

No. 18-3/2022-O&M
Government of India
Ministry of Communications
Department of Telecommunications

Sanchar Bhavan,
20, Ashoka Road, New Delhi-110001
Dated : 22.11.2022

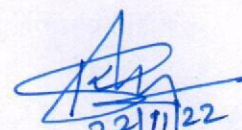
Subject:- Monthly Summary for the Cabinet on important events of the Department of Telecommunications for the month of October, 2022.

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 October, 2022 for information.

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

Hindi version will follow.

Encl:-as above



(Kuldeep Kumar)

Under Secretary to the Government of India
Tele. No. 23036073

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, 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



(Kuldeep Kumar)

Under Secretary to the Government of India

Tele. No. 23036073

MONTHLY SUMMARY FOR THE CABINET ON IMPORTANT EVENTS OF
THE DEPARTMENT OF TELECOMMUNICATIONS FOR THE MONTH OF
OCTOBER, 2022

A. Important events in DoT HQ for the Month of October, 2022:

1. **India Mobile Congress (IMC), 2022:** The Department of Telecommunications in association with Cellular Operator Association of India (COAI) and other stakeholders has organized the sixth edition of largest digital event in India and one of the leading Asia's Digital Technology Events, India Mobile Congress, 2022 from 1st October, 2022 at Pragati Maidan, New Delhi with the theme "*New Digital Universe*". The IMC, 2022 was inaugurated by the Hon'ble Prime Minister of India. The salient features of the event included:

- (i) Initiation of India's 5G revolution through Pivotal Launch of the 5G Services by the Hon'ble Prime Minister of India.
- (ii) Ideating the democratization of 5G in India across sectors like healthcare, education, agriculture, animal husbandry, industrial manufacturing, environment and worker safety apart from promoting Atmanirbharta in communications sector.
- (iii) The Digital India Conference of State IT Ministers was also held for 3 consecutive days covering presentations by 14 State IT Ministers highlighting their digital transformation initiatives and discussions on relevant topics such as new regulatory framework, emerging technologies, etc.
- (iv) The event was attended by 100210 participants, 239 Exhibitors, 100 start-ups and had 94 live 5G Use cases demo. There were 80 knowledge sharing sessions with over 360 speakers participating.
- (v) 150 Central and State Government departments/agencies participated. 6914 Central/State Government/CPSE officials participated in the event.

2. **PLI Scheme:** The approval to the 42 beneficiaries of PLI Scheme for Telecom and Networking Products, have been issued under both PLI and PLI 2.0/DLI. It includes 17 Companies under DLI Companies under PLI. As per the sales forecast submitted by the applicants, total utilization is expected to be Rs. 11,507 Cr out of Rs. 12195 Cr.

3. **ITU Elections:** Elections were held for ITU Council member and various posts of ITU during International Telecommunications Union (ITU) Plenipotentiary Conference 2022 (PP-22) held in Romania during 26 Septber-14 October, 2022. India had filed nomination for ITU Council member and for the position of ITU Radio Regulation Board (RRB) Member. India got re-elected as a Member of the ITU Council for the period of 2023-2026. Also, Ms. M. Revathi, a DoT officer, got elected

for the position of ITU-RRB Member for this period. The margins of victory were impressive signaling both the team-effort put in by the Department, MEA and other stakeholders as well as the country's standing.

4. Interaction with District officials of Vidisha, an Aspirational District on 5G

Use cases: The Department facilitated and interaction of Vidisha District officers with 5G use case providers on 14.10.2022 to accelerate digital transformation through 5G in socio-economic verticals such as Agriculture, Health, Education, water management. 10+ use case, solution & service provider companies have presented different 5G use cases targeting economic verticals. Response and follow up by District Officials has been positive. This can act as an illustrative template for replication in other Districts.

5. Wireless Licensing and Satellite Communications Reforms:

- (i) Shri Ashwini Vaishnaw, Hon'ble Minister of Communications along with Smt. Meenakshi Lekhi, Hon'ble Minister of State, External Affairs launched the Reforms on 26th October, 2022. Senior dignitaries from the Government, Industry, Academia and Research organizations were also present.
- (ii) For faster 5G roll-out, simple registration-based clearance had been introduced for deployment of micro cells on street furniture. The NOCC charges for satellite telephony and broadcasting services of Rs. 21 lakhs per annum per transponder has been eliminated further with the objective of connecting the people in remote and inaccessible locations. MPVT testing charges have also been eliminated. License fee for M2m/IOT for captive VSAT licenses have also been eliminated.

