

No. 18-3/2024-O&M
Government of India
Ministry of Communications
Department of Telecommunications

Sanchar Bhawan, 20, Ashoka Road,
New Delhi-110001
Dated: 02.12.2024

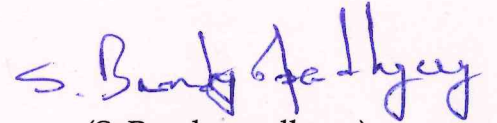
Subject:- Monthly Summary for the Cabinet on important events of the Department of Telecommunications for the month of October, 2024.

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 October, 2024 for information.

2. This issues with the approval of Secretary (T).

Hindi version will follow.

Encl.:- As above



(S. Bandyopadhyay)
Director (Coord)
Tel.: 011-2303 6225

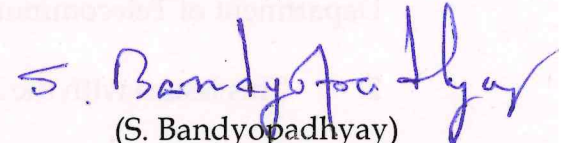
To

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 Aayog, New Delhi.
4. All Members of NITI Aayog, New Delhi.
5. Chairman, U.P.S.C., New Delhi.
6. 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)/ Eco. Adv./ WA, WPC
9. Additional Director General, PIB, 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


(S. Bandyopadhyay)
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**MONTHLY SUMMARY FOR THE CABINET ON IMPORTANT EVENTS OF
THE DEPARTMENT OF TELECOMMUNICATIONS FOR THE MONTH OF
OCTOBER, 2024**

A. Important events in DoT HQ for the Month of October, 2024:

1. International Telecommunication Union - World Telecommunication Standardization Assembly (ITU-WTSA)- 2024 held from 15-24 October, 2024 and India Mobile Congress (IMC) from 15-18 October, 2024:

Hon'ble PM inaugurated ITU World Telecommunication Standardization Assembly (WTSA) - 2024 and also 8th edition of India Mobile Congress (IMC) on 15th October, 2024 at Bharat Mandapam, New Delhi. The former is the governing conference for the standardization work of the International Telecommunication Union, the United Nations Agency for Digital Technologies, organized every four years. It is for the first time that the ITU-WTSA was hosted in the Asia-Pacific. It witnessed the highest-ever turnout of 3,700 delegates from over 160 countries for a WTSA assembly. The number and scope of the resolutions taken-up/adopted at the WTSA 2024, the agenda items, key focus areas, and events that took place on the sidelines- all cemented India's place as a substantial player in the telecommunications landscape. IMC is the largest technology exposition domestically and was well-attended by industry, academia/research personnel, start-ups, innovators & technology demonstrators, government organizations, and common citizens.

2. Organization of ITU-WTSA Hackathon 2024:

Department of Telecommunications (DoT), in collaboration with the International Telecommunication Union (ITU), organized the "AI Bharat 5G/6G Sandbox" hackathon. Phase 1 of the hackathon was held online from August 7 to September 30, 2024, while Phase 2 concluded in person on October 8, 2024, at Bharat Mandapam. The event brought together global participants, with 12 shortlisted teams – seven from India and five from other countries in Phase 2.

The hackathon focused on integrating AI and ML into 5G and 6G networks, aligning with the United Nations Sustainable Development Goals (SDGs). Its primary aim was to tackle practical, global issues using advanced technology and international standards.

Arising out of this hackathon, three notable contributions (two from India and one international) encompassing four use cases from the ITU WTSA Hackathon will be presented at the inaugural meeting of the ITU Focus Group on AI Native Networks on November 6 and 7, 2024.

3. Gazette Notification of Rules under the Telecommunications Act, 2023:

After carrying out public consultation on the draft rules published in July 2024, final Telecommunications (Commercial Radio Operator Certificate of Proficiency to Operate Global Maritime Distress and Safety System) Rules, 2024 and

the Telecommunications (Amateur Services) Rules, 2024 (both notifications dated 29.10.2024) under the Telecommunications Act, 2023 have been published in the Official Gazette on 01.11.2024.

4. 100 5G Use Case Labs:

Regarding the establishment of 100 5G Labs across educational institutes, the status update for October, 2024 is as follows:

- Four Vendors had been selected for supply of equipment with 25 labs each for North, South, West and East Zone. Currently, 95 labs have been installed and the rest are under installation/ delivery phase.

