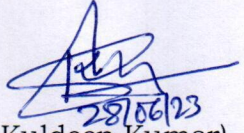**Subject: Monthly Summary for the Cabinet on important events of the Department of Telecommunications for the month of May, 2023.**

   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, 2023 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 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)/ Sr. Eco. Adv./ WA, WPC

9.   Additional Director General, PIB, Shastri Bhavan, New Delhi-110001.

10. Director General (Media & Communications), Ministry of Information & Broadcasting, Shastri Bhavan, 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 MAY, 2023

A.   Important events in DoT HQ for the Month of May, 2023:

1.   National Technology Week

The National Technology Week was held from 11-14th May 2023 at Pragati Maidan, New Delhi. Hon'ble PM inaugurated the event on 11th May 2023. The overarching theme of the event was 'School to Start-ups'. Around 10 different Departments/Ministries jointly organized the event, with Department of Science & Technology (DST) being the Lead/Nodal Department. The DoT organized a session on 12th May 2023 in which 5 experts from the Industry/ Start-ups/ Academia spoke on various interesting topics including 5G Use case labs, Chipset coding using smart phones, 5G opensource Test Bed for students & start-ups, XR content creation program for young entrepreneurs and Central Equipment Identity register. Besides this, more than 50 beneficiaries (Start-ups/MSMEs) of DoT's DCIS Scheme put up their stalls from 11-14th May 2023 which showcased various emerging technologies including 5G Enabled Plug And Play Medoeye, customised solutions in the field of AUV and ROV operations, Cloud computing Infrastructure as a Service (IaaS), and Software as a Service (SaaS) etc.

2.   World Telecommunication Day (on 17.05.2023)

DoT celebrated World Telecom Day and 20th Year of USOF at an event organised at Dr. Ambedkar International Centre at Janpath, New Delhi.

Hon'ble Minister of State inaugurated an exhibition of more than 50 stalls showcasing innovations in Telecom. He launched the OPEN RAN Test Bed Project made by C-DOT. The top performing Udyamis (Grassroot level entrepreneurs) across different regions of the country were felicitated at the event for ensuring the last mile connectivity through FTTH connection under USOF. Contribution of outstanding DoT employees and Field Units for the year 2022-23 were also recognised. The Hon'ble MoS also unveiled a report on the "First International Quantum Communication Conclave".

The main technical and interactive sessions at the event were attended by over 1000 delegates across the country including stakeholders from Central as well as State Governments, Industry representatives, Start-ups/ Innovators and Academia. A State IT Secretaries Conference was also held on topical and relevant matters pertaining to augmenting the telecom infrastructure, improving quality of services, and ensuring ease of doing business for industry. Critical issues, challenges & how to address them and best practices were shared during the Conference.

The conference celebrated 20 years of Universal Service Obligation Fund's achievements in bridging the digital divide and ensuring last mile connectivity by launching 'USOF@20' stamp. 'USOF@India' book was also launched documenting the journey of USOF over the last two decades and the significant achievements logged especially over the last six years or so.

3. Digital Communication Innovation Square (DCIS)

Under Sub-Scheme "Setting up of Digital Communication Innovation Square" (DCIS) of Champion Services Sector Scheme, Rs. 19,56,40,000/- was released to the implementing agency Telecom Center For Excellence (TCOE) towards 1st tranche of grant to 66 beneficiaries selected for funding during FY 2023-24.

4. Meeting of Working Group for 3rd National Conference of Chief Secretaries

Two meetings of working group having members from the Government, industry and academia were organised on 22.05.2023 and 30.05.2023 as a precursor to NITI Aayog's 3rd National Conference of Chief Secretaries during October/November, 2023. The theme for the Conference is "Promoting Ease of Living". Department of Telecommunications (DoT) has been allotted with the theme "Digital Infra for Delivering Services" out of the seven key sub-themes allotted to various nodal Ministries/Departments. On the basis of outcome of meetings, concept note will be finalised for circulation to all States/ UTs.

