



**Ministry of Skill Development & Entrepreneurship
Government of India**

**Strengthening of ITI ecosystem for better
quality delivery**

Directorate General of Training

BACKGROUND

- Re-energizing the existing ITI ecosystem across the nation through the following major reforms:
 1. Revision in Civil Norms and procedural norms for affiliations
 2. Grading of ITIs
 3. Examination reforms
 4. Curriculum Reforms
 5. Dual System of Training
 6. Space Based Distance Learning Programme
- With speedy increase in number of ITIs, it is necessary to have a standard “quality assurance mechanism” in place.
- To ensure the quality checks of these institutes, DGT shall provide a “benchmark for comparison” amongst the institutes - **GRADING OF ITIs**

REVISION IN NORMS



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CIVIL NORMS

- HSE aspects paramount for safety of trainees.
- Existing Civil Norms do not strongly address HSE aspects
- Requirement for common areas i.e. Principal Room, Staff Room, Drawing Room, Store Room, Auditorium, Library, Dispensary, Playground, Veranda and Washing Room etc., is not being strongly emphasised and the size of each is not prescribed.
- Analysed the existing norms in relation with Local building Byelaws & NBC
- Similar institutional models under AICTE and PMKK have also been studied

PROPOSED NORMS (APPROVED)

1. Building details and building services

- Dedicated plot
- Building completion certificate according to local by-laws
- Backup power supply
- Electrical and allied installations, distance from electrical lines
- Fire and light safety
- **Wherever local bylaws not available, NBC to be followed**

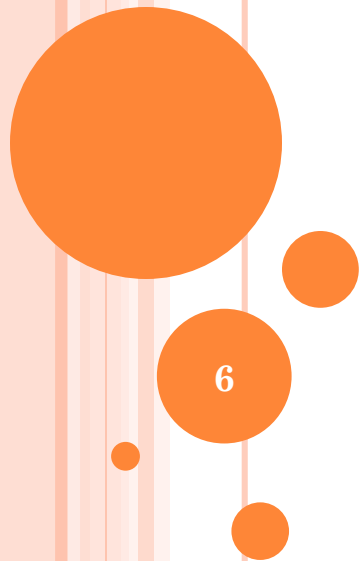
2 Finishing norms

- **Roof of workshop- Tin sheds not to be allowed . Industrial sheds allowed.**

3. Administrative Area and amenities

- Reception cum waiting lobby –Min. 50 sq.mt
- Placement/Counselling Room
- Staff room – Min. 40 sq.mt
- Multipurpose hall
- **Library and reading Room – 40 sq.mt for upto 160 seats and then 10 sq.mt for every 40 seats**
- **Raw Material Storage Room**
- **Storage Room for Gas/oil drums etc.**





