

GOVERNMENT OF INDIA  
MINISTRY OF DEFENCE  
DEPARTMENT OF DEFENCE  
**LOK SABHA**  
**UNSTARRED QUESTION NO.4170**  
TO BE ANSWERED ON THE 21<sup>ST</sup> MARCH, 2018

**ARTIFICIAL INTELLIGENCE**

4170. SHRI RAM MOHAN NAIDU KINJARAPU:  
DR. NARAMALLI SIVA PRASAD:

Will the Minister of DEFENCE j{k k ea=h  
be pleased to state:

- (a) whether the Government proposes to use artificial intelligence / machine learning for strengthening the defence of the country;
- (b) if so, the details of applications in this regard;
- (c) whether any researches have been undertaken for the purpose; and
- (d) if so, the details thereof?

A N S W E R  
MINISTER OF STATE (DR. SUBHASH BHAMRE)  
IN THE MINISTRY OF DEFENCE

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(डा. सुभाष भामरे)

**(a) & (b): Yes Madam, the Government believes that Artificial Intelligence (AI) has the potential to have transformative impact on security and has constituted a Task Force, headed by Shri N. Chandrasekaran, (Chairman, Tata Sons) to study the strategic implementation of AI application on national security and defence needs; to study the status of development & use of AI by other leading Countries and policy initiatives in various Government agencies; to identify the key priorities for AI and to make appropriate recommendations. AI has the potential to contribute in various applications like Unmanned Aerial Systems (UASs), Robotics, Decision Support Systems and Operational Logistics.**

**(c) & (d): Yes Madam, various projects have been undertaken for research, like:**

- (i) AI for Net Centric Operations (AINCO),
- (ii) Image and Video Processing Technologies for Network Centric Operations (IVPTNCO).
- (iii) Verify Organize Maintain Analyze (VYOMA) systems, to facilitate intelligence report management and summary generation.
- (iv) Multi Agent Robotic System (MARS).

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