

Microsoft datacenters in India

Datacenters provide the physical infrastructure for the technology we depend on at work and in our personal lives

A datacenter building houses thousands of computer servers and data storage devices connected to the internet

Datacenters are part of everyday life

Whenever you open an app on your phone, join a virtual classroom or meeting, snap and save photos, or play a game with your friends online, you are using a datacenter.



These buildings are similar in size and appearance to a distribution warehouse.



Microsoft aims to build datacenters that are best in class in performance, reliability, safety, aesthetics, and sustainability.



Compared to many other industrial facilities, datacenters do not create significant noise pollution or have a significant impact on traffic flow or congestion.



Microsoft operates more than 300 datacenters in over 34 countries.



Email



Online shopping



Mobile apps



Online banking



File storage



Streaming videos

[Take a virtual tour of a datacenter](#) >

Microsoft datacenters create local operations and construction jobs

Microsoft is currently building datacenter facilities in the Hyderabad and Pune regions.

We estimate it will require **800 roles** and approximately **4.4 million work hours** to complete construction of the new datacenters in India.

By the end of 2026, we project **319 full-time employees and contractors** will work across all operational facilities.

Datacenter operations

- Campus management
- People management
- Learning and development
- IT operations
- Mechanical engineers
- Electrical engineers
- Security contractors
- Building maintenance
- Critical environments

Construction jobs

- Electricians
- Plumbers and pipefitters
- Carpenters
- Structural iron and steel workers
- Concrete workers
- Earth movers

[Find Microsoft jobs in your community](#)



Taxes from Microsoft datacenter operations represent important revenue for national, regional, and local governments

Microsoft datacenters represent a capital-intensive investment and long-term commitment to the community. This investment grows the commercial property tax base, increasing revenue for municipal services that benefit local citizens.

Examples of country, provincial, and local taxes that support cities, municipal services, schools, and colleges include:



Property taxes

Collected annually once land is purchased.



Indirect taxes

From construction and operation expenses. Examples include VAT, GST, and sales tax.



Income taxes

From construction and operations workers.

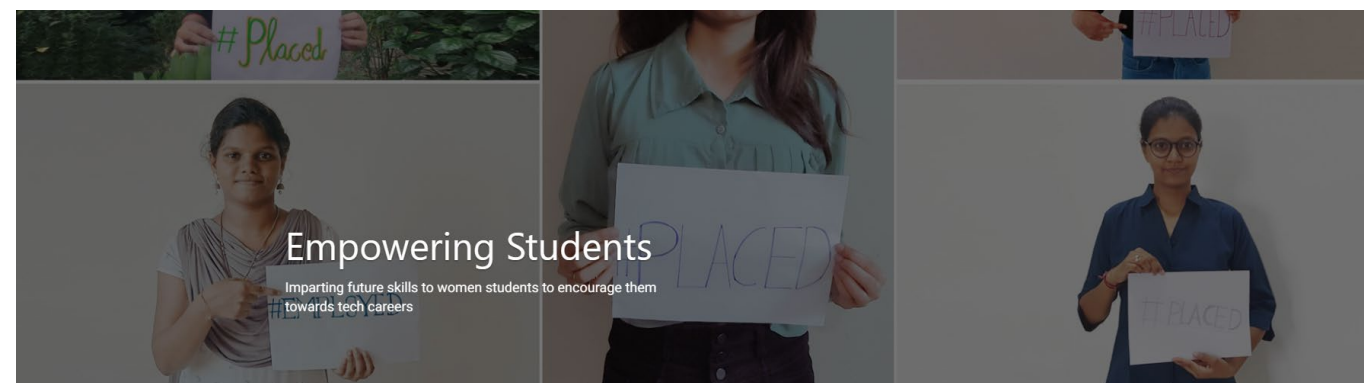
Published April 2023. This document shares information we have as of the publication date, and it includes estimated information and projections. The information is provided as is and may change without notice.

Microsoft is investing in local priorities in India

Investing in people of all ages through local skill-building programs

Providing pathways for datacenter careers

Tech Saksham is a tech skilling initiative by Microsoft and SAP in India that aims to bring more women engineers into the workforce. Tech Saksham imparts skills around key technologies to accelerate the participation of women in the digital economy. As a part of the initiative, courses are offered in the disciplines of web design, digital marketing, cloud computing, and AI.

