

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.963
TO BE ANSWERED ON 10.02.2022

**SECURITY OF INDIAN NUCLEAR INSTALLATIONS FROM
CYBER ATTACKS**

963 Dr. Sasmit Patra:

Will the PRIME MINISTER be pleased to state:

- (a) whether Indian Nuclear Installations and Nuclear Power Stations are secure from Cyber attacks;
- (b) the steps that Government has undertaken to ensure their safety and security; and
- (c) whether there has been any incidents of breach of security in this regard and if so, the details thereof?

ANSWER

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

- (a) Yes, Sir.
- (b) Indian nuclear establishment has an already set rigorous procedure for design, development and operation of the systems used in its installations. The safety and security critical systems are designed and developed in-house using custom built hardware and software which are subjected to regulatory verification and validation, thereby making them resistant to cyber security threats.

The safety and security critical infrastructure of Indian nuclear establishments, such as control network and safety systems of plants are isolated from Internet and the local IT network.

Department of Atomic Energy has specialist groups like Computer and Information Security Advisory Group (CISAG) and Task force for Instrumentation and control security (TAFICS) to look after cyber security/information security of DAE units. These groups undertake the process

of strengthening cyber security of all units under DAE including nuclear facilities through hardening of systems and audits.

- (c) There was an identification of a malware infection on Kudankulam Nuclear Power Plant (KKNPP) administrative network used for day to day administrative activities. The affected system contained data related to administrative function only. Plant control and instrumentation system is not connected to any external network such as Intranet, Internet and administrative system. The plant systems, which are isolated and not accessible from this administrative network, were not affected. There was no impact on the critical plant systems.