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GRADING OF ITIs

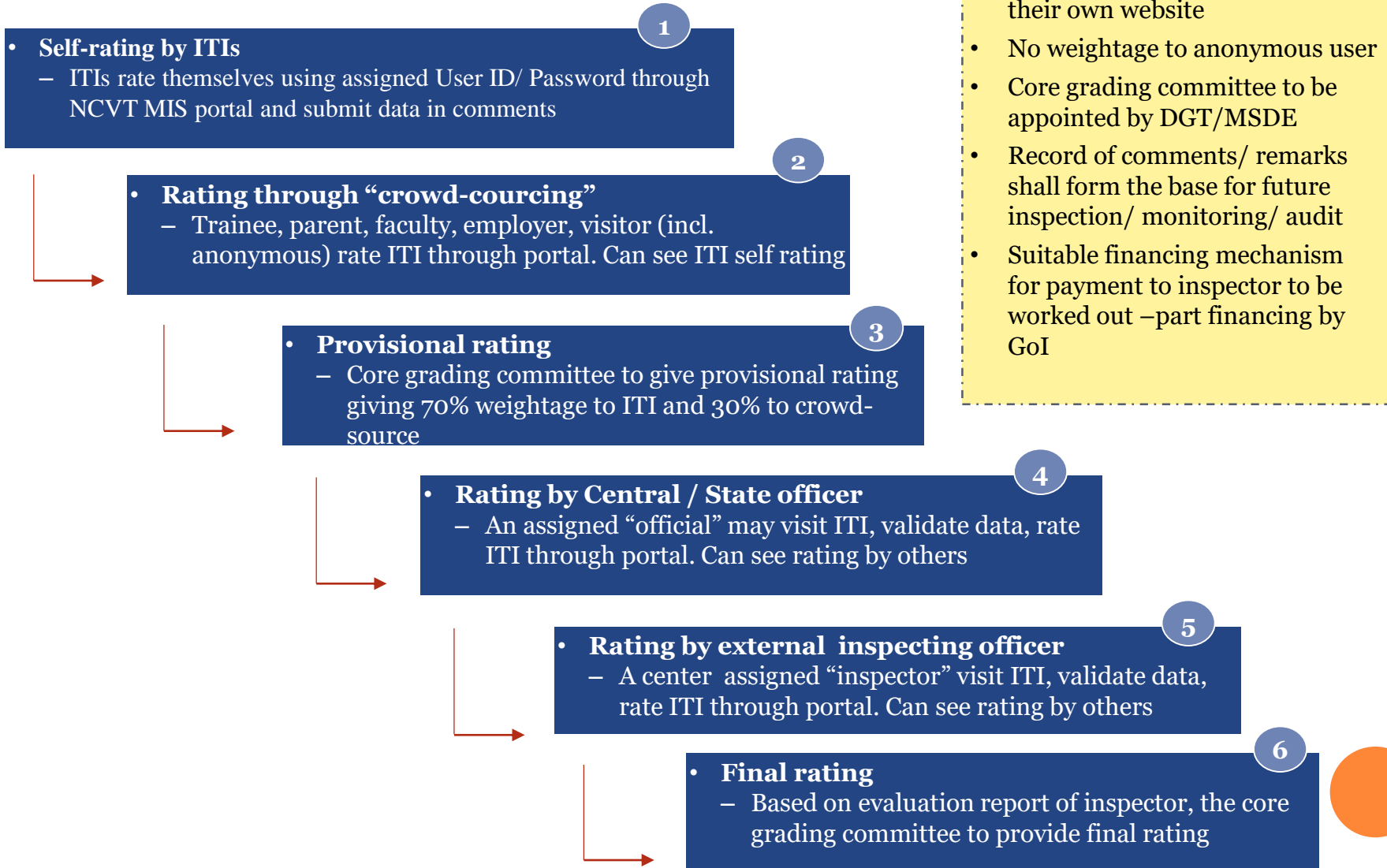
NEED FOR GRADING

- Ensures a quality assurance mechanism is in place given the speedy increase in number of ITIs
- Ensures quality checks of around 13,000 existing ITIs (Govt. and Pvt.)
- Provides a benchmark for comparison amongst institutes
- Objective is to provide “star rating” to the performing institutes and give an opportunity to lagging institutes to improve

KEY ASPECTS

- Total 39 grading parameters, grouped under 10 heads
- Grading shall be voluntary in nature
- Only those ITIs desirous of obtaining rating shall be required to submit information/ data for the purpose

GRADING METHODOLOGY - 6 STEPS



39 GRADING PARAMETERS - 10 HEADS

<p>1. Civil work</p> <ul style="list-style-type: none"> • Dedicated plot • Building completion certificate • Owned building 	<p>3. Industry connect</p> <ul style="list-style-type: none"> • MoUs with industry • Dual training • Functional IMC • No. of guest faculty 	<p>8. Capacity utilization</p> <ul style="list-style-type: none"> • Capacity utilization (power) • Capacity utilization (seats) 	<p>9. Compliance with DGT instructions such as biometric attendance, Adhaar details, no. of women students and others</p>
<p>2. Trades</p> <ul style="list-style-type: none"> • Diversity of trades • Advanced trades • High-end machines • Re-affiliation of trades as per NCVT norms 	<p>5. Instructors</p> <ul style="list-style-type: none"> • Vacancy % • Full time principal • CITS • Industry experience 	<p>7. Misc.</p> <ul style="list-style-type: none"> • IT lab • Library with No. of books • ITI website • Scholarships • Convocation • Grievance redressal • Branding • Girls washroom • Logbook for machine repair • Innovations 	<p>6. Production center</p> <ul style="list-style-type: none"> • Availability of functional production center with revenues
<p>4. Outcome</p> <ul style="list-style-type: none"> • Placement%, dropout & pass-out% • Companies recruited min. 5 each in last 3 years • Top 5 employers employing 25% of students in last year 		<p>10. Special achievements such as awards and accolades at district/ state/ national level; ISO certification 29990; patent</p>	



