I/3082265/2023

No. 18-3/2023-O&M
Government of India
Ministry of Communications
Department of Telecommunications
***

Sanchar Bhavan, 20, Ashoka Road,
New Delhi-110001
Dated : 31-01-2023

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

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  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 DECEMBER, 2022

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

1.   Inter-Ministerial Committee (IMC) Report on Quantum Communication Technologies:

The draft report on Roadmap for Quantum Communication Technologies has been prepared. It discusses on aspects such as building synergies across institutions, Identification of Use cases & applications, facilitation of IPR creation in India, participation in Standards development activities at global level, Policy measures to enable Pilots & their production and deployment. The Draft Report will be taken up for further consideration and follow-up action.

2.   **International Relations**:

   A. **Meeting between UK and India**: A meeting between Indian Delegation and UK delegation led by Ms. Sarah Fallon, Regional Director, Science and Innovation, British High Commission, New Delhi was held virtually on 6th Dec, 2022 to discuss telecom critical supply chain risks. During the meeting, discussions were held on Trusted supply chain issues, Indian Telecom Security Assurance Requirements, telecom equipment security etc.
   B. **Meeting between India and Sweden**: A meeting between Indian Delegation led by Sh. Ashwini Vaishnaw, Hon'ble MOC, India and Swedish delegation led by Mr. Johan Forsseell, Minister for International Development cooperation and Foreign Trade, Sweden was held in New Delhi on 08.12.2022. During the meeting discussions were held regarding digital public infrastructure, tech-enabled development in multiple areas., Start-up ecosystem, etc.
   C. **India- South Korea Joint Working Group Meeting:** The first meeting of Joint Working Group (JWG) between India and South Korea on Cooperation in the field of Telecommunications / ICTs was held in virtual mode on 15th December, 2022. The South Korean side was represented Mr. Kim Seong Gyu, Director General of International Cooperation Bureau, Ministry of Science and ICT. During the meeting, discussions were held on cooperation in following areas 5G, digital transformation, AI, Nurturing Human Resources in ICT field, Digital Technology to Respond to Climate Change and EMF Norms, etc.
   D. **46th Session of the Management Committee of APT (Asia-Pacific Tele community):** Indian delegation participated in 46th Session of the Management Committee of APT during 12-16 December 2022.The meeting reviewed the activities of 2022, and considered and approved the Work Programme and Annual Budget for 2023 for APT.
   E. **Meeting between India and US:** A bilateral meeting between Indian delegation and the US delegation led by Mr. Philip Cumming, Deputy Minister Counsellor, Economic Affairs, U.S. Embassy was held on 23rd December,

2022. During the meeting, discussions were held regarding creating ORAN testing facility in India, 6G, Standardization, Digital Economy Working Group of G20 etc.

3. Telecom Engineering Centre (TEC):

Continuing its pioneering work in developing standards for the Indian telecom sector, a technical paper on Unmanned Arial Vehicle and Standardization has been prepared.

4. PLI Scheme:

(A) A Roundtable Conference was held on 03.12.2022 at New Delhi under the Chairmanship of Hon'ble Minister of Communications with all the PLI Beneficiaries to review their progress, understand various issues being faced by them at different levels and the assistance required from DoT in resolving them. Apart from the PLI beneficiaries, the conference was attended by representatives from Telecom Service Providers, Internet Service Providers, Associations, NITI Aayog, Customs, MeitY, Invest India, TSSC, ESSC. As per the decision of the roundtable, following 4 Task forces were constituted on 20.12.2022: -

- Task Force for High Volume Telecom Chipset Development
- Task Force on Efficient Customs & Logistics Solutions for ICT manufacturing
- Task Force for Building a Resilient component ecosystem for Telecom & Electronics manufacturing (global supply of Chipset and development in India)
- Task Force for New Opportunities in Telecom Equipment.

(B) The PLI scheme for Telecom and Networking Products is effective from 1st April 2021. The summary of the cumulative investment, sales and employment as on 30.11.22 is as follows:

- **Cumulative Investment:** Rs. 919 Cr.
- **Cumulative Sales:** Rs. 10,296 Cr.
- **Employment:** 10565 Nos.