6. Telecommunication Standards:

- (i) A significant achievement during the month was the launch of a new standard on "**Generic Requirements for Quantum Key Distribution (QKD) System (No. TEC 91000:2022)**". Minister after launching the standards also witnessed the demonstration of the QKD system by C-DoT and M/s. QuNu Labs on the occasion. The QKD system uses principles of quantum physics to secure the transmission of symmetric encryption keys.
- (ii) Indian delegation participated in the meeting of WP 5D (WP 5D: '**International Mobile Telecommunications System' i.e. IMT systems**) of ITU-R Study Group 5 (SG5: '**Terrestrial Services**'), held in Geneva from 10th to 21st October, 2022. Four Contributions were submitted by National Study Group (NSG)-5 members for this meeting and all these contributions were well received and also suitably incorporated in the Working Documents.

7. Status of PM-WANI Scheme:

- (i) Total number of WiFi Hotspots deployed under PM WANI added during the month: 2606.

- (ii) Total PM WANI Hotspots functioning as on 31.10.2022 is 116990.
- (iii) PMWANI services has been rolled out in AIIMS Bilaspur, Bhopal, Raipur, Patna, Rai Bareilly, Mangal Giri during October, 2022 for use of patients.

8. 5G Rollout:

- (i) Working Committee under the State Broadband Committee have been formed by Chief Secretaries in 14 States for 5G rollout.
- (ii) Capacity building Programme for 5G use cases has been initiated in all 36 states/UTs and the first conference by Govt of NCT Delhi completed on 20th October, 2022.

9. Implementation of Single-Window (GatiShakti Sanchar Portal)

- (i) A Meeting was organized on 18.10.2022 with Army Officials regarding the development of RoW portal for Army HQ.
- (ii) Further meeting were conducted on 21.10.2022 with BISAG-N regarding mapping of 5G GIS Street Furniture/Utilities in PM GatiShakti NMP (BISAG-N) and its integration with GatiShakti Sanchar Portal and on 31.10.2022 with the MPSEDC to review the status of major pending issues and development of the 5G applications form and its integration with various States/UTs.

10. DoT-PM GatiShakti NMP Protal: OFC Network of approx. 10 Lakh Route Km of PSUs (BSNL, BBNL, RAILTEL, GAIL) mapped. State PSUs OFC collected from Telangana mapped.

| | | |
|----------------------|-----------------------------|-----------------------------|
| OFC Laid | 34,62,972 kms on 30.06.2022 | 35,50,481 kms on 30.09.2022 |
| % of BTS fiberized | 35.11% on 30.06.2022 | 35.98% on 30.09.202 |
| No. of mobile towers | 7,23,298 on 30.06.2022 | 7,37,196 on 31.10.2022 |

11. Social media activities undertaken during October, 2022:

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Twitter:</p> <ul style="list-style-type: none"> • Total No. of Tweets: 2581 • Total Replies: 2205 • Earned- Re-tweets & Likes: 33552 & 3459 • Earned Impressions: 233.4K • People Visits: 8118 • New Followers: 589 • Total Followers: 184.3 K |
| <p>Koo:</p> <ul style="list-style-type: none"> • Total No. of Posts: 40 |

- New Followers: 916
- Total Followers: 17,160

Facebook:

- Total No. of Posts: 38
- Earned Shares: 140
- Page Likes (New): 1886
- Reach: 147.2 K
- Post Engagements: 11848
- Video Views: 2508
- New Followers: 1911
- Total Followers: 33,736

YouTube:

- Total No. of Video Posts: 0
- Video Views: 3532
- Watch Time (Hrs): 107 Hrs
- New Subscribers: 40
- Total Subscribers: 1,420

B. PERFORMANCE OF PSUs OF DOT

1. BHARAT SANCHAR NIGAM LTD. (BSNL)

- Gross SIM sale for the month: 10,99,341.
- Gross Bharat Fiber (FTTH) Achievement: 1,01,673 connections.
- Gross new leased Circuits: 3,291 and upgradation: 1,220. Total provisioning including upgradation: 5,419.
- Gross Bharat Air Fiber Achievement (Data): 1,815.
- Gross Landline Achievement: 10,290 connections.
- Gross ADSL Broadband Achievement: 2,053 connections.
- 50 Gbps of Caching links have been added (cumulatively 630 Gbps links in current FY 2022-23) making the cumulative capacity of 3670 Gbps Caching and 2714.05 Gbps Peering link capacity.
- MNP Ratio (Po/Pi): 5.06 {Port In = 115437, Port out = 583911}
- 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 471 PB in the month of October, 2022
- Number of online transactions on portal has increased from 27,82,427 (April-2019), 36,53,078 (April-2020) and maintained at 37,68,100 in the month of October, 2022.
- For upgrading of Old legacy wireline exchange, out of planned 4.76 M capacity NGN Port migration, 0.0105 M capacity is migrated in October, 2022 (cumulative 4.083 M migrated).