ISO 29990 CERTIFICATION OF ITIS

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- Centrally Funded Scheme with an outlay of outlay of Rs. 40.52 crore.
- Strives to motivate the ITIs to adhere to the measures specified in the standard “ISO 29990”.
- Five ITIs from each district (two private) would be reimbursed an amount equal to 80% of the bill submitted against ISO 29990 certification with a ceiling of Rs. 1,00,000/- per ITI.
- 80% of the bill submitted against supplying and installing Aadhar Enabled biometric attendance devices/systems to a ceiling of Rs. 20,000/- per ITI.
- MSDE has addressed all States/UTs for initiating the process of ISO 29990 certification.



SKILLS STRENGTHENING FOR INDUSTRIAL VALUE ENHANCEMENT (STRIVE)

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OVERVIEW

Budget	Rs. 3225 crore 50% funding through World Bank assistance
Duration	Six years (2016-2022)
Type of Scheme	Central Sector Scheme
Aim	<i>To improve the quality and market relevance of vocational training provided in ITIs and apprenticeships</i>

COMPONENTS

1. Improving and Broadening Apprenticeship Training

2. Improving Performance of ITIs

3. Increasing State Capacities to Support ITIs and Apprenticeship Training

4. Improving Teaching and Learning

Improving and Broadening Apprenticeship Training

Objectives:

- Support new **dual programmes** in line with labour market needs
- Encourage/ enable **SMEs** to participate
- Strengthen involvement of **industry clusters**
- Improve **capacities** of basic training providers, industries and clusters to design and implement apprenticeship training programs

Includes:

- **Industry Apprenticeship Initiative (IAI) Grant Mechanism**
– support to industry clusters to engage in modern apprenticeship training
- **Research and awareness** creation (communication strategy)
- **Capacity development** of key actors in government and private sector
- Apprenticeship Monitoring Unit

IMPROVING PERFORMANCE OF ITIS

Objectives:

- To deepen relations between ITIs and **employers**
- Introduce **results-based funding** to incentivize better performance of ITIs
- Encouraging ITIs to become more **responsive to their target groups and to the needs of industry**
- Helping ITIs to **upgrade** their facilities

Performance-Based Grant Scheme:

- Around 750 ITIs to be funded with average of Rs 1.8 cr per ITI
- Eligibility: At least 3 Star rating on grading parameters
- Competitive Selection
- **Key Performance Indicators (KPIs)** linked to funding:
- Increase in
 - Trainees undergoing on-the-job training (OJT)
 - Percentage of female trainees
 - Enrolments
 - Rating on grading parameters

INCREASING CAPACITIES OF STATE GOVERNMENTS TO SUPPORT ITIs AND APPRENTICESHIP

Objectives:

- Improve **regulatory environment for ITIs**
- Improve State participation in **promotion and facilitation of apprenticeship training**
- Improve **capacities** of State Governments to support and develop ITIs and apprenticeship training
- Improve **monitoring** capacities of State Governments

Performance-Based Funding Scheme:

- **Key Performance Indicators (KPIs)** linked to funding:
 - Centralized admission process
 - Equivalence of ITI certificate with State Board certificate
 - Career progression policy for ITI trainers
 - Establishment of Apprenticeship Monitoring Unit
 - Development of MIS and reporting of information
 - Conducting tracer studies
 - Reducing vacancy of ITI trainers
 - Industrial training of ITI trainers

IMPROVING TEACHING AND LEARNING

Objectives:

- To enhance the **quality of teaching and learning** in ITIs by:
 - improving **teaching and learning materials**
 - Improving and making **training programs for ITI teachers** more accessible
- To **upgrade selected central training institutes** to multi-purpose resource centres

Includes:

- Industry led **curriculum development system**
- Development of **ICT-based teaching and learning materials**
- **Distance learning** modules for teacher training
- Development of **Continuous Professional Development** system for trainers
- Upgradation of equipment and facilities of **teacher training institutes**

