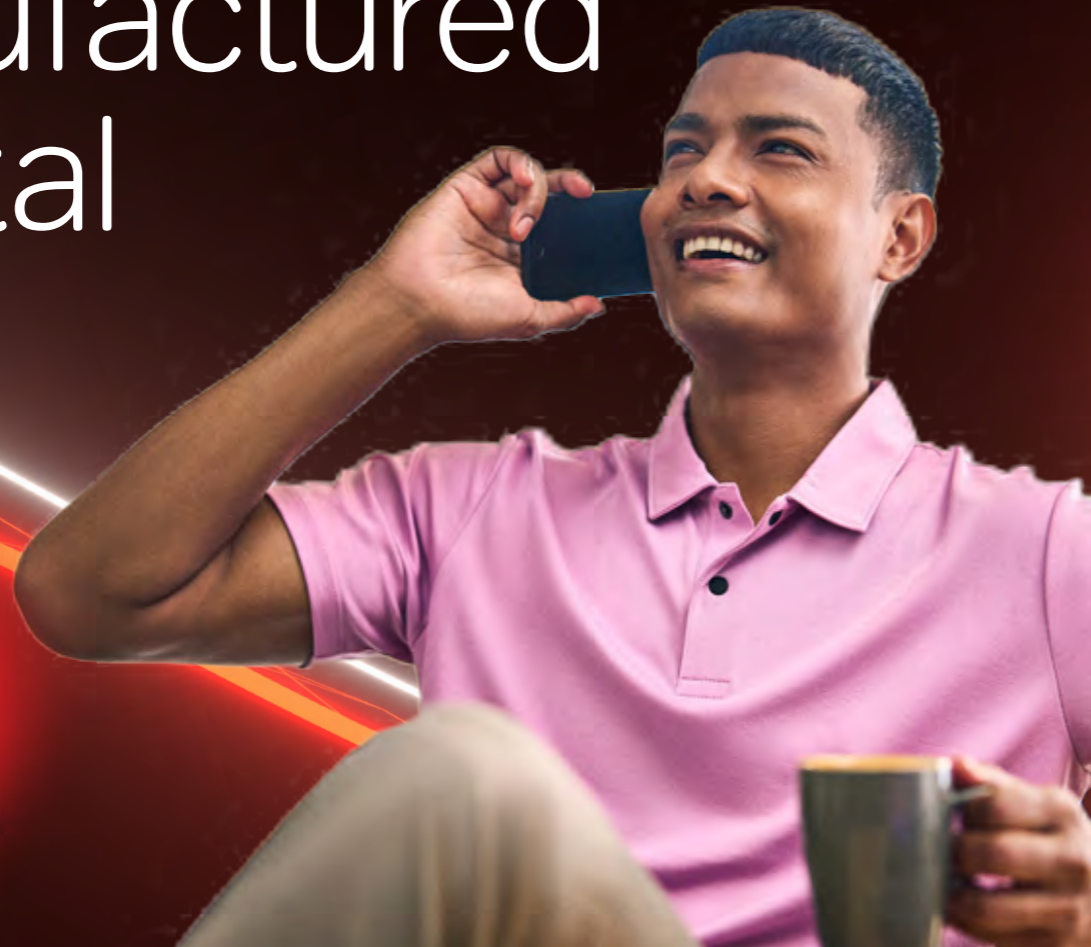


# Manufactured Capital



## SDGs impacted



## Material topics included

- Network quality, expansion and transformation
- Innovation of products and services
- Digital inclusion and enhanced access to ICT
- Green ICT solutions

## Relationship with other capital

- Financial
- Social and Relationship
- Intellectual
- Natural

We rely on a robust network infrastructure that is technologically advanced and environmentally friendly. By investing in the latest technologies and innovative solutions, we ensure our infrastructure is future ready, resulting in a seamless customer experience. With India's rapid transformation into a leading digital economy, we, at Airtel, recognise the importance of expanding our infrastructure and spectrum portfolio.

## Highlights for FY 2022-23

**37,492**

New mobile network towers installed

**80,233**

New mobile broadband base stations added

**12**

Large data centers

**120+**

Edge data centers

**92.45 MW**

Design Load in Large data centers

**106.01 MW**

Design load in edge data centers

**11,941**

Usable rack count/tile space for large data centers

**26,023**

Usable rack count/tile space for edge data centers

**5,027 Bn**

Minutes on network (Gross)

**33,647 Rkms**

Optic fiber cable deployed

**15,949 Bn MBs**

Data traffic (Homes Services)

