

**GOVERNMENT OF INDIA
HEAVY INDUSTRIES AND PUBLIC ENTERPRISES
LOK SABHA**

UNSTARRED QUESTION NO:3698
ANSWERED ON:19.12.2005
AUTOMATIC MACHINES IN MANUFACTURING SECTOR
Rao Shri Kavuru Samba Siva

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:

- (a) whether the Government is encouraging automatic machines in manufacturing sector to ensure quality production of machines and goods for export and domestic use;
- (b) if so, the details thereof;
- (c) whether the Government proposes to integrate and coordinate various testing and measurement devices used in automatic machines;
- (d) if so, the details thereof;
- (e) whether the Government has introduced the concept of Programmable Automatic Controllers (PACs) to standardize automation process in manufacturing industries to help enterprises address the demands of advanced automation standards; and
- (f) if so, the details thereof?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF WATER RESOURCES (SHRI SONTOSH MOHAN DEV)

- (a) & (b): As a part of Government's active policies for promoting competitiveness in manufacture sector, automation is an essential ingredient in configuring machines and allied equipment. As a part of Government's initiative institutes like Central Manufacturing Technology Institute (CMTI), Quality council of India (QCI) and autonomous body like National Manufacturing Competitive Council (NMCC) have been set up to address the subject of advance technology solution, quality and promoting the competitiveness in manufacturing sectors respectively.
- (c) & (d): Integration of automation with attendant testing and measurement devices is already an on going theme in the manufacturing industries like automation components, defense, railways and other general engineering sectors.
- (e) & (f): Programmable Automatic Control (PAC) and Programmable Logic Control (PLC) are an essential ingredient of automation. Standardized modules in this activity are available and are used in the industry. CMTI is involved in the modernization initiatives, and other Government schemes like Integrated Infrastructure Upgradation Scheme (IIUS) and Technology Upgradation Fund Scheme (TUFS) encourage modernization and seek to improve the production process to gain global competitiveness. Automation is also a part of these initiatives.