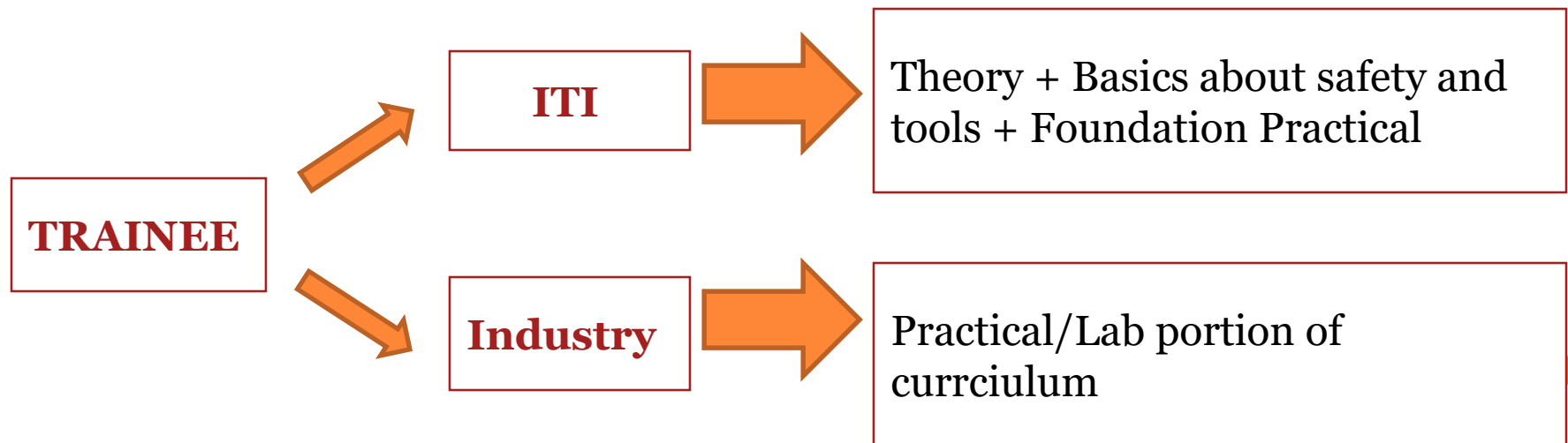


DUAL TRAINING

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BACKGROUND AND NEED

- Dual System of Training will enable industries to partner with ITIs for conducting training programmes under high employability courses to fulfil the needs of industries.
- Combines practical training in the industry and theoretical training in ITI(s) which gives better ITI – Industry linkage and better hands on experience for the trainees.



TRADES APPLICABLE

The dual system training is currently available for the following 10 popular trades:

1. Electrician
2. Fitter
3. Machinist
4. Turner
5. Electronics Mechanic
6. Welder
7. Mechanic Diesel
8. Mechanic (Motor Vehicle)
9. Cosmetology
10. Tool & Die Maker (Dies & Mould)

STIPEND

- Industry to pay a stipend equal to 70% of minimum wages for semi-skilled worker notified by the respective governments.
- Sharing of 25% of prescribed stipend subject to a maximum of Rs. 1500/- per month to the employers (as per NAPS)

STATUS

- Policy guidelines for Dual System of Training have been approved and communicated to State Governments. The same are also available on DGT's website.



SPACE BASED DISTANCE LEARNING PROGRAMME (SDLP)

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CONCEPT

- MSDE now plans to make use of space technology for increasing the reach to thousands of ITIs spread across the country, including remote and difficult areas.
- Distance Learning Programme (DLP) by establishing Satcom based network
- The network Hub to be established at NIMI, Chennai.
- Network to be configured using 9.1M Ku-Band Hub, Studio/Teaching end with both interactive and broadcast channels.
- 31 Centrally funded Institutes under DGT will be connected to Ku-band Hub located at NIMI, Chennai. These CFIs will be rotating Teaching end/Studios.

IMPLEMENTATION

- During the Phase I, Satellite system consisting of the Hub and Studio will be established at NIMI Chennai and Remote terminals, SITs will be installed at CFIs ie DGT field Institutes.
- During Phase II, Remote centers (SITs) will be established at Government ITIs located at district headquarters, one each per district. ITIs which do not require two way communication can install Receive only Terminals (ROT). Funds will be transferred to State Governments for installation of SITs.

STATUS

- MOU signed with Development & Educational Communication Unit (DECU), ISRO for technical support.
- Technical Specifications drawn by ISRO.
- Funds for the first phase approved and sanction orders under issue.
- RFP for purchase of equipments is being floated.
- Letters issued to State Training Directors to identify one ITI per district for installation of SITs.

Thank You



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