

Augmenting Networks for the Future



We are future-proofing our networks and integrating intelligence through extensive use of digital tools and data science to bring efficiency and agility. This ensures intelligent planning, deployment, and effective operations management, thereby delivering an exceptional experience.

Our decision to adopt the Non-Standalone (NSA) network architecture for 5G stands validated with prudent capital allocation, superior customer experience and being environmental friendliness.

We continue to bolster networks with integration of AI/ML and cutting-edge automation. These technologies facilitate efficiencies on costs and across the networks through a host of predictive functions, and proactive and self-healing fault management. Further, AI-driven technologies enhance cybersecurity and mitigate potential security threats in real-time.

During the year, we tested the pre-commercial Reduced Capability (RedCap) software on 5G network – the first in India. RedCap aims to reduce device complexity, extend battery life, and deliver higher data speeds, through improved latency, energy and spectrum efficiency.

All of this is done by keeping sustainability at the core. We have stepped up solarisation agenda and deployed solar based solutions on more than 15,000 sites in the last fiscal. We brought significant cost efficiencies, leading to a decline in cost per site in FY 2023-24.

Highlights

43,000+
Network sites rolled out

55,000 Rkms+
Fiber deployment

15,000+
Sites solarised

25 Bn+
Saved on Network opex under
WoW programme

~2x
Increase in green sites over the
last two years