2. TELECOMMUNICATIONS CONSULTANTS INDIA LIMITED (TCIL)

- Provisional Operating Turnover upto September, 2022 for the Financial Year 2022-23 is **Rs. 964.03 Crores** against Rs. 684.10 Crores for Financial Year 2021-22 in the comparing period.
- TCIL have secured orders for a total of approximately **Rs. 71.00 Crores** from foreign & inland clients in the month of October, 2022.

3. INDIAN TELEPHONE INDUSTRY (ITI):

The performance of the Company in the month of October 2022 is ₹ 35.62 Crores (provisional). The turnover is mainly constituted from SMPS, Mini PC, OFC, 3D Printing, Solar Panel, Contract manufacturing, SNVM, SNDM, Mini PDO, Banking products, IAF: 3G to 4G Upgradation, Execution of NFS project, AMC for MLLN, NGN equipment, GSM-SZ, Business from Data Centre, Services from Test labs, Reliability lab, Start-up Hub, E-Seva, VSSC Business, SaaS, show room sales, Third party Audit services and business generated by Corporate MSPs etc.

ITI Limited, Palakkad Plant has been appreciated by ISRO for realizing the flight packages with respect to launch of LVM3 M2/OneWeb India-1 Mission in a time bound manner meeting all Vikram Sarabhai Space Centre (VSSC) quality norms. The launch of LVM3 M2/OneWeb India-1 Mission was successfully accomplished on October 23, 2022. Lift off happened at 00.07.40 and all 36 satellites were placed into their intended orbits precisely.

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 31.10.2022 is as follows:

| | |
|---------------------------------------------|------------------|
| Optical Fiber Cable laid | : 6,00,898 KMs |
| GPs connected by Optical Fibre Cable (OFC): | 1,90,364 (GPs) |
| Total GPs Service Ready (OFC + Satellite) | : 1,82,131 (GPs) |

Under the BharatNet revised strategy approved by Cabinet on 19.07.2017, Last Mile Connectivity (LMC), with Viability Gap Funding (VGF) support from USOF, is to be provided in all GPs by installing Wi-Fi or any other broadband technologies. For this purpose, funds to the tune of Rs. 4066 Crore [Rs 1.6 lakh per GP] were approved by the Cabinet. The provisioning of Wi-Fi Services in about 1.10 lakh GPs of Phase-I was assigned to CSC e-Governance Services India Limited (a Special Purpose Vehicle under Ministry of Electronics & Information Technology), and in about 10,000 GPs to Government of Rajasthan/Raj COMP Info Services Ltd. (RISL), etc. Out of around 1.10 lakh GPs assigned to CSC e-Governance Services Limited (CSC-SPV) for providing Wi-Fi services across India, work of providing FTTH connections to 5 Government Institutions in 77,000 (approx.) GPs was also assigned, to be provided by CSC-SPV free for initial one year. 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. Interactions have been held BBNL/BSNL with the User Ministries/Departments interacted to seek the demand for high speed data connections for the institutions running in rural areas. Demand registration portal developed and shared with the Ministries/Departments <https://ruralfiber.bsnl.co.in>. Online portal has been developed to view the live network status upto GP level: <https://bharatnetlive.bbnlindia.in/UNMS/index.jsp>. BSNL on 30.05.2022 circulated a draft Agreement/Proposal to the User Ministries/Departments for providing FTTH at GP level in Government Institutions on BharatNet network.

The work of provisioning of Wi-Fi hotspots in about 5500 GPs of BharatNet Phase-II (being connected on satellite media), is also being implemented with funding from Universal Service Obligation Fund (USOF). For BharatNet Phase-II (being implemented on OFC/Radio), the respective Implementing Agencies are responsible for the utilisation of the created network.

Wi-Fi hotspots have been installed at 1,04,664 GPs and 1,07,447 FTTH connection are installed by BSNL, CSC-SPV & others ISPs. Overall data usage on BharatNet is about 1,921 TB for the month of October, 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). The estimated maximum Viability Gap Funding (VGF) approved for the above PPP model is Rs. 19,041 crores and the targeted date for completion of the project fixed was August, 2023. The Cabinet also accorded in-principle approval for extending broadband to all inhabited villages of the remaining States and Union Territories (UTs).

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. No bid was received to PPP Model on 27.01.2022. Revised RFP and timelines being worked out with alternative models. Project is likely 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 September, 2022 are as under-

| | |
|------------------------------------|-----------------|
| Total no. of wireline telephones | 26.43 million |
| Total no. of wireless telephones | 1145.34 million |
| Total no. of telephone connections | 1171.77 million |
| Overall tele-density | 84.85 % |
