

(e) whether Government is planning to enhance the present bandwidth to make the country totally cashless economy, if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS (SHRI MANOJ SINHA): (a) As per Telecom Regulatory Authority of India (TRAI), International internet bandwidth available in the country is 2241 Giga bits per second for the quarter ending 30th September, 2016. Data for domestic internet bandwidth is not maintained by TRAI.

(b) Digital payment system does not require special bandwidth.

(c) Such State/UT-wise details of supportive bandwidth are not maintained.

(d) No incidence of any telecom system failure due to high online traffic has been reported from 8 November' 2016 till date.

(e) Augmentation of networks by telecom service providers for enhancing the bandwidth is a continuous process. Further, Government has allocated 965 Megahertz spectrum through auction in October 2016 to various telecom service providers for access services. This will enable the telecom service providers to roll-out 3G and 4G services which will also enhance the availability of internet bandwidth. Also, BharatNet project is being implemented to provide 100 Mbps broadband connectivity to all Gram Panchayats (approx. 2.5 lakh) in the country, which will further enhance internet bandwidth availability.

Skill development for telecom sector

1814. PROF. M. V. RAJEEV GOWDA: Will the Minister of COMMUNICATIONS be pleased to state:

(a) whether Government has taken any measures to accelerate skill development for the telecom sector;

(b) if so, the target and success rate of these programmes so far;

(c) if not, the reasons therefor; and

(d) 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?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS

(SHRI MANOJ SINHA): (a) Yes Sir, the Government has taken multiple measures to accelerate Skill Development in Telecom Sector namely:—

- (i) As the first step, the Government has got conducted the Skill Gap study twice, first time in Sept' 2014 and subsequently in June' 2016 to assess the telecom sector skill requirements till 2022.
- (ii) A detailed Telecom Sector Skill Plan containing the road map to generate Telecom Skilled manpower as per telecom sector skill projections till 2022 has been prepared in Sept' 2016.
- (iii) The Training centers of DOT PSUs namely Bharat Sanchar Nigam Limited (BSNL), Mahanagar Telephone Nigam Limited (MTNL) and ITI Ltd. are being accredited to Ministry of Skill Development and Entrepreneurship to impart large scale Skill Development Trainings to youths in Telecom Sector.

(b) The target and success of skill development programmes is submitted below:—

- (i) As regards target, in accordance with skill gap study report of Sept' 2014, Telecom Sector manpower was expected to increase from 2.08 million in 2013 to 4.16 million in 2022. Subsequently owing to new schemes launched by the Government such as Make in India, Digital India, Smart Cities, Swatch Bharat Mission etc. skill gap study in the form of environmental scan was again done in June' 2016 by Ministry of Skill Development and Entrepreneurship (MSDE) and as per environmental scan report of June' 2016 the Telecom Sector manpower is expected to increase from 2.91 million in 2017 to 5.67 million in 2022.
- (ii) Subsequent to environment scan of Ministry of Skill Development and Entrepreneurship (MSDE) in June' 2016, department (DoT) after taking inputs from telecom sector stakeholders re-assessed the Telecom Skill projections till 2022 and prepared the detailed Telecom Sector Skill Plan in Sept' 2016.

As per Telecom Sector Skill Plan of the department, telecom sector manpower of 4.00 million in 2016-2017 would grow to 8.78 million by 2021-2022 creating additional requirement of 4.78 million telecom skilled manpower.

Further, as per the analysis of TSSC (Telecom Sector Skill Council), a telecom setup has invariably 20-25% high end skilled people comprising of engineers, MBAs, CAs, HR experts etc and as per experience such high end skilled people require no specific skill training rather they are given short term 2-4 weeks orientation course on the job by the employer.

The balance manpower comprising of 75-80% would require telecom skill trainings. Keeping the optimistic figure of 80%, the target telecom skilling required till 2021-22 will be to the tune of 3.86 million.

The proposed target plan to create 3.86 million telecom skilled manpower is tabled below:

Sl. No.	Organization	2017-18	2018-19	2019-20	2020-21	2021-22	Total
1.	BSNL	88,000	97,000	1,07,000	1,20,000	1,30,000	5,42,000
2.	MTNL	5,500	6,000	6,700	7,500	8,500	34,200
3.	TCIL	18,700	21,000	23,000	25,000	27,500	1,15,200
4.	ITI	2,600	2,800	3,000	3,500	4,000	15,900
5.	TSSC	4,00,000	5,00,000	6,50,000	7,50,000	8,50,000	31,50,000
TOTAL		5,14,800	6,26,800	7,89,700	9,06,000	10,20,000	38,57,300

(iii) As regards success of Skill Development programmes, it is submitted that all steps including accreditation of various Training Centers of DoT PSUs namely Bharat Sanchar Nigam Limited (BSNL), Mahanagar Telephone Nigam Limited (MTNL) and ITI Ltd. are being undertaken to ensure that skill Development Training programme tabled at (b) (ii) above is achieved.

The details of Skill Development trainings provided in previous three financial years is also submitted below:

Sl. No.	PSU	Skill Development Trainings in 2013-14	Skill Development Trainings in 2014-15	Skill Development Trainings in 2015-16
1.	ITI	2,352	2,022	2,104
2.	TCIL	15,017	14,931	15,928
3.	MTNL	4,252	3,421	4,543
4.	BSNL	1,02,725	89,124	73,464
5.	TSSC	29,470	1,83,774	97,908
TOTAL		1,53,816	2,93,272	1,93,947
GRAND TOTAL (2013-16)		6,41,035		

(c) Not Applicable *in lieu* of (a) and (b) above.

(d) The details of specific domains of telecom sector where Skill Development Trainings are being provided are detailed below:

Sl. 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.	N/W & 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

It is further submitted that since skill gap analyses has been done well in advance as projected above, the demand side and then-after adequate telecom skilling plan has been drawn as detailed under item (b) (ii) above, no supply gap is anticipated in Telecom Sector.

Number of postmen and postwomen under Department of Posts

1815. DR. VINAY P. SAHASRABUDDHE: Will the Minister of COMMUNICATIONS be pleased to state:

(a) the total number of postmen and postwomen currently under the permanent employment of the Department of Posts;

(b) the number of temporary postmen and post women working and their future prospects; and

(c) whether Government has ever undertaken any capacity building programmes for these postmen/women, if not, the reasons therefor if so, the details of such programmes during the last ten years?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS (SHRI