

**GOVERNMENT OF INDIA
HEAVY INDUSTRIES AND PUBLIC ENTERPRISES
LOK SABHA**

STARRED QUESTION NO:381

ANSWERED ON:30.07.2009

BHEL PLAN FOR NUCLEAR COMPONENTS BUSINESS

Majhi Shri Pradeep Kumar;Patel Shri Kishanbhai Vestabhai

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:

- (a) Whether Bharat Heavy Electricals Limited (BHEL) proposes to enter the nuclear reactor components, nuclear reactor turbine and boiler business in view of the emerging scope for expansion of nuclear power generation in the country;
- (b) if so, the details in this regard;
- (c) the details of the steps taken so far by BHEL for tapping this potential market with national and international firms; and
- (d) the extent to which such new tie-ups will help BHEL in gaining access to new technologies?

Answer

MINISTER OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES(SHRI VILASRAO DESHMUKH)

(a)to (d): A statement is laid on the Table of the House.

STATEMENT

Statement referred to in reply to Parts (a) to (d) of Lok Sabha Starred Question No.381 to be answered on 30th July, 2009 regarding BHEL plan for Nuclear components business raised by S/Shri Pradeep Majhi and Krishnbhai V. Patel.

(a) Yes.

(b) Bharat Heavy Electricals Limited (BHEL) has already manufactured and supplied some Nuclear reactor components like Steam Generators, Reactor Headers and Nuclear Turbine Generator Sets to Nuclear Power Corporation of India Ltd. (NPCIL) for their 220 MWe and 540 MWe reactors. In March'09, BHEL was awarded a contract for manufacture of Steam Generators for 700 MWe reactor.

BHEL is planning to enhance its capabilities for manufacture and supply of reactor components like Steam Generator for higher size reactors i.e. 1000 MWe and above likely to be installed in the country in future. BHEL is also planning to manufacture Nuclear Turbines of 700 MWe and above ratings.

(c) BHEL is making efforts to associate with probable/ likely nuclear reactor vendors like GE-Hitachi (USA), Areva (France), Westinghouse (USA) and Atomstroyexport (Russia) for possible cooperation to manufacture the components of higher size reactors. A Memorandum of Understanding (MOU) has been signed between BHEL and GE-Hitachi (USA) for possible cooperation in this area.

BHEL has also signed a MOU with Nuclear Power Corporation of India (NPCIL) to form a Joint Venture (JV) company to carry out Engineering Procurement and Construction (EPC) activities on the secondary side (turbine side) of nuclear power plants of 700 MWe and above rating within India and abroad.

Further, BHEL is in discussions with probable/likely international technology providers for 700 MWe and above nuclear turbines.

(d) BHEL is in the process of taking up with the probable vendors for joining hands. The extent of gaining access to the new technologies would depend upon the negotiations in this regard.