5. Status of PM-WANI Scheme

- As on 31.12.2022, total number of Wi-Fi Hotspots under PM WANI- 1,36,918
- No. of PM WANI Hotspots added in the month of December 2022- 435

6. 5G Rollout:

a. Working Committee formation done in 23 states for 5G rollout.
b. Capacity building Conference for 5G use cases - Held in 7 States/UTs of Manipur, West Bengal, Haryana, Chandigarh UT, Andhra Pradesh, Jharkhand, NCT of Delhi.

7. PM Gati Shakti NMP

a. DoT has come out with **"Call Before u Dig" (CBuD) Mobile App** to facilitate smooth coordination between **excavating agencies** and underground utility

asset owners to save utilities from damages. CBuD will provide an interface to excavating agencies to inform to utility asset owners about proposed upcoming excavation activities to protect existing underlying utility assets like Optical Fibre Cables, Water Pipelines, Electric Cables, Gas Pipelines etc. from damage. It will be implemented in phases.

    i. **Phase-I** (6th October 2022 to 1st week of December): CBuD app was made operational on Android, as pilot, in the states of Gujrat and UT of Dadra and Nagar Haveli, with basic features of exchanging the contact details of the utility asset owners with excavators. Asset owners created by Gujrat & DNH are 122 and 25 respectively and 47 enquires were registered.

    ii. **Phase-II** (From 1st week of December onwards): It is to be extended to all States/ UTs' The target to complete onboarding of Asses Owners by 31st December 2022. iOS version of app is also to be launched.

    iii. **Phase-III:** Additional features will be incorporated viz. a computer console using the CBuD platform to be enabled in respective State Control Rooms of the Asset Owners enabling supervision over prompt response by local officers of the Asset owner.

    iv. A Nation wide launch by Hon PM is proposed by March 2022.

b. Other items of progress under Gati Shakti NMP:

    i. Mapping - OFC Network of approx 10.94 Lakh Route Km of PSUs (BSNL, BBNL, RAILTEL, GAIL) mapped. State PSUs OFC collected from Telangana and mapped. Latest data of BBNL mapped.

    ii. Latest data of 7.3 lakh mobile towers & 23.5 lakh BTS mapped on NMP platform.

    iii. Latest data of Dec'22 of nearly 1 lakh PM-WANI WiFi hotspots collected from CDoT and mapped.

    iv. Following is the progress on NBM targets of Fiberization:

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 30-09-2022
No. of mobile towers	7,23,298 on 30-06-2022	7,40,547 on 31-12-2022

    v. State NMP platform layers of 34 states integrated with DoT instance of NMP platform. Each of these state integration has brought in multiple layers like land revenue records, street furniture etc. which will facilitate telecom projects in general & 5G rollout in particular. These layers are updated regularly.

    vi. Data validation module developed by BISAG & undergoing UAT by DoT.

    vii. Pune, Manesar & Ernakulam identified by DPIIT under Area Approch for further development where 25 companies under DoT PLI (performance linked incentive) schemes are located.

    viii. Telecom connectivity for 235 Eklavya model schools under Ministry of Tribal affairs analysed.

8.   **National Broadband Mission: -** 460 Right-Of-Way (RoW) applications (Tower-332, OFC-138) approved in the Month of Dec-2022. Cumulative 25,921

approvals since launch.

9.   **Social media activities** undertaken during December, 2022:

Twitter:

- Total No. of Tweets: 2474
- Total Replies: 2240
- Earned- Re-tweets & Likes: 8615 & 735
- Earned Impressions: 191.9 K
- People Visits: 6650
- New Followers: 30
- Total Followers: 184.1 K

Koo:

- Total No. of Posts: 30
- New Followers: 149
- Total Followers: 17,309

Facebook:

- Total No. of Posts: 40
- Earned Shares: 74
- Page Likes (New): 328
- Reach: 21,676
- Post Engagements: 1343
- Video Views: 0
- New Followers: 526
- Total Followers: 34,769

YouTube:

- Total No. of Video Posts: 0
- Video Views: 6157
- Watch Time (Hrs): 214 Hours
- New Subscribers: 30
- Total Subscribers: 1,440

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10.   Participation in The Exhibition at Vigyan Bhawan on Special Campaign 2.0 and relevant 'Best Practices': - DoT put up a Stall at Vigyan Bhawan to showcase 'Best practices' under the aegis of the recent Special Campaign 2.0. Hon'ble MoS (PP) Dr. Jitendra Singh visited the exhibition on 19.12.2022 and complimented the Department's stall. Cabinet Secretary also graced the exhibition on 23.12.2022 as part of the Governance Week Celebration held on the occasion.

