

**Your Ref: No.19/2023, dated 22<sup>nd</sup> Sep 2023**

**SUB:** CC on Consultation Paper (CP) on Encouraging R&D in Telecom, Broadcasting, and IT (ICT) Sectors

(Through Email: [advisorit@traf.gov.in](mailto:advisorit@traf.gov.in), [ja.gos1@traf.gov.in](mailto:ja.gos1@traf.gov.in))

Respected Authorities,

It is happy to see this consultation paper.

It is un-happy to see very few (about 16) responses.

Development of any technology/product/system is a combine result of research in multiple streams. R&D depends on the scale of collaboration among all such streams. So, focus on over all R&D of all the streams in the Nation, that leads better results in every sector. Every nation needs Research Network among all the streams and all such networks are to be collaborated for yielding good for the society.

Individual departments (example: telecom, electronics, etc.) need to connect with such Research Network/s to get actual developmental results for their department.

Very few (seems only 3) researchers responded on this CP, among them one is Indian other two seems from outside. (Tried to review IIT Madras Research Park's inputs, after clicking on Download, against last column of sl. No.7, getting again the CP document instead of their inputs, please check and correct the link document).

In Nation there are hundreds of universities, it is expected at least few universities might have to respond on this CP.

Even now, it is advised to invite all Universities (who have research facility) for a workshop related to this CP, before going forward and consider their inputs also.

R&D might not be dealt by individual departments. Individual departments need to collaborate with the research network/s to yield their goals. Some times needs to encourage "targeted research" for yielding outcome with in the fixed time frames.

It is observed that many of Telecom training centres (which were under control of BSNL/MTNL) were closed in the Nation. All such centres are to be converted as "Research Centres". Such set-ups are not be dealt as real-estate assets.

Research is a continuous activity, so there should be dedicated teams to manage. If a researcher done 45% of work on any particular thing, there should be other researchers available to complete balance 55% of that research work. Get the statistics of dedicated researchers in each stream and analyse to take necessary steps to fill the gaps.

TRAI has regional units, so on release of every CP, try to release a brief in all local languages from respected TRAI units. Even DOT has offices in every state, so they may try to connect with all the research networks in their area and needs to identify gaps for taking necessary action.

Bharat (India) can not be compared with any nation. Bharat is Unique. Have a comprehensive R&D plan of all streams for yielding better results within these three segments as mentioned in the CP.

With best Wishes

Vas KSS