

**GOVERNMENT OF INDIA  
SCIENCE AND TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:5921

ANSWERED ON:29.04.2015

NATIONAL SUPERCOMPUTING MISSION

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**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether India has 9 supercomputers compared to 500 supercomputers in the world and if so, the details thereof and the reasons therefor;
- (b) whether the Government has launched National Supercomputing Mission to connect national academic and R&D institutions with a grid of over 70 high-performance computing facility;
- (c) if so, the details thereof and the amount earmarked for this purpose;
- (d) whether the mission will support the Government's vision of Digital India and Make in India initiatives; and
- (e) if so, the details thereof and the other steps taken/being taken by the Government to make India one among the league of world class computing power stations?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES (SHRI Y.S. CHOWDARY)

(a) Yes Madam. There are 9 supercomputers from India that figured in the list of top 500 supercomputers according to the 44th edition of TOP500 list, released in November 2014 (released twice-yearly), of the world's most powerful supercomputers.

(b) to (e): The Cabinet has recently approved the National Supercomputing Mission (NSM) with a total outlay of Rs.4500 crore for a period of 7 years. The mission would be implemented jointly by Department of Science and Technology (DST) and Department of Electronics and Information Technology (DeitY). The mission is driven with the aim of consolidating various ongoing efforts into a nationally coordinated collaborative programme involving developers and users of supercomputing systems as well as academic and research institutions along with effective collaborative, governance and monitoring mechanisms to build culture of supercomputing for solving complex R&D problems and designing solutions addressing various country specific requirements for scientific, strategic and societal applications. One of the deliverables would be a grid connecting 70 supercomputers located in R&D Institutions, Universities and the 1 million core cloud using National Knowledge Network (NKN).

The National Supercomputing Mission would be an enabler for the Digital India vision of the Government by making available huge data storage space and linking systems together. The mission envisages manufacturing of supercomputing systems in India and may play a lead role in Make in India vision.