B.   PERFORMANCE OF PSUs OF DOT

1. **BHARAT SANCHAR NIGAM LTD. (BSNL)**
   a. Gross SIM sale for the month: 12,39,491.

b. Gross Bharat Fiber (FTTH) Achievement: 1,55,686 connections.

c. 57,536 rural FTTH connections have been provided on BharatNet infra under special pilot project through BharatNet Udyami in the 60 days scheme period with target of 40,000 connections

d. Gross new leased Circuits: 3505 and upgradation: 1709. Total provisioning including upgradation: 5214.

e. Gross Bharat Air Fiber Achievement (Data): 1,718.

f. Gross Landline Achievement: 11,276 connections.

g. Gross ADSL Broadband Achievement: 2,298 connections.

h. 240 Gbps of Caching links and 40 Gbps of peering links have been added (cumulatively 1040 Gbps links in current FY 2022-23) making the cumulative capacity of 3940 Gbps Caching and 2854.05 Gbps Peering link capacity.

i. MNP Ratio (Po/Pi): 4.62 {Port In = 119312, Port out = 551394}

j. 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 511 PB in the month of December, 2022

k. Number of online transactions on portal has increased from 27,82,427 (April-2019) & 36,53,078 (April-2020) and maintained at 38,13,654 in the month of December, 2022.

l. For upgrading of Old legacy wireline exchange, all the exchanges have been migrated to NGN in BSNL.

m. In order to promote FTTH in Rural areas, introduction of Bharat Fibre Broadband plan HOME WIFI/GHAR KA WIFI @ Rs. 399/- for individual category customers only in Rural areas of all the circles.

n. CAMEL International Roaming service has been commercially launched in Nigeria with GLo Mobile (outbound).

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

- Provisional Operating Turnover upto November, 2022 for the Financial Year 2022-23 is **Rs. 1255.11 Crores** against Rs. 920.43 Crores for Financial Year 2021-22 in the comparing period.

- TCIL have secured orders for a total of approximately **Rs. 45.51 Crores** from foreign & inland clients in the month of December, 2022

3. **INDIAN TELEPHONE INDUSTRY (ITI)**:The performance of the Company in the month of December 2022 is ₹162.47 Crores (provisional). The turnover is mainly constituted from supply of Mini PC, Laptops, OFC, HDPE, 3D Printing, Contract manufacturing, Water Pipes, SNVM, SNDM, Banking products, Solar street light, Smart Cards, IAF: 3G to 4G Upgradation, Execution of ASCON Ph-IV, TANFINER, Mahanet, Airtel FTTH/NDN Rollout, AMC for NGN equipment, GSM-SZ, Defence equipment, SMPS, ASCON, Gujnet O&M, Business from Data Centre, Services from Test labs, Reliability lab, Start-up Hub, E-Seva, VSSC Business, SaaS, show room sales, skill development, Third party Audit services and business generated by Corporate MSPs 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 02.01.2023 is as follows:

Optical Fiber Cable laid	: 6,11,036 KMs
GPs connected by Optical Fibre Cable (OFC)	: 1,93,018 (GPs)
Total GPs Service Ready (OFC + Satellite)	: 1,87,096 (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 by 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 2,07,222 FTTH connection are installed by BSNL, CSC-SPV & others ISPs. Overall data usage on BharatNet is about 3,824 TB for the month of November, 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 biding 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 November, 2022 are as under-

Total no. of Landline Connections	27.09 Million
Total no. of Mobile Connections	1143.01 Million
Total no. of Connections	1170.10 Million
Tele-density	84.60 %

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