

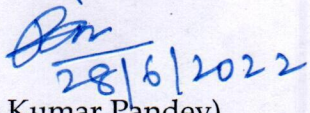
**No. 18-3/2022-O&M**  
**Government of India**  
**Ministry of Communications**  
**Department of Telecommunications**  
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Sanchar Bhavan,  
20, Ashoka Road, New Delhi-110001  
Dated: 28-06-2022

**Subject:- Monthly Summary for the Cabinet on important events of the Department of Telecommunications for the month of May, 2022.**

The undersigned is directed to circulate herewith a copy of the unclassified portion of the Monthly Summary for the Cabinet on the important events of the Department of Telecommunications for the month of May, 2022 for information.

2. This issues with the approval of Secretary (T).  
Hindi version will follow.

  
(Pravin Kumar Pandey)  
Under Secretary to the Government of India  
Tele. No. 23036073

Encl:-as above

To

PS to All Members of the Council of Ministers.

Copy to:

1. Secretary to the President ("Rashtrapati-Ke-Sachiv").
2. Secretary to the Vice- President ("Up-Rashtrapati-Ke- Sachiv").
3. CEO, NITI Ayog, New Delhi.
4. All Members of NITI Ayog (5 copies), New Delhi.
5. Chairman, U.P.S.C., New Delhi.
6. Shri Ashutosh Jindal, Joint Secretary, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.
7. copy also to :-
  - i. Secretary, Department of Education.
  - ii. Secretary, Department of Legislative.
  - iii. Secretary, Department of Statistics.
  - iv. Secretary, Department of Scientific & Industrial Research.
  - v. Secretary, Department of Defence Production.
  - vi. Secretary, Ministry of New and Renewable Energy Sources.
  - vii. Secretary, Ministry of Urban Development.

- viii. Secretary, Department of Science & Technology.
  - ix. Secretary, Railway Board.
  - x. Secretary, Department of Atomic Energy.
  - xi. Secretary, Department of Space.
  - xii. Secretary, Department of Electronics.
  - xiii. Secretary, Department of Posts.
8. Copy to :-
- i. P.S. to Hon'ble Minister for Communications/P.S. to Hon'ble MoSC
  - ii. PSO to Chairman, Digital Communications Commission & Secretary, DOT.
  - iii. Sr. PPS/PPS to Member (Finance)/Member (Services)/Member (Technology)/DG (Telecom) HQ/Administrator (USOF)/Sr. Eco. Adv. WA, WPC
9. Shri SN Choudhary, Director, PIB, Room No. 104, A Wing, Shastri Bhavan, New Delhi-110001.
10. Director General (Media & Communications), Ministry of Information & Broadcasting, Shastri Bhawan, New Delhi.
11. Policy-I Section w.r.t. their letter No. 6/6/2008-Policy-I dated 14.11.2008

*Pravin*  
28/6/2022

(Pravin Kumar Pandey)  
Under Secretary to the Government of India  
Tele. No. 23036073

ANNEXUREMONTHLY SUMMARY FOR THE CABINET ON IMPORTANT EVENTS OF  
THE DEPARTMENT OF TELECOMMUNICATIONS FOR THE MONTH OF  
MAY, 2022**A. Important events in DoT HQ for the Month of May, 2022:**

1. **Demonstration of 4G/5G Enterprise Network by Indian Start-ups and MSMEs (16<sup>th</sup>-18<sup>th</sup> May 2022):** A three-day end-to-end indigenous 4G/5G technology capabilities demonstration was held in Sanchar Bhawan. During the event, 17 Indian Start-ups/MSMEs collaborated to showcase their strength in various technology areas including **5G Core, 4G / 5G Radio, Chipsets, 5G Customer Premise Equipment (CPE), Internet of Things (IOT), Access/Backhaul, Network Management System (NMS)/ IP Multimedia Subsystems (IMS), Networking devices, Quantum Encryption Box etc.**

The event was graced by Hon'ble Minister of Communications, Hon'ble Minister of State of Communications, Secretary (Telecom) and other senior officers from DoT and other Departments Viz., DRDO, NSCS, DST, MeitY, Ministry of Defence, Ministry of Railways (also included online interaction with 125 Railway officials), academia. Online Demonstration of products and services were also arranged to Foreign participants/users in Poland and Germany with the help of MEA. This event has provided the visibility of the Indian 4G/5G products ecosystem to the Government in line with Hon'ble Prime Minister's vision of Atmanirbhar Bharat.

