

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
LOK SABHA
UNSTARRED QUESTION NO. 4992
ANSWERED ON 01.04.2025

SAMARTH UDYOG BHARAT 4.0

4992. SHRI MUKESHKUMAR CHANDRAKAANT DALAL:

Will the Minister of HEAVY INDUSTRIES be pleased to state:

- (a) the number of MSMEs in Gujarat which have adopted Industry 4.0 technologies through Samarth Udyog Bharat 4.0 initiatives during the last year;
- (b) whether there has been an increase in collaborations between Karnataka-based start-ups and Samarth Udyog Centres for the adoption of smart manufacturing and Industry 4.0 solutions, if so, the details thereof;
- (c) whether any specific indigenous technological advancements have been developed by CMTI Bangalore during the past year as part of the Smart Manufacturing Demo & Development Cell (SMDDC);
- (d) whether CMTI Bangalore has tracked any measurable improvements in the efficiency or productivity of manufacturing industries in Gujarat as a result of adopting Industry 4.0 technologies, if so, the details thereof; and
- (e) whether there has been an assessment of the impact of the Samarth Udyog Bharat 4.0 initiative, if so, the details thereof?

ANSWER
THE MINISTER OF STATE FOR HEAVY INDUSTRIES
(SHRI BHUPATHIRAJU SRINIVASA VARMA)

(a): Four Smart Advanced Manufacturing and Rapid Transformation Hub (SAMARTH) Centres have been set up under the Scheme for “Enhancement of Competitiveness in the Indian Capital Goods Sector” which is a pan India demand driven scheme. The details of the initiatives undertaken by the SAMARTH Centres in Gujarat during last year are as under:

- i. Smart Manufacturing Demo & Development Cell, CMTI, Bengaluru has developed advanced smart machines tailored for the laser and foundry sectors for four MSMEs based in Gujarat;
- ii. C4i4 Lab, Pune has conducted Digital Maturity Assessments for two MSMEs in Gujarat, providing them with tailored recommendations for Industry 4.0 adoption;
- iii. To further accelerate Industry 4.0 adoption in Gujarat, C4i4 Lab, Pune has established an iFactory at Kaushalya The Skill University, Ahmedabad under hub and spoke model under Phase – II of the Scheme. This operational center serves as both a demonstration and training hub, enabling MSMEs in Gujarat to explore and implement smart manufacturing technologies effectively;
- iv. IITD-AIA Foundation for Smart Manufacturing, IIT Delhi has organized 2 outreach engagements at Ahmedabad and Anand, Gujarat for adoption of Industry 4.0.

(b): Yes, there has been active collaborations between Karnataka-based start-ups and Samarth Udyog Centres for the adoption of smart manufacturing and Industry 4.0 solutions. The details are as under:

- i. C4i4 Lab, Pune has conducted Digital Maturity Assessments for three companies in Karnataka, providing them with tailored Industry 4.0 transformation roadmaps.
- ii. Smart Manufacturing Demo & Development Cell, CMTI, Bengaluru has transferred technologies, provided training and collaborated with various industries/MSMEs in Karnataka.

(c): CMTI has developed over 15 solutions for implementation of Industry 4.0 practices under Smart Manufacturing Demo & Development Cell.

(d) & (e): No please.
