

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.1402
TO BE ANSWERED ON 06.12.2012

IMPROVEMENT IN REACTOR DESIGN BY NPCIL

1402. SHRIMATI JAYA BACHCHAN:

Will the PRIME MINISTER be pleased to state:

- (a) whether it is a fact that the reactor designs has been improved by the Nuclear Power Corporation of India Ltd. (NPCIL) in the country;
- (b) whether it is also a fact that nuclear plants could be installed in cities;
- (c) whether it is also a fact that in case of an accident there would be no long term impact on the humans near the plant; and
- (d) the details in this regard?

ANSWER

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND
PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY) :

- (a) Yes, Sir.
- (b) No, Sir. Nuclear power plants are located at sites which meet the criteria laid down in the Atomic Energy Regulatory Board (AERB) Code on Safety in Siting of nuclear power plants.
- (c)&(d) All plants are designed for postulated design basis accidents, such that in case of such an accident no member of the public will get exposed to radiation dose beyond acceptable limits, thereby, ensuring that there would be no long term impact on the humans near the plant. Even for beyond design basis accidents, where the radiation exposure to some members of the public could be higher, the probability of suffering long term health effects caused by such radiation exposure is very low.
