

GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP
RAJYA SABHA
UNSTARRED QUESTION NO. 1245
ANSWERED ON 29.07.2026

DISPARITIES IN INDUSTRIAL TRAINING INSTITUTES (ITIs)

1245. SHRI CHANDRAKANT DAMODAR HANDORE:

Will the Minister of SKILL DEVELOPMENT AND ENTREPRENEURSHIP be pleased to state:

- (a) the State-wise percentage of Government Industrial Training Institutes (ITIs) that lack functional laboratories or certified trainers required for Industry 4.0 curriculums like AI, Robotics and Drone Technology;
- (b) the year-wise capital expenditure allocated for modernizing legacy ITIs versus the actual utilization rate over the last three years; and
- (c) the concrete measures taken to bridge the massive employment deficit where nearly 36 percent of total ITI graduates remain unemployed or underemployed immediately after post-graduation?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI JAYANT CHAUDHARY)

(a) The Directorate General of Training (DGT), under the Ministry of Skill Development and Entrepreneurship (MSDE), implements the Craftsmen Training Scheme (CTS) through a network of Industrial Training Institutes (ITIs) for skilling the youth. Under CTS, training is imparted in 170 courses through 13,856 ITIs (Government - 3,328 & Private – 10,528) across the country.

To cater to the demand of futuristic job roles in emerging technologies, DGT has developed 32 New-Age courses in areas such as Drone Technologies, Artificial Intelligence, and Internet of Things (IoT). List of these courses is available at *Annexure-1*. At present, 720 Government ITIs across the country are imparting training in these 32 New Age courses.

The day to day administration including establishment of infrastructure, procurement of equipment and deployment of instructors in Government ITIs falls under the administrative control of the respective State Governments and UT Administrations, while the policies such as setting the criterion for affiliation, conducting the examination along with certification and designing curriculum are being administered by Central Government.

(b) The Government ITIs are under the administrative and financial control of the respective State Governments and UT Administrations. The DGT, however, has implemented Scheme titled "Upgradation of Existing Government ITIs into Model ITIs (Model ITI Scheme)" during the period 2014 to 2024 with a total outlay of Rs. 238.08 crore. Under this Scheme financial assistance was provided to the State Governments for the upgradation of ITIs. A total release of Rs. 192.64 crore was released for upgradation of selected ITIs, of which Rs. 139.21 crore was the Central share. Against this Central share, Utilisation Certificates (UCs) have been received for more than 97%, including Rs. 11.46 crore returned to the Consolidated Fund of India (CFI) as unspent balance. The scheme ended on 31st March 2024.

In addition, DGT implemented the Skills Strengthening for Industrial Value Enhancement (STRIVE) Project from 2018 to 2024, aimed at improving the quality and market relevance of vocational training delivered

through Industrial Training Institutes (ITIs) and the apprenticeship system, with the objective of strengthening the overall skill development ecosystem. During the implementation period of the Project, a total amount of approximately ₹772.67 crore was released under various project components with a utilization of 92%.

Further the government has also launched the Pradhan Mantri Skilling and Employability through Upgraded ITIs (PM SETU) Scheme. The Scheme envisages to enhance the overall quality and relevance of vocational training with upgraded labs, machines, and industry-aligned curriculum in the country. The key objectives of the Scheme are:

- i. To improve the quality of training delivery in ITIs;
- ii. To modernize infrastructure and equipment as per industry standards;
- iii. To introduce industry-aligned long-term and short-term courses, especially in new and emerging sectors;
- iv. To strengthen industry linkage for demand-driven skilling and better employment outcomes; and

The selection of ITIs under PM-SETU scheme is led by the respective State/UT Governments in consultation with industry, ensuring alignment with emerging skill needs and local industrial potential.

Accordingly, States/UTs are required to submit proposals for upgradation of identified ITI cluster in collaboration with industry partners. 34 States/UTs have constituted their State Steering Committee (SSC) led by the Chief Secretary of the State/UT, an apex body at the State/UT level for guiding and overseeing the implementation of the Scheme.

23 States/UTs have floated their proposal for inviting the interest of industry. The National Steering Committee (NSC) has approved six (6) Strategic Investment Plans (SIPs) submitted by Anchor Industry Partners (AIPs), comprising three from Telangana, one from Andhra Pradesh, one from Odisha and one from Gujarat. No other proposal is pending for approval before NSC. So far, no financial assistance has been released for upgradation of ITIs under PM SETU Scheme.

(c) The course curriculum under CTS is updated periodically in consultation with industry, academia, and State/UT Governments to integrate emerging technologies, modern tools, equipment, and machinery, ensuring that training remains aligned with current skill requirements of Industries. Further, the CTS curriculum also provides for On-the-Job Training (OJT), enabling trainees to gain practical exposure in industry settings and bridge the gap between classroom learning and workplace requirements.

In addition, the Dual System of Training (DST) have been introduced wherein a large portion of training is 'hands on' and is provided in the industry itself. In the DST framework, On-the-Job Training (OJT) for a period of 3-6 months for one-year course and 6-12 months for two-years course is conducted within the industries. This immersive approach integrates theoretical learning from ITIs with practical hands-on experience gained in the industry.

ANNEXURE REFERRED TO IN REPLY TO PART (A) OF RAJYA SABHA UNSTARRED QUESTION NUMBER 1245 ANSWERED ON 29.07.2026.

List of 32 New Age Trades

Sr. No.	Trade Name
1	Additive Manufacturing (3D Printing) Technician
2	Aeronautical Structure and Equipment Fitter
3	Artificial Intelligence Programming Assistant
4	Advance CNC Machining Technician
5	Computer Aided Manufacturing (CAM) Programmer
6	Drone Pilot (Junior)
7	Drone Technician
8	Engineering Design Technician (Artisan Using Advanced Tool)
9	Fiber to Home Technician
10	Geo Informatics Assistant
11	Industrial Internet of Things (IIoT) Technician
12	Industrial Robotics and Digital Manufacturing
13	Information Technology
14	Internet of Things Technician (Smart Agriculture)
15	Internet of Things Technician (Smart City)
16	Internet of Things Technician (Smart Healthcare)
17	Manufacturing Process Control & Automation
18	Mechanic Electric Vehicle
19	Multimedia, Animation & Special Effects
20	Semiconductor Technician
21	Small Hydro Power Plant Technician
22	Smartphone Technician Cum App Tester
23	Software Testing Assistant
24	Solar Technician (Electrical)
25	Technician Mechatronics
26	Virtual Analysis and Designer - FEM (Finite Element Method) (Basic Designer and Virtual Verifier)
27	Wind Plant Technician
28	5G Network Technician
29	Cyber Security Assistant
30	Data Annotation Assistant
31	Green Hydrogen Production Technician
32	Nuclear Power Plant Technician