5. Status of PM WANI Scheme:

- Total number of Wi-Fi Hotspots under PM WANI added in October - 44
- PM Wani Hotspots as on 31.10.2024 - 2,46,919

6. Progress on NBM targets of Fiberization:

OFC laid [Target 50 lakh km]	41,26,709 km as of 30.06.2024	41,91,060 km as of 30.09.2024
% of BTS Fiberized (Target 70%)	44.65% as of 30.06.2024	45.33% as of 30.09.2024
No. of mobile Towers (Target 15 Lakh)	8,09,201 as of 29.09.2024	8,11,716 as of 31.10.2024

7. Important policy decisions and achievements on Artificial Intelligence (AI) & Security:

A list of important policy decisions and achievements on AI and Security is given at Annexure-A.

8. Achievements of National Communications Academy (NCA):

- Achievements of NCA-T, Ghaziabad campus are at Annexure-B.
- Salient activities undertaken by NCA-F, Ghitorni campus are given at Annexure-C.

9. Social media activities undertaken during October, 2024 are listed at Annexure-D.

10. Special Campaign 4.0:

Department of Telecommunications organized the Special Campaign 4.0 in DoT HQ, its attached & subordinate offices, field offices and PSUs, across the country from 02.10.2024 to 31.10.2024 successfully.

B. PERFORMANCE OF PSU's OF DOT

1. BHARAT SANCHAR NIGAM LTD. (BSNL)

- a. Gross SIM sale for the month: 19,41,287.
- b. Gross Bharat Fibre (FTTH) Achievement: 88,797 Nos. in the month of October, 2024.
- c. A total of 8,48,596 Rural FTTH connections have been provided on BharatNet Infra under special project through BharatNet Udyami upto October, 2024.
- d. Gross Leased Circuits including upgradation is 2719 nos. (Gross provision is 1527 and Upgradation is 1192) in the month of October, 2024.
- e. a) Platinum EB sales: Rs 289.90 Crs.
b) Gold EB sales: Rs 359.52 Crs.
- f. Gross Bharat Air Fibre Achievement (Data): 343 in October, 2024.
- g. Gross Copper Landline Achievement: 4233 connections, Copper Broadband is 2857 in October, 2024.
- h. 100 GB of Caching and 40 GB peering links have been added (cumulatively 2640 GB links in current FY 2024-25) making the cumulative capacity of 7670 GB Caching and 4094.05 GB Peering link capacity.
- i. The data traffic from the wire line broadband has increased from 118 PB (April-2019), 155 PB (April-2020), 279 PB (April-2021), 393 PB (April-2022), 556 PB (April-2023), 701 PB (April-2024) to 710 PB in the month of October, 2024.
- j. No. of Online transactions on portal has increased from 27,82,427 (April-2019), 36,53,078 (April-2020), 38,71,899 (April-2021), 37,45,974 (April-2022), 38,62,674 (Apr-2023) and now maintained around same level , ie 36,87,787 (Apr-2024) to, 35,69,943 in the month of Oct-2024, despite shifting of transactions to whatsapp and mobile App.
- k. MNP Ratio (Po/Pi): 0.71 {Port In= 7,20,461, Port out= 5,14,218}.
- l. CAMEL International roaming service has been launched on dated 18.10.2024 with the operator Telefonica (UK).

2. TELECOMMUNICATIONS CONSULTANTS INDIA LIMITED (TCIL)

- Provisional unaudited Turnover up to September 2024 for the Financial Year 2024-25 is Rs. 1252.61 Cr and the Profit before tax (PBT) is Rs. 78.70 Cr. The same for upto September, 2023 for FY 2023-24 was Rs. 1076.64 Cr.
- TCIL has secured orders for a total of Rs. 263.31 Cr from foreign & inland clients in the month of October 2024. Total Order Booking up to October 2024 in FY 2024-25 is Rs. 1345.41 Cr (combined Domestic & Foreign).

