GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEPARTMENT OF MILITARY AFFAIRS
LOK SABHA
UNSTARRED QUESTION NO. 747
TO BE ANSWERED ON 26th JULY, 2024

VIDYUT RAKSHAK DEVELOPED BY THE INDIAN ARMY

747 SHRI DHAIRYASHEEL SAMBHAJIRAO MANE:
    SHRI SUDHEER GUPTA:

Will the Minister of DEFENCE be pleased to state:

(a) whether the Government has launched an integrated generator monitoring, protection and control system, 'Vidyut Rakshak' developed by the Indian Army;

(b) if so, the details thereof and the salient features of the said system;

(c) the details of the places where 'Vidyut Rakshak' system will be installed in the country in the first phase;

(d) the manner in which 'Vidyut Rakshak' system is going to boost the defence capacity of the Indian Army; and

(e) the total amount of expenditure incurred on the development of this system?

A N S W E R

MINISTER OF STATE   (SHRI SANJAY SETH)
IN THE MINISTRY OF DEFENCE

(a): Yes, Sir.

(b): The details and salient features are as follows:

(i)   Vidyut Rakshak is an Internet of Things (IoT) based generator monitoring, protection and control system, which enables remote operation and control of multiple generators.

(ii)   It is applicable to all generators irrespective of their type, make, rating and vintage.

(iii)   Apart from monitoring the generators' parameters, it enables fault prediction/prevention and automates manual operation through a user friendly dashboard.

(c): 'Vidyut Rakshak' will be installed in the first phase at Leh-Ladakh Region.

(d): Vidyut Rakshak will boost defence capacity of the Indian Army in the following manner: -

(i)   It will simplify integrated operation of multiple generator sets deployed even in remote areas from a single control node.

(ii)   Real time fault analysis of the generators by 'Vidyut Rakshak' facilitates faster resolution of faults in generators deployed in remote posts of Indian Army.

(e): The total amount incurred on the development of the system is ₹5 Lakh.

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