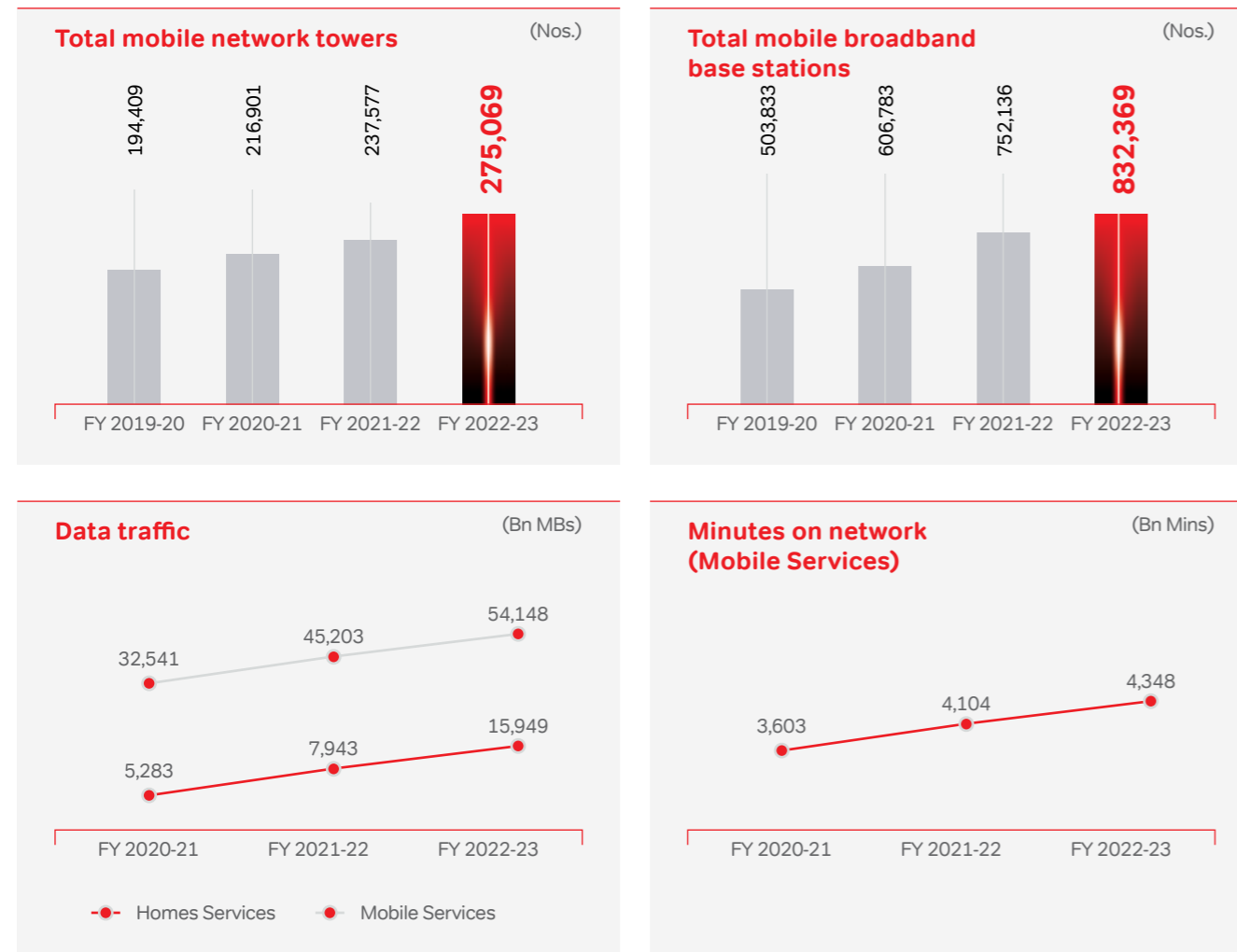
**54,148 Bn MBs**

Data traffic (Mobile Services)