3. INDIAN TELEPHONE INDUSTRY (ITI)

The performance of the Company in the month of October 2024 is Rs. 345.33 Crore (Provisional). The turnover is mainly constituted from supply of HDPE, OFC, RAN Equipment, Contract manufacturing, Mini PC, Laptops, ODC, Telephones, Solar Panels, Banking Products, Execution of BSNL 4G, Tanfinet, NFS, Airtel NLD and GujNet projects, AMC for MLLN and GPoN Equipment, Business from Data Centre, Services from Test labs, Reliability lab, Start Ups, LED Street lights, VSSC Business and business generated by Corporate MSPs etc.

C. BharatNet

a. **Gram Panchayats:** 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, at the end of October, 2024 is as follows:

Optical Fiber Cable laid	: 6,92,099 KMs
GPs connected by Optical Fibre Cable (OFC)	: 2,09,267 (GPs)
Total GPs Service Ready (OFC + Satellite)	: 2,14,283 (GPs)

With effect from 01-07-2022, the work of O&M and utilisation of BharatNet (except State led model States) have been assigned to BSNL. For BharatNet Phase-II (being implemented on OFC/Radio), the respective Implementing Agencies are responsible for the utilisation of the created network.

Further, 11,74,536 FTTH connections have been installed by BSNL & other ISPs using BharatNet. Overall data usage on BharatNet is about 1,37,967 (TB) for the month of October, 2024.

b. **Extension of BharatNet connectivity upto villages:** The Union Cabinet approved the Amended BharatNet Program on 04.08.2023 so as to expand the scope with focus on utilization of the services, using professional agencies for construction, upgradation and maintaining the BharatNet network.

Salient features of Amended BharatNet Program are as follows:

- BSNL has been made the overall Project Management Agency (PMA).
- The network from Blocks to Gram Panchayats (around 2.64 lakh) will be maintained by Professional Agencies selected through bidding process. The contract Period will be for 10 years (including 3 years for construction)
- Remaining 3.8 Lakh villages are to be constructed on demand basis.
- There is a target to provide 1.5 crores home fibre connections across rural households/ institutions/ enterprises over a period of five (5) year through BharatNet Udyami model.

The RFP for selection of PIAs for 16 packages for implementation of Amended BharatNet Program has been floated by BSNL on 15.02.2024 and various Amendments / Clarifications have been issued by BSNL. The tender/RFP has been opened on 07.08.2024 and bids are being evaluated by BSNL. As per Cabinet approval, the RFP is to be finalized within five months of Cabinet approval, signing of Master Service Agreement (MSA) within one month of award of work and completion of construction work of project within 36 months from signing of MSA.

D. TELECOM SECTOR KPIs

The details regarding number of telephones and tele-density in the country as at the end of September, 2024 are as under-

Total no. of Wireline Connections	36.67 Million
Total no. of Wireless Connections	1154.47 Million
Total no. of Connections	1191.14 Million
Tele-density	84.73 %

Important policy decisions and achievements on Artificial Intelligence (AI) & Security

- The citizen centric Sanchar Saathi portal <https://sancharsaathi.gov.in> has been visited by 7.98 Crore citizens till date, with around 2 lakh visitors every day. 71.71 lakhs mobile connections have been disconnected which were not taken by the citizens and reported on the Sanchar Saathi portal. Till date 23,48,732 mobiles handsets have been reported and blocked, out of which 14,00,358 mobile handsets have been traced. Further, 2,64,595 mobile handsets have been recovered by the States / UTs police.
- Analysis has been carried out on 134 crore mobile connections using AI based tool to detect mobile connections obtained on fake documents. Till October 2024, 77.83 lakh suspected connections have been disconnected for failing re-verification. 70,895 Point of Sale (PoSs), selling SIMs on fake documents have been blacklisted and 365 FIRs have been registered across the country.
- DoT has disconnected about 20,146 Principal Entities, 32,698 SMS Headers and 3.24 Lakh SMS Templates involved in sending malicious SMSs till date.
- 2.34 lakh mobile handsets used with disconnected fraudulent mobile connections obtained on fake documents have been blocked across all the TSPs till date.
- 11.5 lakh social media profiles like WhatsApp have been disengaged and 10.97 lakh bank/wallets accounts have been frozen which were linked to disconnected mobile connections obtained on fake documents till date.
- DoT has launched an indigenously developed 'Prevention of Spoofed Incoming International Calls System' on 22.10.2024. The system is proving to be a formidable barrier, blocking significantly number of spoofed incoming international calls daily from reaching Indian telecom subscribers. This system has been envisaged as a preventive solution for protecting Indian citizens from the menace of cyber-crime & financial frauds and initial results indicate an encouraging outcome.
- As part of the National Quantum Mission (NQM), the "Quantum Communication" Thematic Hub -one of four key hubs- will be setup at IIT Madras in association with C-DoT. These hubs, based in top institutions and research labs, will drive ground breaking advancements in quantum technologies, and the innovations that emerge. NQM is placing India at the forefront of quantum tech, unlocking exciting possibilities in communication, healthcare, finance, space, and energy.
- C-DoT participated in the India Mobile Conference (IMC 2024) at Bharat Mandapam from 15th Oct to 18th Oct, 2024 and showcased its cutting-edge indigenous telecom innovations. Live demonstrations of its powerful solutions like the Viraj 100 server for high-performance computing and Mission Critical Communication (MCX) for seamless communication in emergencies besides showcasing an array of exciting demos, including its cybersecurity solution TRINETRA, BHARAT 5G, PriME - Secure Unified Communication Solution, and AI-based Telecom Subscriber were the highlights of C-DoT's stall.

