

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
RAJYA SABHA
UNSTARRED QUESTION NO. 2161
ANSWERED ON 13.12.2024

SAMARTH UDYOG BHARAT 4.0 INITIATIVE

2161. DR. ASHOK KUMAR MITTAL:

Will the Minister of HEAVY INDUSTRIES be pleased to state:

- (a) the key achievements of the SAMARTH Udyog Bharat 4.0 initiative;
- (b) the nature of assistance given to Micro, Small and Medium Enterprises (MSMEs) for the planning and implementation of Industry 4.0 projects;
- (c) the number of beneficiary MSMEs under the programme, industry-wise and State-wise;
- (d) the number of beneficiary MSMEs under the programme in Jharkhand, industry-wise and district-wise; and
- (e) whether any financial assistance has been given to MSMEs under the programme, and if so, the amount sanctioned and disbursed, State-wise?

ANSWER

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

(a): Ministry of Heavy Industries (MHI) under the Scheme for “Enhancement of Competitiveness in the Indian Capital Goods Sector” has set up 4 Smart Advanced Manufacturing and Rapid Transformation Hub (SAMARTH) Centres namely:

- (i) Centre for Industry 4.0 (C4i4) Lab, Pune;
- (ii) IITD-AIA Foundation for Smart Manufacturing, IIT Delhi;
- (iii) I-4.0 India @ IISc, Bengaluru; and
- (iv) Smart Manufacturing Demo & Development Cell, CMTI, Bengaluru.

Further, 10 cluster Industry 4.0 experience centres have been approved under the Hub and Spoke model to be established across India by Centre for Industry 4.0 (C4i4) Lab, Pune.

The key achievements of the SAMARTH Centres are as given below:

- (i) Development of Industry 4.0 solutions enabled Model Factory by C4i4, Pune and a production based Smart factory by CMTI Bengaluru;
- (ii) Over 50 use-cases of Industry 4.0 solutions were compiled for implementation support by C4i4, Pune;
- (iii) Development of Industry 4.0 Maturity & Readiness assessment tool called Industry 4.0 Maturity Model (I4MM) specific for Indian manufacturing companies. Under this program, C4i4 has conducted assessment of several manufacturing industries;

- (iv) C4i4 Lab, Pune launched 'Free Online Assessment Tool' for self-assessment purpose to help the MSMEs to understand their maturity level in their Industry 4.0 journey in order to accelerate the adoption of Industry 4.0;
- (v) Over 100 Digital Maturity Assessments completed for Auto Companies; 500+ Improvement initiatives identified for industry; 500+ Digital Champions trained on Industry 4.0 by C4i4 Lab, Pune;
- (vi) 6 Smart Technologies, 5 Smart Tools, 14 solutions developed by I-4.0 India @ IISc, Bengaluru;
- (vii) CMTI Bengaluru trained about 5000 professionals on Smart Manufacturing & Industry 4.0;
- (viii) IITD-AIA Foundation for Smart Manufacturing has collaborated with academic institutions to drive innovation in Industry 4.0 technologies tailored for MSMEs.

(b): SAMARTH Centres have been providing assistance to industries including MSMEs to train the workforce and make them aware about Industry 4.0 technologies in the following ways:

- (i) Organizing Awareness Seminars/ Workshops and knowledge sharing events on Industry 4.0;
- (ii) Training industries to create awareness about Industry 4.0;
- (iii) Providing consultancy (in areas such as IOT Hardware, Software development, data analytics) and incubation support to start-ups including MSMEs.

(c) & (d): No such data is collated at the Ministry level.

(e): No financial assistance is given to any industry including MSME for adopting Industry 4.0 enabled technologies under SAMARTH centre initiative of the Scheme.