2. **5G Use case engagement with Ministry of Jal Shakti:** As a part of 5G Inter-Ministerial Committee on 5G Use case Lab and applications, DoT facilitated a sector specific interaction with Department of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD&GR) under Ministry of Jal Shakti and its associated institutions. During the presentation, Jal Shakti team explained about the problem statements which require solution. DoT has shared the problems statements with the industry members and solution providers for seeking for solutions for further interaction with the Jal Shakti Ministry.

3. **International Relations Issues**

A. **Meeting with German Delegation:** A physical meeting was held between DoT officials and members of visiting German delegation on 11 May, 2022 to discuss the cooperation in Telecom/ICTs. From German Side, Skyfive presented on the technological demonstration of their In Flight and Maritime Connectivity (IFMC) devices.

B. **7th Japan-India ICT Joint Working Group Meeting:** The 7th Japan-India ICT Joint Working Group meeting was held on 13th May-2022 on a virtual platform. Additional Secretary, DoT and H.E. Mr. Sasaki YUJI, Vice Minister for Policy Coordination (International Affairs), Japan co-chaired the meeting. Senior representatives from both governments and other non-governmental stakeholders from Industry, R&D and Academia attended the meeting.

C. **Commonwealth ITU Group Meeting:** Commonwealth ITU Group Virtual Meeting was held virtually on 23 May 2022. The meeting provided an opportunity for Commonwealth colleagues to meet each other before World

Telecommunication Development Conference, to present their candidacies for the upcoming elections at Plenipotentiary conference of ITU and discussed areas of commonality in our priorities for the upcoming conferences.

- D. **Visit of Tanzania Communication Regulatory Authority (TCRA) Officers in DoT for Study Tour :-** The Tanzania Communication Regulatory Authority (TCRA), delegation comprising 4 officers visit India for study tour from 23-05-2022 to 27-05-2022 in the Department of Telecommunications. During study tour interaction were facilitated with various unit of DoT, TRAI, Ministry of Information Broadcasting on various topics like licensing frame work for the access service, Data services, Submarine cable services, satellite services, spectrum management and enforcement and compliance of license among others.
- E. **1st Meeting of BRICS Joint Working Group on ICT Cooperation:** The first Meeting of BRICS Joint Working Group on ICT Cooperation was held from 25-27 May, 2022 to discuss the various documents shared by BRICS presidency (China) and draft declarations for the upcoming 8th BRICS Communications Ministers Meeting on 6th July, 2022.

#### 4. **PLI Schemes:**

PLI Scheme for Telecom and Networking Products is effective from 1<sup>st</sup> April, 2021. The summary of the cumulative investment, sales and employment as on 31.05.2022 is as follows:

- Cumulative Investment: (01.04.2021 to 31.05.2022) : Rs. 538 crores
- Cumulative Sales (01.04.2021 to 31.05.2022) : Rs. 10178 crores
- Employment (01.04.2021 to 31.05.2022) : 5693

#### 5. **PM-WANI Schemes:**

Public WiFi at 78 tourist sites and 13645 Public WiFi Hotspots working at Railway Stations have been brought under PMWANI. There are now 98,968 hotspots now in PM-WANI across India.

