

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS**

**LOK SABHA
UNSTARRED QUESTION NO.4213
TO BE ANSWERED ON 21ST MARCH, 2018**

SKILL DEVELOPMENT IN TELECOM SECTOR

4213. SHRI RAJESH PANDEY:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether the Government has taken any measures to accelerate skill development in the telecom sector and if so, the details thereof and if not, the reasons therefor;
- (b) the target and success rate of these programmes so far; and
- (c) the details of the specific domains of telecom sector in which the skill development is being provided and the demand and supply gap for skill development in telecom sector?

ANSWER

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF COMMUNICATIONS &
MINISTER OF STATE IN THE MINISTRY OF RAILWAYS
(SHRI MANOJ SINHA)**

(a) Yes, Madam. Government of India has taken numerous measures to accelerate the skill development in telecom sector. The Telecom Sector Skill Council (TSSC) along with industry partners is providing training for different job roles in the telecom sector under the Pradhan Mantri Kaushal Vikas Yojana (PMKVY) and various other schemes of Gol.

In addition to this the PSUs of DoT are also conducting skill development trainings under their various schemes. Skill development has been a key focus area of ITI Limited. The emphasis is on developing the skills through a systematic training, so that the skill development training programmes becomes more industry relevant, self sustainable and to create employment opportunities for youth in Telecom Sector. ITI has taken many measures to accelerate skill development in telecom sector.

Further the PSUs have registered and are in the process of registering their training centers with Ministry of Skill Development & Entrepreneurship (MSDE) and start skill development under the PMKVY scheme of MSDE to meet the demand for human resources in the telecom sector.

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(b) The targets and success rate in respect of the schemes where TSSC is carrying out skill training for different job roles in the telecom sector are as given below:

Scheme	Target	Enrolled	Success rate
PMKVY (FY 16-17 & 17-18 years)	184,196	123,062	67%
NSKFDC* (FY 17-18)	500	369	73.8%
NBCFDC** (FY 17-18)	300	300	100%

* National Safai Karamcharis Finance & Development Corporation

** National Backward Classes Finance & Development Corporation

The number of candidates so far trained by the PSUs of DoT is as under.

PSU	Total Candidates Trained	Remarks
BSNL	14949	This includes 9451 BSNL employees who have been successfully trained, assessed and evaluated under Recognition of Prior Learning (RPL) against an internal target of 10000, 602 ITI holders under apprenticeship training against a target of 3089 and 4896 candidates provided by various State Governments
MTNL	13333	This does not include training given to MTNL employees
ITI	5722	No specific targets were allocated to PSUs by NSDC/ MSDE under PMKVY. However, internal targets stipulated by ITI, as a performance indicator have been fully achieved.

(c) The four segments/domain under which TSSC is carrying out skill training are as under:

- a. Network Segment
- b. Service Segment
- c. Handset Segment (includes manufacturing)
- d. Passive Infra Segment

MTNL is providing skill development in Telecom Sector in various topics like Industrial Training, Fiber to the Home (FTTH), Computer Familiarization, Personality Development, Broadband Basics, OFC & Splicing Practices etc.

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ITI is doing training for optical fiber splicer & optical fiber technicians (which include training of candidates as well as trainers ie. TOT), BSS support engineers, PCB manufacturing, Pick & Place operator, Solar module technician, specialized trade skills for ITI Trade Certificate trainees, training to adopted ITI apprentices etc by ITI. The details of specific sectors - Qualification Packs (QPs)/ Job Roles of TSSC /ESSCI or ITI Modules conducted / being conducted in ITI is placed at **Annexure I**.

A detailed Skill Gap study was undertaken by MSDE. As per the Environmental Scan Report-2016 of Ministry of Skill Development and Entrepreneurship (MSDE), assessment of Indian Cellular Association (ICA), Telecom Sector Skill Council (TSSC), an additional skilled manpower requirement to the tune of 47,75,500 is estimated in telecom sector till the end of financial year 2021-22. The sub-sector wise additional skilled manpower requirement is detailed below:

SI no.	Telecom subsector	Telecom manpower		Total additional Requirement
		2016-2017	2021-2022	
1	Service Providers	8,40,000	13,90,000	5,50,000
2	Infra Providers	1,40,000	5,20,000	3,80,000
3	Network & IT providers	5,90,000	9,90,000	4,00,000
4	Telecom Equipment manufacturers	5,80,000	13,80,000	8,00,000
5	Retail & Distribution	7,60,000	13,90,000	6,30,000
6	Mobile Handsets *	10,94,500	31,10,000	20,15,500
	Total	40,04,500	87,80,000	47,75,500

1 to 5: Source-KPMG report of MSDE

*The Indian Cellular Association(ICA) has assessed a total manpower requirement of 22,15,000 in the period from 2015-16 till 2021-22.

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Annexure -I

The details of specific sectors - Qualification Packs (QPs)/ Job Roles of TSSC /ESSCI or ITI Modules conducted / being conducted in ITI.

No. of Courses and its duration				
Sl. No.	Name of Skill Development Scheme	Job role / Module	Location	Duration
1	Optical Fibre Splicer - TSSSC QP	TSSC-QP	Bangalore	300 Hrs
2	Optical Fibre Technician- TSSSC QP	TSSC-QP	Bangalore	350 Hrs
3	BSS Support Engineer	TSSC-QP	Rae Berali	30 days
4	Solar Module Assy Operator	ESSCI-QP	Naini	15 days
5	PCB Fabricator	TSSC-QP	Bangalore	15 days
6	Circuit Image Operator-PCB	ASAP (ESSCI-QP)	Palakkad	350 Hrs
7	Pick & Place Assembly Operator	ASAP (ESSCI-QP)	Palakkad	350 Hrs
8	Field Technician -Computing and Peripherals	ASAP (ESSCI-QP)	Palakkad	350 Hrs
9	Specialised Trade Skills for ITI Trade Certificate trainees	ITIL MODULE	All ITI Plants	1 - 3 yrs
10	Trg in Telecom / E & C skills for Diploma-Engg	ITIL MODULE	All ITI Plants	1 yr
11	Trg in Telecom / E & C skills for skills for Graduate Engineers	ITIL MODULE	All ITI Plants	1 Yr
12	Basic Trg in Telecom / E&C skills (In-plant)	ITIL MODULE	All ITI Plants	1 week-3 mths
13	Specialised Trg in Telecom/ E&C skills for projects	ITIL MODULE	All ITI Plants	4 - 8 weeks
14	Proficiency/ Finish-ing Trg in Telecom / E&C skills	ITIL MODULE	Mankapur	2 - 4 weeks
15	Specilised Industrial training to Adopted ITIs Apprentices.	ITIL MODULE	Palakkad, Mankapur & Naini	2 days to 1 week
