

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO-3689**  
ANSWERED ON 18/12/2024

**B11 ENRICHMENT FACILITY**

3689. DR. BHOLA SINGH  
SHRI ALOK SHARMA

Will the RIME MINISTER be pleased to state: -

- (a) the specific objectives of establishing the B11 Enrichment Facility in enhancing India's semiconductor manufacturing capabilities;
- (b) the manner in which this facility is expected to position India as a key player in the global semiconductor supply chain; and
- (c) the details of collaboration efforts made with private industries and academic institutions to leverage the facility along with the potential job creation and economic benefits anticipated from this initiative?

**ANSWER**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH)

- (a) To establish the technology for B11 isotope enrichment for the first time in the country.
- (b) The facility available on small scale for establishing the technology, produces B 11 enriched Boric Acid. B11 enriched Boric Acid is a raw material for production of B11 enriched BF<sub>3</sub> gas, which plays vital role in semi-conductor industry.
- (c) Discussions with Semi-Conductor Laboratory (SCL), Mohali for identification of private industries and academic institutions for necessary collaborative work.

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