

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

Sanchar Bhavan,
20, Ashoka Road, New Delhi-110001

Dated: 28.01.2022

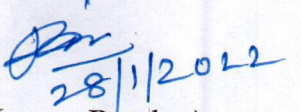
Subject:- Monthly Summary for the Cabinet on important events of the Department of Telecommunications for the month of December, 2021.

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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 December, 2021 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

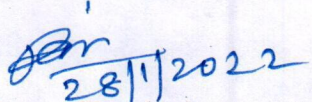
To

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 Kumar Pandey)

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 DEC, 2021

A. Important events in DoT HQ:

1. Monetization of land/building tower and fibre assets of BSNL and MTNL

The E-auction for monetization of 4 properties of BSNL and 2 properties of MTNL involving tentative market value of Rs. 961.30 Crores is underway. The transaction is likely to be completed by 31.03.2022. IPCs have been appointed by DIPAM for monetisation of 7 assets of BSNL and 1 asset of MTNL under Phase-II. The reports of IPCs yet to be received. Further, DoT has been assigned target of Rs. 18976 Crore under National Monetization Pipeline (NMP) involving Towers assets of BSNL and Fibre assets of BBNL.

2. Constitution of Technology Innovation Group on 6G (TIG-6G) and setting up of Task Forces under TIG-6G

DoT has constituted TIG-6G comprising of Government, academia, research institutions and industry on 01.11.2021. The TIG-6G had its first meeting on 25.11.2021. Subsequently, DoT has constituted 6 Task Forces on 30.12.2021 namely on (i) Multi-Platform Next Generation Networks (ii) Spectrum Policy (iii) Multi-disciplinary Innovative Solutions (iv) Devices (v) International Standards Contribution & (vi) Financial Research & Development. The Task Force are to submit their inputs on topics like 'Mapping global 6G activities and capability definitions', 'White Paper on India's Competencies (Industry, Research Labs, Academia) and potential Pre-standardisation Activities' and 'White Paper on "Mission 6G Program" Vision, Mission, Objectives and Structure' for TIG-6G. **6G rollout is expected by 2030 and this initiative is to build a strong Indian IP and manufacturing base before the global standards are finalised.**

3. Actions taken by DoT during Cyclone 'Jawad'

Approx. 6.5 Cr targeted (area specific) SMS alerts were disseminated by TSPs through Common Alert Protocol (CAP) platform by State of AP, Odisha and West Bengal. This facilitated State Governments to efficiently disseminate alerts messages to public well in time to reduce loss of lives/property and support rescue/relief efforts.

4. Incorporation of QR Code on License Certificates through SARAL SANCHAR Portal

QR Code has been incorporated in system generated Licenses through SARAL Sanchar Portal. Information such as License No., Validity, Name of Licensee etc. gets displayed on scanning the QR Code. This feature allows checking authenticity of paper license copy and shall increase the efficiency in validating the licenses required by Other Departments.

5. Consultation with Cellular Operators Associations of India (COAI) & its members on Strategy paper on IPRs

A meeting was held on 02.12.2021 with COAI and its members namely M/s Nokia, Ericsson, Qualcomm, Cisco, Ribbon Com Ciena, Bharti Airtel, Reliance Jio to frame strategy paper on IPRs.

6. Consultation for development of Open Radio Access Network (RAN) ecosystem

A meeting with Open RAN Vendors was held on 13.12.2021 to facilitate development of Open RAN ecosystem. The meeting was attended by Indian Open RAN Vendors such as VVDN and MNCs. Open RAN is expected to enable Indian telecom manufacturers in getting into 5G supply of equipment, besides addressing issues of security of the network.

7. Facilitation for Small Cell development for 5G roll out- Consultations with Kerala State Electricity Board (KSEB), COAI and Digital Infrastructure Providers Association (DIPA)

For facilitation of Small Cell telecom infrastructure, essential for roll out of 5G Services, a meeting was held on 14.12.2021 with KSEB, COAI & DIPA. A committee has been constituted in this regard which is to submit its recommendation on 5G Small Cells and to prepare a template for replication in the Country.

8. Inter-Ministerial Meeting on 5G Applications/Use case Labs

Department of Telecommunications (DoT) has set up an Inter-Ministerial Committee to initiate actions on Applications and Use case labs with Members from DoT HQ, Telecom Engineering Centre (TEC), National Telecommunication Institute for Policy Research, Innovation & Training (NTIPRIT), Centre for Development of Telematics (C-DoT), Telecommunications Standards Development Society, India (TSDSI), COAI, MeitY, Department of Science & Technology (DST), M/o Housing & Urban Affairs, M/o Health & Family Welfare, M/o Education, M/o Power, M/o Agriculture & Farmer Welfare. First Inter-Ministerial meeting was held on 23.12.2021. As a way forward, **White paper on 5G use case** is being prepared for circulation of different Inter-Ministerial members as a framework helping in setting up of 5G use cases in vertical Ministries. **The focus would be on PM Gati Shakti applications.**

9. World Telecommunications Policy Forum (WTPF-21):

Secretary, Telecom, participated on behalf of India and addressed the 6th World Telecommunication/ICT Policy Forum (WTPF-21) virtually on 16.12.2021.

