



भारतीय दूरसंचार विनियामक प्राधिकरण
TELECOM REGULATORY AUTHORITY OF INDIA
REGIONAL OFFICE HYDERABAD

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Lr. No.TRAI/RO/Hyd/Workshop-Corres/HD/2025-26/

Date:09/06/2026

To
Principal Advisor (CA & QoS)
Telecom Regulatory Authority of India
4th, 5th, 6th & 7th Floor, Tower-F
World Trade Centre, Nauroji Nagar
New Delhi: 110029.

Sir,

Sub: Report of Workshop on "Rating of Buildings for Digital Connectivity" held at Secretariat, Velagapudi Amaravathi Andhra Pradesh – Reg.

TRAI Organizes Workshop on "Rating of Buildings for Digital Connectivity" at Secretariat, Velagapudi, Andhra Pradesh. The Telecom Regulatory Authority of India (TRAI), Regional Office, Hyderabad, organized a Workshop on "Rating of Buildings for Digital Connectivity" at the Secretariat, Velagapudi, Amaravati, Andhra Pradesh, on 04 June 2026. The workshop brought together senior officials from the Government of Andhra Pradesh, representatives from the telecom industry, infrastructure providers, architects, real estate stakeholders, and other key participants to promote awareness on enhancing digital connectivity within buildings.

The workshop was organized to create awareness about TRAI's "Rating of Properties for Digital Connectivity Regulations, 2024", a landmark initiative aimed at improving in-building digital connectivity across residential, commercial, institutional, and public buildings. The regulations introduce a 1 to 5 Star Digital Connectivity Rating System to encourage the integration of telecom infrastructure during the planning and construction stages of buildings, thereby ensuring superior indoor mobile coverage and an enhanced consumer experience.

The programme was inaugurated by Shri B. Praveen Kumar, ITS, Advisor, TRAI Regional Office, Hyderabad, who welcomed the participants and emphasized the growing importance of robust digital infrastructure in today's digital economy. He highlighted that digital connectivity has become a necessity and noted that nearly 80% of mobile data consumption now occurs indoors, making high-quality in-building digital connectivity essential.

The inaugural session was also addressed by Shri Tejpal Singh, ITS, Advisor (Quality of Service), TRAI, and Shri Dhavuryan Naik, Joint Director, Information Technology, Electronics & Communications (ITE&C) Department, Government of Andhra Pradesh. They emphasized the need for close collaboration among Government departments, property developers, Telecom Service Providers (TSPs), Infrastructure Providers (IPs), architects, and other stakeholders to ensure the successful implementation of the regulations.

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During the technical sessions, TRAI officials explained the provisions of the Rating of Properties for Digital Connectivity Regulations, 2024, including the rating framework, implementation methodology, infrastructure planning requirements, and best practices for providing seamless digital connectivity within buildings.

The workshop featured expert presentations from industry leaders:

- Shri Lalitha Kumar, Enterprise & IBS Project Manager, Indus Towers, delivered a presentation on "Planning for In-Building Solutions (IBS) in New Projects." He highlighted the importance of incorporating telecom infrastructure during the planning stage of buildings, explaining that nearly 80–85% of mobile data usage takes place indoors. He elaborated on the role of In-Building Solutions (IBS), Distributed Antenna Systems (DAS), Base Transceiver Stations (BTS), fibre connectivity, and neutral host infrastructure in ensuring seamless indoor connectivity. He also emphasized that early integration of telecom infrastructure would improve Digital Connectivity Ratings while minimizing future deployment challenges.
- Shri Ritesh Agarwal, Deputy CTO (RF), Reliance Jio, delivered a presentation on "Rating of Buildings for Digital Connectivity – Opportunity to Improve Indoor Consumer Experience." He highlighted the growing need for robust indoor 5G connectivity and advocated a collaborative Neutral Host Model, wherein property developers provide common telecom infrastructure such as dedicated fibre ducts, power supply, equipment space, and access to all Telecom Service Providers. He explained that such an approach would reduce deployment costs, overcome right-of-way constraints, and significantly improve indoor consumer experience.
- Shri Sagarneel Banerjee, Vice President, Crest Digital Pvt. Ltd., delivered a comprehensive presentation on the Digital Connectivity Rating Framework and the role of Digital Connectivity Rating Agencies (DCRAs). He explained the assessment methodology, rating criteria, testing procedures, and the benefits of digital connectivity ratings in enhancing building infrastructure, user experience, and telecom service quality. The presentation also highlighted Crest's practical approach to implementing the rating framework in accordance with TRAI guidelines.

An interactive panel discussion was subsequently held with representatives from TRAI, the Government of Andhra Pradesh, Telecom Service Providers, Infrastructure Providers, and Digital Connectivity Rating Agencies (DCRAs), including Crest Digital. The discussion focused on practical implementation strategies, stakeholder coordination, and the role of digital connectivity as an essential building utility.

The workshop witnessed active participation from more than 25 participants, including officials from the Government of Andhra Pradesh representing the Municipal Administration & Urban Development (MA&UD) Department, Andhra Pradesh Real Estate Regulatory Authority (RERA), Andhra Pradesh Capital Region Development Authority (CRDA), Information Technology, Electronics & Communications (ITE&C) Department, architects, telecom service providers, infrastructure providers, media organizations, and other stakeholders.

Key Outcomes of the Workshop:

The workshop resulted in several significant outcomes:

The Government of Andhra Pradesh's Municipal Administration & Urban Development (MA&UD) Department informed participants that they are considering this rating framework for buildings coming under Andhra Pradesh Capital Region Development Authority (APCRDA). The revised framework proposes mandatory Telecom infrastructure provisions, including underground Optical Fibre Cable (OFC) ducts, telecom shafts, equipment rooms, and other digital connectivity facilities as prerequisites for obtaining Occupancy Certificates.

Participants appreciated TRAI's initiative and actively engaged in discussions and interactive question-and-answer sessions following each technical presentation. Clarifications were provided by TRAI officials and expert speakers, contributing to a better understanding of the regulatory framework and implementation process.

The workshop successfully highlighted the importance of integrating digital communication infrastructure during the planning and construction stages of buildings to achieve seamless indoor connectivity, improve telecom service quality, and enhance the overall digital experience for consumers.

The event received coverage from Eenadu and other print media.

The programme concluded with a Vote of Thanks delivered by Shri G. Suresh Reddy, Joint Advisor, TRAI Regional Office, Hyderabad, who thanked the Government of Andhra Pradesh, industry representatives, expert speakers, and all participants for their valuable contributions towards the successful conduct of the workshop.



(G. Suresh Reddy)
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