5. International Relations & Events:

i. **ORAN Roundtable with US:** A G2G/G2B/B2B workshop to promote cooperation and adoption of Open RAN technologies, was held with US Delegation led by Dy. NSA, US on 01.05.2023. During the workshop, discussions were held regarding Open RAN and advanced telecom products in US TSPs networks. Airtel and VIL are advance stage to deploy US based Open RAN product. Airtel announced to deploy 2500 sites on Open RAN and scale the deployment to 10,000 site.

ii. **India- EU TTC Meeting:** DoT participated in the meeting of Working Group 1 of EU- India Trade and Technology Council held on 3rd May 2023. Discussions were held on enhancing cooperation between India and European Union on ICT Standardization and promotion of international standards in areas such as Machine-to-Machine communications, 5G/6G, Internet of Things etc.

iii. **Bilateral Meeting with US:** DoT participated in India-US JWG Joint Meeting as a part of MeitY delegation during 15-18th May 2023 held in Washington DC. During JWG, meetings were held on emerging telecom technologies like 5G, 6G, ORAN, etc.

iv. **Visit of Chad delegation:** A High level Chadian delegation led by H.E. Mr. Mahamat Allahou Taher, Hon'ble Minister of Telecommunications and Digital Economy, Chad visited India during 19-22 May 2023 to study Indian telecom technologies. During the Visit, the delegation held meeting with Hon'ble MoC and visited BSNL, Chandigarh to study indigenous 4G stack technology.

v. **US Lab Visit:** A team comprising of DOT/TEC, C-DOT, Industry (VVDN, WiSig) visited to various Open RAN Labs at USA between 22-26th May 2023. The visit was organized to develop potential collaboration with Open RAN test facilities in the USA and for joint R&D engagement with USA R&D institute/academia.

vi. **Meeting with Dy NSA Mr. Ann Neuberger, US** was held on 24th May 2023 to discuss about US- India collaboration in field of 5G/6G, ORAN and take forward the ongoing discussions.

vii. **India- United States high-level roundtable:** The India- United States high-level roundtable (virtual meeting) on "Advance Cooperation on Research and Development in 5G and 6G" was held on 1st June, 2023 to take forward the U.S.-India strategic technology partnership under India-U.S. initiative on Critical and Emerging Technology (iCET) announced by Hon'ble Prime Minister of India and H.E. President, USA. Ms. Anne Neuberger, Deputy Assistant to the President and Deputy National Security Advisor, Cyber & Emerging Tech, The White House, USA, led the USA side. As a key outcome of the roundtable, India and US proposed to form Joint Task force comprising of Government/ Industry/ Academia/ R&D Institutes on both sides for fostering the public-private collaboration and to strengthen Government-to-Government (G2G) and public-private cooperation in the R&D of emerging technologies including 5G Advanced and 6G.

6. Interaction with DPIIT on Draft IPR Strategy Paper

A presentation was made to DPIIT team by DoT on 16.05.2023 regarding issues faced by Indian Industry members while filing to grant of patents. The interaction also highlighted the SEPs (Standard Essential Patents) & SPF (Sovereign Patent Fund) issues along with other procedural reforms required for timely grant of patents. Further, a presentation was also been made on 25.05.2023 to Controller General of Patents, Designs & Trade Marks (CGPDTM) and his team to take forward the recommendations made in draft IPR Strategy Paper.

7. Status of implementation of 100 5G Use Case Labs:

As announced in the Budget for the FY 2023-24 regarding implementation of 100 5G Use Case Labs at Academic Institutions, TCIL has been selected as Implementation Agency for the same. Till now, TCIL has received 600+ applications from higher educational institutions. An Institute selection committee is constituted by TCIL which includes member from Department of Higher Education.

8. PLI Scheme:

The summary of the cumulative investment, sales and employment as on 30.04.2023 is as follows:
- Cumulative Investment: Rs. 1783 Cr.
- Total Sales: Rs. 21666 Cr.
- Total Exports: Rs. 6683 Cr.
- Total Employment: 16515 (in No.)

9. **5G rollout**

5G services have now been rolled with commissioning of 2.5 lakh Base Stations in 5600 towns in 706 districts of the country. This is one of the fastest rollouts of 5G in the world.

10. **Status of PM WANI Scheme:**

   a. Total number of WiFi Hotspots under PM WANI added in May, 2023 – 198
   b. PM WANI Hotspots as on 31.05.2023 – 148284

11. **PM Gati Shakti NMP**

The progress under Gati Shakti NMP is at **Annexure-A.**

12. **Social media activities** undertaken during May, 2023 are at **Annexure-B.**

