

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1045
TO BE ANSWERED ON: 28.07.2023

DEVELOPMENT IN SEMI-CONDUCTOR INDUSTRY

1045. DR. SANTANU SEN:

Will the Minister of Electronics and Information Technology be pleased to state:

- (a) the number of jobs created by the semi-conductor industry in the country during the last three years, category-wise and year-wise;
- (b) the expenditure incurred or invested by the semi-conductor industry in country in Research & Development in the last three years, category-wise and year-wise;
- (c) the value addition or innovation delivered by the semi-conductor industry in the country in last three years; and
- (d): if so, details thereof, category-wise and year-wise?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI RAJEEV CHANDRASEKHAR)

(a): Government is focused on its objective of catalysing overall semiconductor ecosystem to further expand India's already rapidly expanding electronics manufacturing and innovation ecosystem. Government has approved the Semicon India programme with a total outlay of INR 76,000 crore for the development of semiconductor and display manufacturing ecosystem in the country. The programme aims to provide financial support to companies investing in semiconductors, display manufacturing and design ecosystem. This will pave the way for India's growing presence in the global electronics value chains.

As per the Industry estimates, several thousand chips are being designed every year in India and more than 1,25,000 engineers are working on various aspects of semiconductor chip design, R&D and verification.

(b): The investment/ expenditure done by semiconductor industry is not available with the Government. However, under the Semicon India programme, upto 2.5% of the outlay of the schemes have been earmarked for meeting the R&D, skill development and training requirements for the development of semiconductor and display ecosystem in India.

(c) and (d): As on date, India does not have any significant contribution to the global semiconductor manufacturing industry as there is no commercial semiconductor fab in India. However, India contributes to the semiconductor design industry in a big way. India is one of the leading centers for global semiconductor design companies. Most global semiconductor design companies have set up design R&D innovation centers in India owing to exceptional semiconductor design talent pool making up to 20% of world's semiconductor design engineers and high number of design Patents/ IPR registered in India.
