(c) in what manner it would help India?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (DR. JITENDRA SINGH): (a) Prototype Fast Breeder Reactor (PFBR) being constructed by Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI) is expected to get commissioned by October 2022.

(b) Presently there are technical issues which have resulted in delay in commissioning of PFBR. In the last three years, while commissioning activities of the various Systems, Structures & Equipment of PFBR are progressing, a large number of technical challenges as well as design inadequacies (owing to the first-of-a-kind status of the PFBR) are being encountered at each stage, thereby resulting into delay in commissioning. These issues are being attended in close coordination with the designers and the experts within Department of Atomic Energy (DAE).

(c) On completion of commissioning, PFBR will be adding 500 MW of electrical power to the national grid.

Capacity and present operations of Kudankulam Nuclear Power Plant

1283. DR. SASMIT PATRA: Will the PRIME MINISTER be pleased to state:

(a) the details about the capacity and present operations of the Kudankulam Nuclear Power Plant;

(b) the benefits accruing out of the plant; and

(c) whether Government is considering increasing the capacity of the plant and its operations?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (DR. JITENDRA SINGH): (a) Presently, Units 1&2 of the Kudankulam Nuclear Power Project (KKNPP 1&2 - 2X1000 MW) are in operation at Kudankulam, Tamil Nadu. Since start of operation, both the units have collectively generated 46,227 Million Units of electricity (including infirm generation) as of August 2020.

(b) KKNPP produces Nuclear power which is a clean and environment friendly base load source of electricity generation. It has brought Light Water Reactor Technology to India. It complements the electricity generation from other sources to meet the energy requirements of the beneficiary states. In addition, it has generated employment

(direct and indirect) including employment generated with the contractors/vendors and from business opportunities that have emerged consequent to the increase in economic activity at the site.

(c) The Union Government has accorded sanction for setting up four more units at the site. Of these, Units 3&4 (KKNPP 3&4 - 2X1000 MW) are under construction and work has commenced on Units 5&6 (KKNPP 5&6 - 2X1000 MW). The Kudankulam Nuclear Power Project (KKNPP) will reach its full capacity of 6000 MW on completion of Units 3&4 and Units 5&6.

Setting up of atomic power plant in Andhra Pradesh

1284. SHRI KANAKAMEDALA RAVINDRA KUMAR: Will the PRIME MINISTER be pleased to state:

(a) whether Government has proposed to set up Nuclear Power Project in the State of Andhra Pradesh;

(b) if so, the details thereof;

(c) whether Government has conducted any techno-feasibility studies in this regard and selected site for the project;

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (DR. JITENDRA SINGH): (a) Yes, Sir.

(b) Discussions are being held with M/s Westinghouse Electric Company of USA for establishment of six nuclear power reactors with a capacity of 1208 MW each at Kovvada in Srikakulam district of Andhra Pradesh.

(c) Yes, Sir.

(d) The site at Kovvada was selected after carrying out extensive studies by specialized national agencies and evaluation by the Standing Site Selection Committee (SSSC), Government of India in accordance with the criteria laid down in the Atomic Energy Regulatory Board (AERB) code on Site Evaluation of Nuclear Facilities.

(e) Does not arise.