## Manufactured Capital

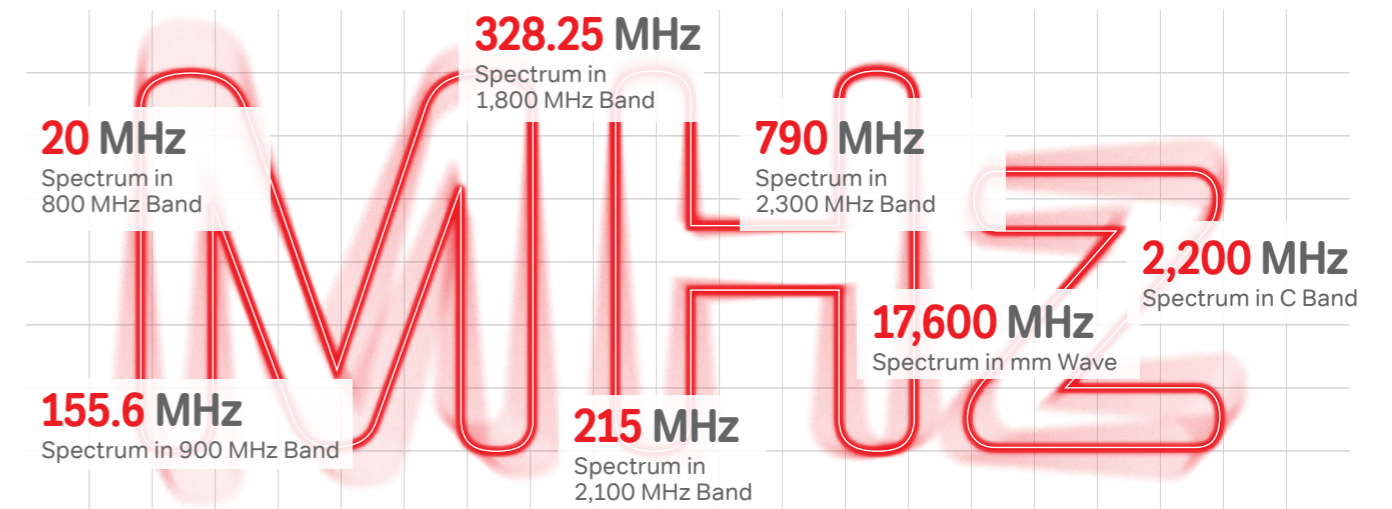


### Strong spectrum portfolio fostering world-class innovation and best experience

We have an ideal spectrum bank in the country. The acquisition of 19,800 MHz spectrum during FY 2022-23 further enabled us to secure a pan-India footprint of 3.5 GHz and 26 GHz bands, and selectively bolster the mid-band spectrum. A well-thought-out strategy for spectrum acquisition allows us to meet all our objectives: the best 5G experience, 100x capacity enhancement and the most power-efficient solutions that will go towards meeting our ambitious ESG goals.



### Airtel's spectrum snapshot



### Spearheading the 5G revolution in India

We launched our 5G network in October, 2022 and surpassed 1 million customers mark in less than 30 days of the commercial launch. Since then, we have rapidly expanded our coverage to thousands of towns/ cities. We continue to add 30 to 40 cities/ towns daily in our 5G network, demonstrating an aggressive approach in geographic expansion. Our 5G Plus is now accessible in every major city, from Kashmir to Kanyakumari.

This has been achieved by ensuring high-speed data services and extensive coverage, by deploying advanced network tools viz. Airtel 5G Plus, which offers three key benefits:

- Ultra-fast speed (up to 30x faster than 4G)
- Globally accepted technology architecture
- An eco-friendly network

The Company targets to cover all the urban areas and a few pockets of rural India with 5G services by March 2024.

We have also been testing our 5G solutions for enterprise across various vertical industry use cases with multiple partners in manufacturing, healthcare and automotive and more, covering several locations, as a part of our #5GforBusiness.



▶ Read more about 5G use cases and strategic partnerships on Page 120 in 'Management Discussion & Analysis Report'.



## Manufactured Capital

### Technology-enabled network transformation

We are committed to offering the best-in-class customer experience through the continuous deployment of Artificial Intelligence and Machine Learning technologies and the latest automation tools in our network infrastructure, thereby resulting in the reduction of customer complaints, ensuring proactive and preventive decisions using the big-data driven insights, reduction of overall service disruption time with faster identification/rectification, prevention of network degradation and faster resolution of network issues. Airtel Self Optimisation Network (A-SON), a state-of-art AI-ML driven platform, developed by our in-house network and digital engineering teams to detect, analyse and correct network anomalies/degradations, continuously monitors the network and routers and takes real-time preventive actions, ensuring a seamless customer experience. These tech-enabled network transformations ensure that our network teams are able to predict network issues ahead of time and deliver seamless connectivity.