#### 6. **Activities of Telecom Engineering Centre (TEC)**

- A. Telecommunication Engineering Centre (TEC) along with Delegation of the European Union to India organized a webinar on **CYBERSECURITY for M2M/IoT** on 12<sup>th</sup> May 2022. Experts from India, Europe and UK presented and shared their knowledge on IoT Security - Policy Prospective, Legislation & Standards and M2M/IoT Testing & Certification. The webinar was organized in two technical sessions. Topics were related to the technical report *Code of Practice for consumer IoT security* released by TEC, which provides baseline requirements consistent with the recommendations from ETSI EN 303 645. This webinar is in line with the Government of India's initiatives for the establishment of cyber security infrastructure and to safeguard and secure consumer devices, utilities, and industrial equipment. This webinar was attended by around 150 participants across the globe.

- B. An MoU was signed by TEC & M/s VVDN on 10.05.2022. The signing of MoU will facilitate registered Startups and MSMEs working in the field of Open RAN (Radio Access Network) to get their product tested at the existing lab of M/s VVDN at Gurugram for interoperability among Open RAN components (RU/DU/CU) from different vendors along with radio conformance, protocol and interface testing as per defined Open RAN Standards at a subsidized tariff to be decided with mutual consent among MoU partners. The product offered for testing will be certified by TEC.
- C. India submitted total eight contributions, maximum from any country in ITU-T SG2 meeting, held in Geneva from 16-20 May 2022. The SG2 deals with 'Operational aspects of service provision and telecommunications management'.

7. **Activities by National Telecommunications Institute for Policy Research, Innovation and Training (NTIPRIT)**

- A. **Online workshop on Licensing Provisions and Experience sharing with ISPs:** NTIPRIT conducted an online workshop on "Licensing Provisions and Experience sharing" with Internet Service Providers (Category B and C) from the South and North region of India on 11<sup>th</sup> May 2022. The workshop was organized in association with Internet Service Providers Association on India (ISPAI). In the workshop, the topics like, "Licensing Provisions in Part-I & Part-II of Unified License for ISP", "Security conditions in the License", "Trusted Sources framework for Network equipment" etc. were deliberated. The Technical sessions were followed by an experience sharing session in which industry shared their experience and expectation from the Govt.
- B. **Webinar on "5G Use Cases in Power Sector":** A webinar on "Interoperability in Cloud Computing: Opportunities and Challenges" was conducted by NTIPRIT in association with Telecommunications Standards Development Society. India (TSDSI) on 04<sup>th</sup> May, 2022. Topics like Cloud computing framework in India, Cloud service interoperability standards, Regulation aspects in cloud computing, Telecom and cloud analytics use-case scenarios etc. were covered during the webinar. This Webinar brought together the panel of experts from Government, Industry and CSPs to discuss these aspects of Interoperability in Cloud Computing. The webinar aimed to highlight the current status of Interoperability issues in cloud computing and regulatory aspects thereon.
- C. **Webinar on 5G use cases in Manufacturing and Logistics sectors:** NTIPRIT conducted a webinar on "5G use cases in Manufacturing and Logistics sectors" on 25<sup>th</sup> May 2022. In the webinar, the topic 5G use Cases in Manufacturing and Logistics sectors in India was deliberated by expert from Academia, which was then followed by Showcasing of 5G uses cases in the Manufacturing and Logistics sectors by M/s Nokia, Vodafone Idea, JIO and Niral Networks.

8. **Implementation of Single Window Clearances (Gati Shakti Sanchar portal):** Gati Shakti Sanchar Portal was inaugurated by Hon'ble MoC on 14.05.2022. State to

Central integration of State/UT ROW Portal with centralized ROW portal has been completed for 26 States/UTs.

