

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 936
TO BE ANSWERED ON: 26.07. 2023

ROBOTICS FRAMEWORK

936. SHRI KOTHA PRABHAKAR REDDY:

Will the Minister of Electronics and Information Technology be pleased to state:

- (a) whether the Governments announced the launch of Robotics Framework under which an eco-system would be created for innovation, entrepreneurship and research and development and if so, the details thereof;
- (b) whether the framework seeks to leverage robotics technology to drive growth across the four domains of agriculture, healthcare, industrial automation and consumer robotic;
- (c) if so, the details thereof along with funds sanctioned/spent to each State till date; and?
- (d) the details of the other progress made therein, State-wise?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI RAJEEV CHANDRASEKHAR)

(a): No sir. However, an Inter-Ministerial Committee has been constituted to study global best practices on the role of government in supporting and fostering the domestic robotics ecosystem. Currently, the committee is deliberating on the Strategy for fostering an end-to-end robotics ecosystem that encompasses research & design, manufacturing, prototyping, and adoption.

(b) to (d): Ministry of Heavy Industries (MHI) has notified the Scheme on Enhancement of Competitiveness in the Indian Capital Goods Sector- Phase-II for providing assistance to Common Technology Development and Services Infrastructure. To seek leverage of Robotics in Industrial Automation, a State wise list of Projects sanctioned under the scheme is detailed in Annexure I.

Annexure I

S.No.	State	Project	TechnologyforRobotics	Totalproj ect cost (amount in Rs Cr)	MHI Funds sanctioned (amount in Rs Cr)	Project Status
1.	Karnataka	Setting up of Industry Accelerator by An Artificial Intelligence and Robotics Technology Park (ARTPARK), IISc-namely "Centre for Advanced Manufacturing for Robotics and Autonomous Systems (CAMRAS)	a) RoboticActuators b) PlanarMagneticDriveSystem c) LeggedWalkingRobots d) Distributed Inertial MeasurementUnitfor AutonomousSystems e) SoftRobotics f) AdvancedIntelligentControllerForUnmannedSystems g) FlexiblestructuresForAutonomousSystems h) AutonomousChargingSystemformobilerobots	92.88	74.78	The projects are in initial stages of implementation.
2.	Tamil Nadu	Setting up of IndustryAccelerator by AdvancedManufacturing TechnologyDevelopment Centre(AMTDC),IIT Madras,	a) Structural design of Industrial robotsforpayloads - 15kg,35kg &165kg b) Motionplanningandrobot programmingsoftware c) Industrialrobotswithendapplications (Handling,Arc&Spotwelding,Gluedispensing) d) Testing protocols for aggregates androbots	15.90	12.72	
3.	Tamil Nadu	Setting up of IndustryAccelerator by SASTRA Deemed University, Thanjavur,	Robotic systems for AutonomousSolderingandRuggedizationin Electronics industry	2.2744	1.8195	