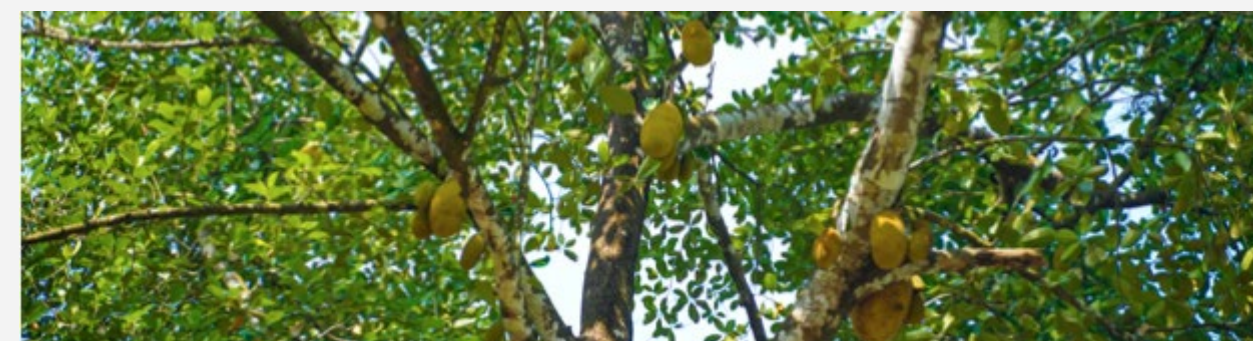


[Learn more about Tech Saksham](#) >

Partnering with environmental sustainability programs for local impact

Investing in water conservation

With support from Microsoft, One Tree Planted is partnering with Sustainable Green Initiative to develop urban forestry projects in Hyderabad in India. We anticipate the local partner, Sustainable Green Initiatives, will help support critical ecosystem services, including stormwater management, water quality improvements, and biodiversity conservation, through planting more than 25,000 trees in these two cities.



[Learn more the Hyderabad urban forestry project](#) >

Published April 2023. This document shares information we have as of the publication date, and it includes estimated information and projections. The information is provided as is and may change without notice.

Microsoft global commitments

Published April 2023. This document shares information we have as of the publication date, and it includes estimated information and projections. The information is provided as is and may change without notice.

CARBON

Microsoft pledged to become carbon negative by 2030 and to remove historical carbon since its 1975 founding by 2050.

Microsoft will reduce Scope 1 and 2 emissions to near zero through energy efficiency work and by reaching **100 percent renewable energy coverage by 2025.**

Microsoft has also committed by 2030 to:

- Be free of diesel.
- Match 100 percent of electricity consumption, 100 percent of the time, with zero-carbon energy purchases.
- Reduce our Scope 3 emissions by more than half.

WATER

In 2020, Microsoft pledged to be water positive for our direct operations by 2030.

Through this commitment, we will replenish the water consumed by datacenter operations in water-stressed regions. We have also committed to **reduce water waste by 95 percent in our datacenter operations by 2024.**

WASTE

In 2020, Microsoft announced enhanced goals for waste reduction, circular supply chains, and zero-waste certification. We are working towards our goal of **90 percent reuse and recycle of servers and components by 2025** through our first-of-a-kind Microsoft Circular Centers.

Microsoft is using **circular economy** principles in our datacenters by implementing reuse and comprehensive recycling programs.

By 2030, Microsoft datacenters will be zero waste



ECOSYSTEMS

Microsoft has committed to **protecting more land than we use for direct operations by 2025.**

Microsoft is committed to community investment, pollution remediation, and fair economic inclusion initiatives, as well as investment in clean energy, broadband access, and water replenishment initiatives.

India

Datacenter operations sustainability investments

We're committed to providing a sustainable Microsoft Cloud, so we wanted to share information about how we take responsibility for our datacenter operations.

For Microsoft datacenters located in India we have included local sustainability investments and datapoints in support of meeting and exceeding our commitments around carbon, water, waste, and ecosystems.

CARBON

1.43

Power usage effectiveness (PUE) for new datacenters

Not yet in operation

We've committed to have **100% renewable energy coverage globally by 2025**

In India, we plan to **power our backup generators with a renewable biofuel blend that reduces net carbon emissions.**

New Microsoft datacenters are designed to earn **LEED Gold certification.**

[Learn about PUE >](#)

WATER

0.0 $\frac{\text{L}}{\text{kWh}}$

Forecasted water usage effectiveness (WUE)

Not yet in operation

Microsoft will use **air-cooled chillers** that require **zero water for cooling or humidification.**

[Learn about WUE >](#)

WASTE

Globally, Microsoft datacenters reuse

78%

of our end-of-life assets and components. **The remaining 22 percent of materials are recycled.**

It takes five to six years from when a datacenter is operational to generate reusable assets. Once servers are ready to be decommissioned in this region, Microsoft is planning to use the closest available Circular Center.