B. **PERFORMANCE OF PSUs OF DOT**

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

   a. Gross SIM sale for the month: 10,56,116.
   b. Gross Bharat Fiber (FTTH) Achievement: 1,16,447 Nos.
   c. BSNL on-boarded total of 3,23,515 Rural FTTH connections on BharatNet infra under special project through BharatNet Udyami. Scheme as on 31.05.2023
   d. Gross new leased Circuits: 1721 and upgradation: 1012. Total provisioning including upgradation is 2733 in May-2023.
   e. Gross Bharat Air Fiber Achievement (Data): 1,226.
   f. Gross Landline Achievement: 7,241 connections.
   g. Gross ADSL Broadband Achievement: 4,734 connections.
   h. 40 Gbps of Caching links and 400 Gbps of peering links have been added (cumulatively 440 Gbps links in current FY 2023-24) making the cumulative capacity of 4450 Gbps Caching and 3254.05 Gbps Peering link capacity.
   i. MNP Ratio (Po/Pi): 6.17 {Port In = 92,515 Port out = 5,70,361}
   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) and 392.5 PB (April-2022) and 556 PB (April-2023) to 595 PB in the month of May, 2023
   k. 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) & 37,45,974 (April-2022) and 38,62,674 (April-2023) to 39,22,957 in the month of May, 2023.
   l. Introduced add-on-pack @ Rs.49/- per month per subscriber and Rs. 199/- per month per subscriber to offer OTT services to the BSNL's DSL/FTTH/Air Fibre Broadband customers in all telecom circles.

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

- Provisional Turnover upto April, 2023 for the Financial Year 2023-24 is **Rs. 205.71 Crores** against Rs. 90.12 Crores for Financial Year 2022-23 in the comparing period.
- TCIL have secured orders for a total of approximately **Rs. 322.32 Crores** from foreign & inland clients in the month of May, 2023.

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

The performance of the Company in the month of May 2023 is ₹ 49.55 Crores (provisional). The turnover is mainly constituted from supply of Mini PC/ IT products, OFC, HDPE, ONT-11, Smart Cards, Street lights, FDMS, Contract manufacturing, Water Pipes, Banking products, 3D Printing, Execution of ASCON Ph-IV, BSNL 4G PoC, Gujnet O&M, USOF, AMC for NGN equipment, Defence, GPoN, NFS, Business from Data Centre, Services from Test labs, Reliability lab, VSSC Business, SaaS, GSM show room sales, 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 05.06.2023 is as follows:

Optical Fiber Cable laid	: 6,37,003 KMs
GPs connected by Optical Fibre Cable (OFC)	: 1,88,398 (GPs)
Total GPs Service Ready (OFC + Satellite)	: 1,93,162 (GPs)

ii. **Extension of BharatNet connectivity upto villages:** Revised RFP and timelines for coverage of 6 lakh GPs and villages (including the 2.5 lakhs GPs already sanctioned) is being worked out with the target of completing the works by 2025.

D. **TELECOM SECTOR KPIs:**

The details regarding number of telephones and tele-density in the country at the end of April, 2023 are as under-

Total no. of Wireline Connections	29.34 Million
Total no. of Wireless Connections	1143.17 Million
Total no. of Connections	1172.51 Million
Tele-density	84.46 %

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DoT - PM GatiShakti NMP Portal:

a. **NBM targets**: Following is the progress on NBM targets of Fiberization:

OFC laid	36,30,088 kms on 31-12-2022	37,26,577 as on 31.03.2023
% of BTS fiberized	37.08% on 31-12-2022	38.44% on 30-04-2023
No. of mobile towers	7,50,152 on 02-03-2023	7,54,067 as on 31-05-2023

b. **Street furniture**: Mapping of street furniture:
  i. 24,62,050 electric poles of UPPCL(UP),
  ii. 4,01,355 electric poles of JBVNL(Jharkhand) & 245 government buildings of Jharkhand mapped on DoT NMP.
  iii. 595 bus terminals of Maharashtra
  iv. 3368 bus stops of MP
  v. 607618 electric poles of CSPDCL, Chhattisgarh

Social Media Activities Undertaken during May, 2023

Twitter:
- Total No. of Tweets: 2545
- Total Replies: 2428
- Earned- Re-tweets & Likes: 91 & 1678
- Earned Impressions: 183.1 K
- People Visits: 6501
- New Followers: 909
- Total Followers: 188.7 K

Facebook:
- Total No. of Posts: 12
- Earned Shares: 84
- Page Likes (New): 387
- Reach: 64745
- Post Engagements: 2889
- Video Views: 1
- New Followers: 1209
- Total Followers: 49 K

YouTube:
- Total No. of Video Posts: 03
- Video Views: 7721
- Watch Time (Hrs): 183.5 Hours
- New Subscribers: 360
- Total Subscribers: 2140

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