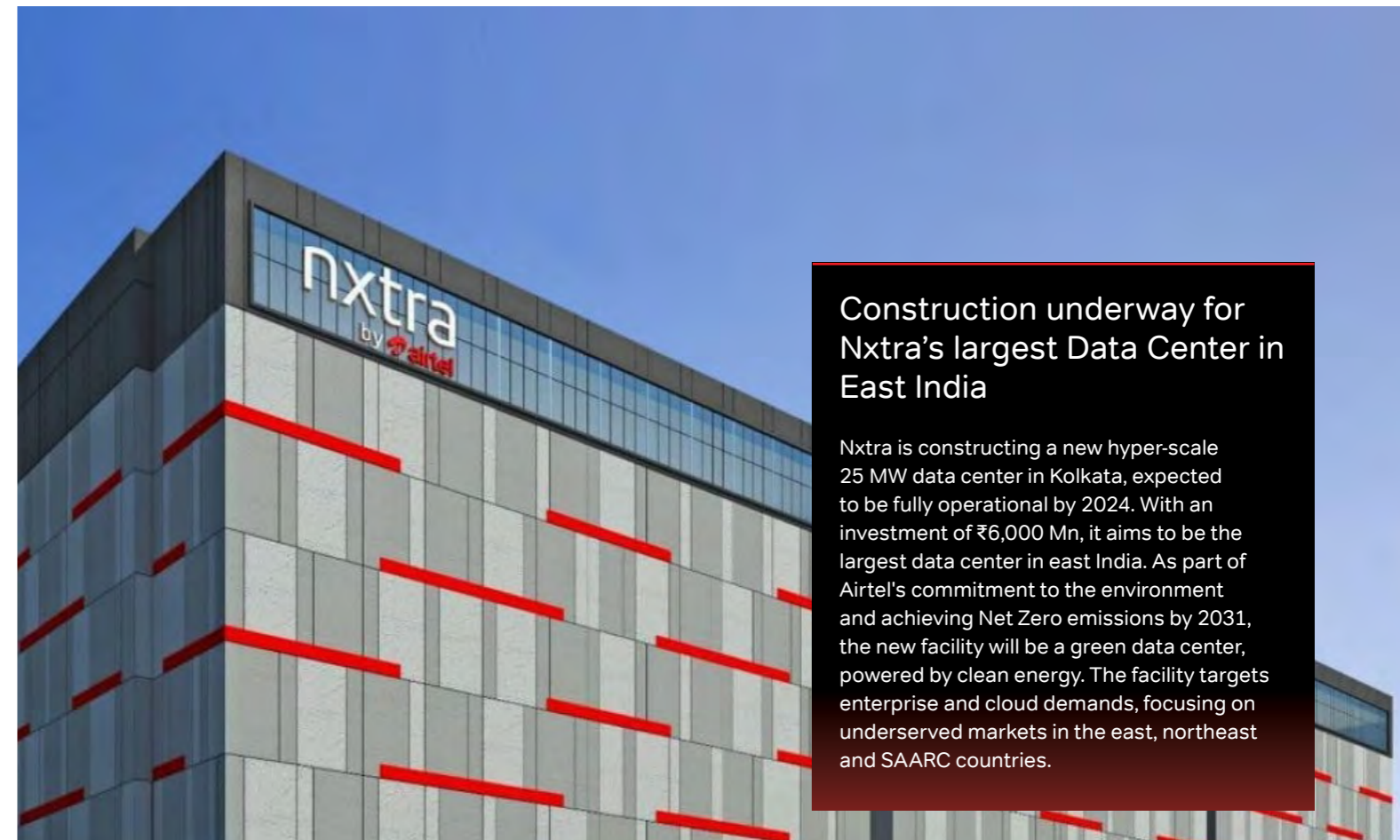
### Data centers: The backbone of India's digital economy

Our subsidiary, Nxtra Data Limited ('Nxtra'), offers the largest network of 12 large and over 120 edge data centers in India, providing businesses with a reach and scalable infrastructure that is unmatched. Nxtra serves over 400 clients (Non-group customers) through its pan-India infrastructure. The colocation facilities are fully-equipped to provide scalable, digitised and sustainable IT infrastructure, thus empowering businesses to build their digital-first ecosystem with optimal performance and security.

to invest ₹5,000 crores in next few years to build new hyperscale data centers in Mumbai, Pune, Bengaluru, Hyderabad, NCR & Kolkata. All these upcoming facilities will play a key role in increasing our installed capacity by 2X to over 400 MW and serve the emerging requirements of India's digital economy.

We understand that data center industry is going to witness significant growth in the forthcoming years, having strong demand across customer segments. Keeping in view the impending growth, Nxtra has further committed

**400+**  
Clients served by Nxtra



### Construction underway for Nxtra's largest Data Center in East India

Nxtra is constructing a new hyper-scale 25 MW data center in Kolkata, expected to be fully operational by 2024. With an investment of ₹6,000 Mn, it aims to be the largest data center in east India. As part of Airtel's commitment to the environment and achieving Net Zero emissions by 2031, the new facility will be a green data center, powered by clean energy. The facility targets enterprise and cloud demands, focusing on underserved markets in the east, northeast and SAARC countries.

## Airtel supports 'Digital India' mission

We are committed to the Digital India mission, which aims to transform India into a digitally empowered society and knowledge economy. We actively contribute to the mission through various initiatives aimed at ensuring uninterrupted mobile network services and fostering digital transformation. These include scaling core capacities for unlimited 5G adoption, streamlining ILD

services, implementing automated. By simplifying onboarding processes, improving customer journeys, and deploying advanced technologies, we support the seamless transition to a digital ecosystem. These efforts align with our commitment to driving digital inclusion and playing a significant role in the success of the Digital India initiative.