**B. PERFORMANCE OF CPSEs OF DOT**

**1. BHARAT SANCHAR NIGAM LTD. (BSNL)**

- a. Gross SIM sales for the month: 10,28,988.
- b. Gross Bharat Fiber (FTTH) Achievement: 89,703 connections.
- c. Gross new leased Circuits: 1,703 and upgradation: 1,295. Total provisioning including upgradation: 2,998.
- d. Gross Bharat Air Fiber Achievement (Data): 1,986.
- e. Gross Landline Achievement: 13,205 connections.
- f. Gross ADSL Broadband Achievement: 3,033 connections.
- g. 70 GB of Caching links have been added (cumulatively 150 GB links in current FY 2022-23) making the cumulative capacity of 3360 GB Caching and 2614.05 GB Peering link capacity.
- h. MNP Ratio (Po/Pi): 3.05 {Port In = 170312, Port out = 519419}
- i. The data traffic from wire line broadband has increased from 118.2 PB (April-2019), 155 PB (April-2020) and 278.6 PB (April-2021) to 418 PB in the month of May, 2022
- j. Number of online transactions on portal has increased from 27,82,427 (April-2019), 36,53,078 (April-2020) and 38,71,899 (April-2021) and now maintained as 38,38,305 in the month of May, 2022.
- k. For upgrading of Old legacy wireline exchange, out of planned 4.76 M capacity NGN Port migration, 0.0143 M capacity is migrated in May, 2022 (cumulative 3.99 M migrated).

**2. TELECOMMUNICATIONS CONSULTANTS INDIA LIMITED (TCIL)**

- Provisional Operating Turnover upto April, 2022 for the Financial Year 2022-23 is Rs. 90 Crores (Approx.).
- TCIL have secured orders for a total of approximately Rs. 27 Crores from foreign clients in the month of May, 2022.

**3. INDIAN TELEPHONE INDUSTRY (ITI):**

- For financial year 2020-21, the company has clocked a turnover of Rs. 2077 Crore, with a Profit after Tax of Rs. 121 Crore.
- The performance of the Company in the month of May 2022 is ₹ 43.83 Crores (provisional). The turnover is mainly constituted from SMPS, Solar Panel Manufacturing, Mini PC, OFC, HDPE, Mini PDO, Smart cards, 3D Printing, Gujnet, NFS projects, Contract Manufacturing, Banking products, Solid Waste Management System, IAF: 3G to 4G Upgradation, AMC for Defence Equipment, NGN equipment, OCB, GSM-SZ, Business from Data Centre, Services from Test labs, Reliability lab, Start-up Hub, E-Seva, VSSC Business, SaaS, GSM-Franchise, Skill Development, Third Party Audit Services (TPA) for implementation of Bharatnet Phase II project in the states of Jharkhand, Odisha and business generated by Corporate, MSP, etc.

**C. BharatNet:**

(i) BharatNet project is being implemented in a phased manner to provide broadband connectivity to all the Gram Panchayats (approx. 2,50,000) in the country. The cumulative status of the BharatNet project, as on 30.05.2022 is as follows:

Optical Fiber Cable laid	:	5,74,977 KMs
GPs connected by Optical Fibre Cable (OFC)	:	1,80,980 GPs
Total GPs Service Ready (OFC + Satellite)	:	1,75,567 GPs

As part of this flagship project, the Last Mile connectivity, through Wi-Fi or any other suitable broadband technology to access broadband/internet services is to be provided at all the GPs in the country. Wi-Fi hotspots have been installed at 1,04,302 GPs and out of them, services are being provided at 53,353 GPs and 2,08,035 FTTH connection are installed by BSNL, CSC-SPV & other ISPs. Overall data usage on BharatNet is about 2138 TB for the month of May, 2022.

(ii) The scope of BharatNet has now been extended upto all inhabited villages beyond GPs. On 30.06.2021, Union Cabinet accorded approval for a revised strategy for implementation of BharatNet through Public-Private Partnership (PPP) model in 16 States of the country covering about 3.61 lakh villages (including 1.37 lakh GPs). For implementation of the PPP model in 16 States, the Request for Proposal (RFP) was floated on 20.07.2021 through global bidding for selection of the Private Sector Partner(s) and bid was opened on 27.01.2022, with last date of bid submission on 27.01.2022. As no bid was received, Revised RFP and timelines are being worked out with alternative models. Project is scheduled to be completed by 2025.

**D. TELECOM SECTOR KPIs:**

The details regarding number of telephones and tele-density in the country at the end of April, 2022 are as under-

Total no. of wireline telephones	25.14 million
Total no. of wireless telephones	1142.57 million
Total no. of telephone connections	1167.72 million
Overall tele-density	84.87%

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