

(b) The major telecom service providers against whom highest number of Call drop/Improper Network Coverage complaints have been received in Department of Telecommunications in the last three years *i.e.* from 1st January 2015 to 6th December, 2017 include M/s Bharat Sanchar Nigam Limited (BSNL) – 2,622 ; M/s Bharti Airtel (Airtel) – 2,597 ; M/s Vodafone Essar (Vodafone) – 1,309 ; M/s Reliance Communications (R Com) – 1,251 ; M/s Reliance Jio Infocomm (R Jio) – 946 (services started in 2016) ; M/s Idea Cellular (Idea)- 802, M/s Mahanagar Telephone Nigam Limited (MTNL)- 473 and M/s Aircel Cellular (Aircel) – 255.

As per TRAI, major telecom service providers against whom highest number of Call drop complaints have been received in the last three years *i.e.* from 1st January 2015 to 8th December, 2017 include M/s Bharti Airtel (Airtel)– 546, M/s Vodafone Essar (Vodafone) - 346 ; M/s Idea Cellular (Idea) – 166; M/s Reliance Communications (RCom) – 157; M/s Bharat Sanchar Nigam Limited(BSNL) – 70; M/s Aircel Cellular (Aircel) – 37; M/s Reliance Jio Infocomm (RJio) – 26 (services started in 2016); M/s Mahanagar Telephone Nigam Limited (MTNL)- 19.

- (c) The remedial actions taken by the Government in this regard includes;
- (i) Close monitoring of performance of service providers, against the benchmarks for various quality of Services parameters including those for call drop rate as laid down by TRAI through periodic reports from service providers,
 - (ii) Conduct of customer surveys, independent network audit and undertaking service drive-test of mobile networks in select cities, highways, and railway routes,
 - (iii) Review meetings with service providers to evaluate the performance and action plan including for call drop parameters,
 - (iv) Imposition of financial disincentives for non-compliance with the benchmarks for quality of Services parameters, and
 - (v) TRAI benchmarks for call drop rates have been amended with effect from 1st October 2017 to help identifying local areas where Cell(s) have not performed well for many days and also to identify Day(s) on which many cells in the network of a service provider have not performed well.

5G Services

62. SHRI SANJAY SETH: Will the Minister of COMMUNICATIONS be pleased to state:

(a) whether Government has set up a high-level forum that will evaluate and approve roadmap and action plan to bring in the latest technology in the country to roll out 5G services;

(b) if so, the details thereof along with composition of the forum; and

(c) the steps taken by the Ministry to improve the existing 3G and 4G networks in the country and to increase the access of 3G and 4G services in various areas to have a better internet experience?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS (SHRI MANOJ SINHA): (a) and (b) Yes, Sir. The Government has constituted High Level Forum for 5G India 2020 on 22nd September 2017. The details of the composition of 5G forum are given in the Statement (*See* below).

(c) In order to facilitate improvement and expansion of networks, including existing 3G and 4G networks in the country, the Government has, *inter-alia*, initiated a series of measures, like: -

- (i) Making available sufficient spectrum for mobile services,
- (ii) Allowing Spectrum sharing, trading and liberalization of administratively allocated spectrum as per the guidelines to facilitate efficient utilization,
- (iii) Permitting sharing of active as well as passive infrastructure by the telecom service providers for achieving higher utilization of efficiency,
- (iv) Facilitating use of Government estate for installation of mobile towers on multiple-sharing basis.

Statement

Details of the composition of 5G forum

No 6-33/2017-IC

Government of India

Ministry of Communications

Department of Telecommunications

International Cooperation Division

Subject:- Constitution of High Level Forum for 5G India 2020

1. 5G is the next technological frontier. Digital Transformation through 5G will fundamentally impact other national Mission Mode projects. 5G will provide a new dimension to the Digital India, Smart Cities and Smart Village missions. 5G has potentially large contributions to Make in India and Start-Up India missions. The objective is to position India as a globally synchronised participant in the Design, Development and Manufacturing of 5G based technology, products and applications.

2. In order to steer 5G India 2020, a High Level Forum has been constituted *vide* Office Memorandum dated 22nd September 2017 with the following Members:

Sl.No.	Name/Designation	
1.	Secretary, DoT	Chairperson
2.	Secretary, MeitY	Co-Chairperson
3.	Secretary, D/o Science and Technology	Co-Chairperson
4.	Member (Technology), DoT	Member
5.	Additional Secretary, DoT	Member
6.	Sr. DDG (TEC), DoT	Member
7.	Wireless Advisor, DoT	Member
8.	Dr. A. Paulraj, Professor Emeritus, Stanford University, USA	Member
9.	Mr Gururaj Deshpande-Chairman of Sycamore Networks, Sandstone, USA	Member
10.	Prof Bhaskar Ramamurthy-Director, IIT Madras	Member
11.	Prof Abhay Karandikar-IIT Mumbai and Chairman, TSDSI	Member
12.	Prof Uday Desai-Director, IIT Hyderabad	Member
13.	Prof Anurag Kumar-Director, IISc Bengaluru	Member
14.	Prof Ramgopal Rao-Director, IIT Delhi	Member
15.	Mr. Sanjay Mashruwala-MD, Reliance Jio	Member
16.	Mr. Gopal Vittal-MD and CEO Bharti Airtel Limited and Chairman, COAI	Member
17.	Mr Ashwani K Aggarwal-Chairman, IESA	Member
18.	Mr Ananth Krishnan, CTO, TCS	Member
19.	ED, C-DoT	Member
20.	DDG (NT), DoT	Member
21.	DDG (Security-Assurance), DoT	Member
22.	DDG (IC), DoT	Member Secretary
23.	Mr. Anupam Shrivastava, CMD, BSNL	Member
24.	Mr. T. V. Ramachandran, President, Broadband India Forum	Member

* Members at Sl. No 23 and 24 included *vide* Office Memorandum dated 31st October 2017.

Chairperson may co-opt any expert as deemed necessary.

3. The Term of Reference of the High Level Forum for 5G India 2020 shall be:-
 - (a) Vision Mission and Goals for the 5G India 2020, and
 - (b) Evaluate, approve roadmaps and action plans for 5G India 2020.
4. The International Cooperation (IC) Division of DoT along with TCOE India (a PPP of Government, Academia and Industry) will service the Forum. The Forum may constitute Steering Committees of Members for various domains. The Forum shall finalise the Report on 5G Vision, Mission and Goals by March 2018.
5. This is issued with the approval of Hon'ble Minister of Communications.

Core Banking facilities in Post Offices

63. SHRIMATI SAROJINI HEMBRAM: Will the Minister of COMMUNICATIONS be pleased to state:

(a) how many post offices in the country are having Core Banking facilities with various services for the customers; and

(b) whether Government is planning to facilitate more post offices with such facilities in the near future, if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS (SHRI MANOJ SINHA): (a) There are 23463 post offices in the country having Core Banking facilities with various services for the customers. Circle wise figures of number of Post offices having Core Banking facilities are given in the Statement (*See below*).

(b) Yes, Sir. Government has planned to facilitate Core Banking in all 25564 departmental post offices. Migration to the CBS is an ongoing process and more and more post offices are getting migrated to CBS as and when the connectivity becomes available.

Statement

Circle-wise number of Post Offices having Core Banking Facilities as on 11.12.2017

Name of the Circle	No of Post Offices	Name of the Circle	No of Post Offices
Andhra Pradesh	1602	Delhi	407
Assam	507	Gujarat	1288
Bihar	781	Haryana	496
Chhattisgarh	301	Himachal Pradesh	423