Achievements of NCA-T, Ghaziabad campus (erstwhile NTIPRIT)

1. **Training man-days/Manpower trained:**
 - a. Training Man-Days achieved during the month- 3700
 - b. Manpower trained during the month- 1028
2. **Organizing International Events:**
 - a. NCA-T conducted the side event of ITU WISA 2024 i.e. ITU Kaleidoscope Academic Conference 2024 during 21-23 October 2024. The focus of the event was "Innovation & Digital Transformation for a Sustainable World".
3. **Workshops:**
 - a. A hybrid mode workshop on Roof top Solar Projects under PM Surya Ghar Yojana, on 7 October with BSNL & SECI, for harnessing the power of Sun to cut down carbon emissions in telecom
 - b. A two-day workshop on the 'Roles of Inquiry Officer and Presenting Officer' during 21-22 October, for BSNL executives, as part of Vigilance Awareness drive.
4. **Webinars held on iGOT platform during the National Learning Week'2024:**
 - a. Creating awareness on underlying factors of security and improving security by working on them
 - b. Cyber Swachhta
 - c. Digital Threats & Mitigation
 - d. Introduction of Quantum Information Systems and Post-Quantum Cryptography
 - e. Understanding Voice Over Internet Protocol (VoIP)
5. **Faculty Development-** Two faculty members from NCA-T attended the **Case teaching and writing workshop** conducted by CBC on 15 & 22 October.

Achievements of NCA-F, Ghitorni campus (erstwhile NICEF)

1. NCA-F, an UTKRISHT level Central Training Institute achieved 5385 Mandays of training in the month of October building the capabilities of 3381 trainees/officers/karmayogis.
2. NCA-F conducted 03 panel discussions with eminent national and international experts from government, industry & academia on 18.10.2024 during the India Mobile Congress (IMC 2024). The topics covered were "Spectrum for \$1 Trillion Digital Economy", "Standard Essential Patents for Inclusive Innovation in India" & "Evolution of FinTech and the enabling role of Government". The event received widespread attention and critical policy inputs were garnered during the discussions.
3. During Karmayogi Saptah–National Learning Week, from October 19 to October 27, 2024, the NCA-F organized three webinars on the iGOT platform: "Writing Contributions in ITU"; "Personal Wealth Management" ; and "Mental Wellbeing".

Social Media Activities Undertaken during October, 2024

Twitter:

- Total No. of Tweets: 227 (original), 20 (repost)
- Total Replies: 1.3K
- Earned- Re-tweets & Likes: 5.4K (repost) & 16.2K (likes)
- Earned Impressions: 815.8K
- New Followers: 3.8K
- Total Followers: 216.1K

Facebook:

- Total No. of Posts: 198
- Earned Shares: 662
- Likes : 10.4K
- Reach: 98.1K
- New Followers: 371
- Total Followers: 58.4K

YouTube:

- Total No. of Video Posts: 121
- Video Views: 25.2K
- Watch Time: 657.7 Hours
- New Subscribers: 460
- Total Subscribers: 8.98K

Instagram:

- Total No. of Posts: 194
- Earned Impressions: 744.9K
- Likes: 34.3K
- New Followers: 700K
- Total Followers: 24.5K
