Ministry of Communication
Department of Telecommunications
Standards-R&D-Innovation Division
(*PMU- 100 5G Labs project*)
****

1405, Sanchar Bhavan, 20 Ashoka Road,

New Delhi-110001

No. 1-Role of LSAs(100 5G labs)/2024-SRI   **Dated: 15th Feb, 2024**

OFFICE MEMORANDUM

Sub: Role of DoT field units(LSAs) reg 100 5G Labs project & Beyond

Ref:

i. OM on Assignment of roles to LSA field Units No. 1-1/2020-DGT/1 dt 28.02.2020 reg engaging with DCT development ecosystem

ii. Meeting chaired by Member(T) & DG(Telecom) with LSA heads dt. 13.12.2023

iii. TSUM facilitation cell OM- No. 1_TSUM/2022-SRI dt. 19.08.2023 and Sanchar Mitra Scheme OM- No. MEDIA-SANCHAR SAATHIAWARENESS-2023 dt 27.12.2023

iv. DO letters by Member(T) to NTIPRIT for organizing workshops

v. DO letters by Member(T) to TSPs/OEMs for adaption of 5G Lab institutions

1. **Background**: *Hon'ble Prime Minister*, during the inaugural ceremony of Indian Mobile Congress on October 27, 2023, awarded 100 "5G Use Case Labs" to educational institutions across the countries with an objective to build competencies and engagement in 5G technologies for students & start-up communities. Setting up of labs is an endeavour to realise the opportunities associated with 5G technology and to facilitate the development of applications using 5G services in various socio-economic verticals.

2. SRI Division, DoT-HQ has been designated as Project Management Unit (PMU) and TCIL as the Implementing Agency (IA). TCIL has awarded the supply and installation work to indigenous vendors through a competitive bidding process. Efforts are underway to operationalise the Labs by March 2024. In addition, Zonal/State- Level 5G workshops are also being organised to facilitate capacity building.

3. All the 100+ Labs/institutions are connected through a dedicated portal (https://bharat5glabs.gov.in/), The portal also acts as a knowledge dissemination platform for institutions/students/start-ups. Bharat 5G Labs platform is envisaged to be a one-stop solution for all the 5G/6G/IPR/ Quantum-related works capturing academic R&D developments/Standards

Industry ecosystem etc. It also hosts experts registration, 6G R&D proposals, IPR facilitation, PoCs/Pilots etc.

4. In this regard, the undersigned has been directed to intimate that roles & responsibilities of DoT Field units(LSAs) have been identified reg 100 5G Labs & Beyond and the same has been attached as Annexure-I.

5. DDGs(Technologies) from each LSAs shall be the focal point to carry out the activities (Annexure-I). DDG (Technology), DGT HQ shall be nodal officer for overall co-ordination with LSAs and S-R-I, Division DoT HQ [as per OM dt 28.02.2020- under reference]

6. Further, the DoT fields units (Annexure-II) are hereby requested to take necessary action at their end for fulfilling the roles and responsibilities assigned to them.

 This is issued with the approval of Member(Technology) & DG(Telecom)

Encl: As Above

(A. Alex Vikas)
Mission Co-ordinator(TSUM)/ Asst. Director General(SRI)
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To:

1. All Heads of LSAs, DoT.

2. DDGs(Technology) of All LSAs, DoT.

Copy to:

1. PSO to Secretary(Telecom) & Chairman DCC- for information please

2. Member(Finance)Member(Technology)/Member(Services)- for information please.

3. DG (Telecom)/DG(NTIPRIT)/DG(NICF)/CGCA

4. Sr.DDG(TEC) for information please

5. Wireless Advisor, WPC/ Director WMO/ JWAs of respective RLOs

6. CMD (TCIL) for needful support to LSAs

7. DDG(Technology), DGT HQ for needful co-ordination & uploadin

8. DDG (Administration & HR), DGT HQ

9. DDG(Media) for information please.

10. DoT Nodal for uploading OM in the DoT website

Annexure-I

S.No	Activity	Role of LSA
1	Agreement with Institutions (by TCIL)	Facilitation.
2	Installation/Commissioning – 100 5G Labs	Facilitation, due observation and necessary intervention.
3	User Acceptance Testing – 1005G Labs	Part of testing team
4	Hackathon (LSA Wise/State Wise)- 100 5G Labs	Coordination with stakeholders and extending necessary support including publicity & logistics
5	Workshops/Trainings for Institutions- 100 5G Labs	Organizing the workshops at LSA/State level and coordination with NTIPRIT for zonal level workshops including logistics support
6	Capacity Building sessions for LSAs by SRI	Proactive participation
7	Mentoring/Adoption of Institutes by OEMs/TSPs/CoEs	Coordinate with Institution, TCOE and OEMs/TSPs/CoEs
8	ITU Academia Membership	Encouraging India's academia membership in ITU
9	Sanchar Mitra Scheme/Sanchar Saathi volunteers	i. Selection of students in Co-ordination with Institutions. ii. Guidance for activities of Sanchar Mitra volunteers in co-ordination with Institutions, LEAs, State-gov departments etc.
10	SPoC for Institutions	Updating the List of Nodal officers
11	Updating the repositories in Bharat5G/6G portal	Co-ordination and validating/ updating repositories wherever required like- i. R&D activities, Projects, Infra, thesis/abstract from Academia ii. Use cases, products from Start-ups/MSMEs iii. IPRs and standardization from Academia/Start-ups/MSME iv. Schemes/Programs from State Agencies, Incubation Centres/ Centre of Excellence.
12.	Telecom Start-ups & MSMEs	i. State/LSA level TSUM facilitation

	(TSUM) Facilitation Cell (State gov departments, customs etc.)	cell in co-ordination with DoT HQ for IPR facilitation, PoC testing & certification, establishing sandbox environments, etc. ii. Creating awareness regarding DoT initiatives/funding Schemes/ Programs- TTDF, DCIS, 5G Hackathons, 100 5G labs, 6G R&D proposals, Experts registration etc. iii. Periodic meetings with representatives of state government, State-PSUs, VCs and other key bodies.
13.	Support for 5G/4G/IoT Projects (including CNPN)	Co-ordination for the following i. Rural zones- 5G Model Village etc. ii. Urban/Industrial zones- CNPN networks (Power, Mining, Ports & Airports, Factories etc.)
14.	5G Test Beds Utilisation	Facilitation & awareness for utilization of 5G test beds (https://user.cewit.org.in/5gtb/index.jsp) at CEWIT/IITM / IISC/IITD/ IITK.
15.	Monthly Report	Periodic submission of progress cum action taken reports through portal

In order to perform the aforementioned activities in an effective way, LSAs are encouraged to co-ordinate with CCAs/RLOs/WMOs.

Annexure-II

100 5G Lab Institutions mapped to LSA units			
S.No	LSA (Focal Point)	Mapped States	No. of Institutions
1	Andhra Pradesh LSA	Andhra Pradesh,Telangana	8
2	Assam LSA	Assam	2
3	Bihar LSA	Jharkhand,Bihar	6
4	Delhi LSA	Delhi	4
5	Gujarat LSA	Gujarat	3
6	Himachal Pradesh LSA	Himachal Pradesh	2
7	Haryana LSA	Haryana	2
8	Jammu and Kashmir LSA	Jammu and Kashmir	2
9	Karnataka LSA	Karnataka	8
10	Kerala LSA	Kerala	4
11	Kolkata LSA	Sikkim	1
12	West Bengal LSA	West Bengal	2
13	Madhya Pradesh LSA	Madhya Pradesh,Chattishgarh	6
14	Mumbai LSA	Goa	2
15	Maharashtra LSA	Maharashtra	7
16	North East LSA	Mizoram, Nagaland,Arunachal Pradesh,Manipur,Meghalaya,Tripura	8
17	Odisha LSA	Odisha	4
18	Punjab LSA	Punjab,Chandigarh	6
19	Rajasthan LSA	Rajasthan	5
20	Tamil Nadu LSA	Tamil Nadu,Puducherry	9
21	Uttar Pradesh-East LSA	Uttar Pradesh (East)	4
22	Uttar Pradesh-West LSA	Uttarakhand, Uttar Pradesh(west)	5
		Total Institutions	**100**

100 Institutions list can be accessed at https://www.bharat5glabs.gov.in/institutes