10. Bilateral meeting with Vietnam

A bilateral meeting was held between India and Vietnam on 17.12.2021 at Sanchar Bhawan. The Indian delegation was led by Minister of State for Communications, Shri Devusinh Chauhan and the Vietnamese delegation was led by Mr. Nguyen Manh Hung, Minister of Information and Communications. During bilateral meeting, a Letter of Intent (LoI) was signed.

11. Achievements of Telecommunications Engineering Centre

(i) Type Approval Certificate for indigenously developed HFCL Make Wi-Fi Access Point:: Regional TEC (Northern Region) Delhi, comprehensively tested **indigenously developed HFCL Make Wi-Fi Access point (Model no- ion4e)** and after evaluation, Type Approval Certificate is granted. This product is manufactured in India and a step in the direction of *Atma Nirbhar Bharat*.

(ii) **Certificate of Approval (CoA) for Free Space Optical Communication (FSOC) product TARA model** ::Regional TEC (Southern Region), Bengaluru tested and evaluated Certificate of Approval (CoA) case of Free Space Optical Communication (FSOC) product TARA model manufactured by Google LLC, CA, USA. It uses free space optical communication (FSOC) line of sight technology to transmit wirelessly video, voice and data at high speeds upto 20 Gbps without using Optical Fibre.

(iii) **New Standard on XGS-PON mini OLT system (TEC 71100:2021)** ::Responding to industry requirement, TEC formulated new standard on XGS-PON mini OLT system in consultation with manufacturers and service providers. New Standard lays out specifications for Pizza box XGS-PON system (called XGS-PON mini-OLT system), which is specifically suitable for deployment in areas having less users but high demand like high density multi dwelling premises, high rise buildings, campuses, institutions, hotels and commercial complexes.

B. PERFORMANCE OF PSUs OF DOT

1. BHARAT SANCHAR NIGAM LTD. (BSNL)

- a. Gross SIM sale for the month: 23,54,467.
- b. Gross Bharat Fiber (FTTH) Achievement: 1,00,134 connections.
- c. 3. Gross new leased Circuits: 2,224 and upgradation: 1,344. Total provisioning including upgradation: 3,568.
- d. Gross Bharat Air Fiber Achievement (Data): 2,625.
- e. Gross Landline Achievement: 17,515 connections.
- f. Gross ADSL Broadband Achievement: 4,473 connections.
- g. 60 GB of Caching links have been added (cumulatively 1557 GB links in current FY 2021-22) making the cumulative capacity of 2950 GB Caching and 2484.05 GB Peering link capacity.
- h. MNP Ratio (Po/Pi): 0.60 {Port In = 446443, Port out = 265700}
- i. Total 2G BTS added during the month of November, 2021: 5 (Redep-5).
- j. Total 3G Node-Bs added during the month of November, 2021: 7 (Redep-7).
- k. The data traffic from Wi-Fi has increased from 492.31 TB (Apr-2021) to 577.42 TB for December 2021.

- l. 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 355 PB in the month of December, 2021.
- m. 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) to 38,25,326 in the month of December, 2021.
- n. For upgrading of Old legacy wireline exchange, out of planned 4.76 M capacity NGN Port migration, 0.01502 M capacity is migrated in December, 2021 (cumulative 3.90 M migrated).

2. TELECOMMUNICATIONS CONSULTANTS INDIA LIMITED (TCIL)

- Provisional Operating Turnover upto November 2021 for the Financial Year 2021-22 is **Rs. 919.32 Crores**.
- TCIL have secured orders for a total of approximately **Rs. 174.04 Crores** from foreign & inland clients in the month of December 2021.

3. INDIAN TELEPHONE INDUSTRY (ITI):

The performance of the Company in the month of December 2021 is ₹ 88.09 Crore (provisional). The cumulative performance for the FY 2021-22 is ₹ 877.03 Crore (provisional). The turnover is mainly constituted from HDPE manufacturing, OFC manufacturing, SMPS, Solar Panel Manufacturing, Solar street lights, Mini PC, Mini PDO, telephones, Smart cards, 3D Printing, Airtel FTTH Rollout, Execution of ASCON PH-IV, Gujnet, NFS projects, AMC for ASCON, Defence Equipment, NGN equipment, OCB, GSM-SZ & MLLN, 3D Printing, Business from Data Centre, Upgradation of Data Centre for Indian Air Force, Services from Test labs, Reliability lab, Start-up Hub, VSSC Business, SaaS, skill development, Third Party Audit Services (TPA) for implementation of Bharatnet Phase II project in the states of Odisha, Jharkhand and various other states, 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 27.12.2021 is as follows:

Optical Fiber Cable laid	:	5,60,199 KMs
GPs connected by Optical Fibre Cable (OFC)	:	1,77,791
Total GPs Service Ready (OFC + Satellite)	:	1,68,570 (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 1,04,257 GPs and out of them, services are being provided at 53,913GPs, catering to more than 16,25,499 subscribers. Overall data usage on BharatNet is about 4,929 (TB) for the month of November, 2021.

(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 is August, 2023. The Cabinet has 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) has been floated on 20.07.2021 through global bidding for selection of the Private Sector Partner(s) and two pre-bid meetings have been held.

(D) TELECOM SECTOR KPIS:

The details regarding number of telephones and tele-density in the country at the end of October, 2021 are as under-

Total no. of wireline telephones	23.52 million
Total no. of wireless telephones	1167.49 million
Total no. of telephone connections	1191.03 million
Overall tele-density	86.89%
