

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:4014
ANSWERED ON:09.04.2003
COST OF NUCLEAR POWER GENERATION
ANANTA NAYAK

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the Government have a proposal to improve the existing technology to reduce the cost of nuclear power generation;
- (b) if so, the innovative project management practices proposed to be adopted to achieve it; and
- (c) the details of the programmes of the Government in this regard?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PLANNING, MINISTER OF STATE IN THE MINISTRY OF STATISTICAL PROGRAMME IMPLEMENTATION, MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY AND MINISTER OF STATE IN THE DEPARTMENT OF SPACE (SHRI S.B. MOOKHERJEE)

(a) Yes, Sir.

(b) & (c) There are fourteen nuclear power reactors in operation and eight nuclear power reactors under construction in the country. The improvements in regard to reactors in operation are on efficient capacity utilisation, upgrades, as necessary, for enhancing safety and performance and plant life extension by renovation and modernisation. As regards the reactors under construction the measures include, cost reduction by design simplification, use of indigenous tools & rechnology, reduction of the gestation periods by use of modern construction technologies, completion of essential infrastructure in advance of the prject financial sanction, project execution on the basis of large supply-cum-erection packages and strengthening planning and monitoring mechanisms and increasing the unit size of reactors.