

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

UNSTARRED QUESTION NO:2924
ANSWERED ON:14.03.2013
PROPOSAL FOR SUPERCOMPUTING
Naik Dr. Sanjeev Ganesh;Sule Supriya

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

- (a) whether the Government is considering any proposal to strengthen the national capacity and capability in supercomputing;
- (b) if so, the details thereof;
- (c) the details of agencies selected for implementing the project; and
- (d) the estimated cost of the project, the budget sanctioned and expenditure incurred so far on the project?

Answer

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (S. JAIPAL REDDY)

(a) & (b): Yes, Madam. The need to rejuvenate the supercomputing leadership was felt and recommended by the Scientific Advisory Council to the Prime Minister (SAC to PM) and also by the Planning Commission. The Planning Commission has drawn a National Supercomputing Roadmap in the 12th Plan document (2012-2017). This roadmap covers several aspects of supercomputing namely Architecture, Supercomputing Grid resting on National Knowledge Network and the Million Core Cloud supercomputer. The roadmap has projected development of high capacity petascale (over 1,000,000,000,000,000 flops) supercomputers and technologies that may create an opening leading to building Exa-scale (over 1,000,000,000,000,000,000 flops) supercomputing capability. It also suggests capacity and capability development in the area of hardware and more in the area of application software to meet the demands of the scientific community from all disciplines.

(c) & (d): The Planning Commission has allotted Rs.2000 crore in the 12th Five Year Plan for the Department of Science & Technology (DST) against a projected requirement of ` 5000 crore. The DST and the Department of Electronics & Information Technology (Deity) in consultation with the Indian Institute of Science, Bengaluru and Centre for Development of Advanced Computing (C-DAC), Pune are preparing the strategies for implementing this programme. So far no expenditure has been incurred.