator tubings in 9Cr-1Mo (Mod) for Prototype Fast Breeder Reactors (PFBRs) and successfully manufactured Incoloy-800 Steam Generator tubings for the forthcoming 700 MWe Pressurized Heavy Water Reactors (PHWRs).
- (c) Yes, Sir. This is a successful indigenization effort, as these tubes were hitherto imported.
- (d) Yes, Sir. 198 Nos. of tubings, forming part of the first tubing consignment, were handed over by NFC to M/s. Larsen & Toubro Ltd., Mumbai on March 26,2012.