



Sustainability Fact Sheet

India

AWS is building a sustainable business in India, partnering with local communities, and investing in the region's future

Our sustainability work includes enhancing energy efficiency, transitioning to carbon-free energy, reducing embodied carbon, using water responsibly, driving a circular economy, and enabling sustainability for customers.

At AWS, we focus on efficiency across all aspects of our infrastructure. We use industry-standard metrics to measure efficiency and seek the optimal balance of energy and water use.

For more information, visit the [AWS Cloud Sustainability webpage](#).

Efficiencies of Scale

Our scale allows us to achieve higher resource utilisation and energy efficiency than the typical on-premises data centre. A study released by Accenture and AWS estimates running optimised workloads on AWS's infrastructure is up to **4.1 times more efficient than on-premises**.

For more information, visit the full report, "[How moving to the AWS cloud reduces carbon emissions](#)."

Key Sustainability Metrics

AWS Asia Pacific (Mumbai)	2023	2024	2025
Average PUE	1.44	1.42	1.40
Average WUE (L/kWh)	--	--	--

AWS Asia Pacific (Hyderabad)	2023	2024	2025
Average PUE	1.50	1.46	1.43
Average WUE (L/kWh)	--	--	--

Power Usage Effectiveness (PUE) and Water Usage Effectiveness (WUE), in litres per kilowatt-hour) for data centres operated by AWS between January 1 and December 31 of each year

Water Positive

Replenishing Water to Communities

Local projects

We are continuing improve water efficiency across all Amazon facilities in India. We are using on-site sewage treatment plants at 27 logistics sites to recycle greywater for toilet flushing and irrigation, which is expected to save an estimated 279 million litres of water per year. We're adding to our existing water replenishment projects by supporting projects in our communities that improve water availability and quality in water-stressed areas.

Project	Location	Annual Impact
Vaitarna hydrobasin initiative	Maharashtra	~1.3 billion litres replenished; 700+ farming families benefited
SayTrees lake restoration (Yamare & Sai Reddy Lakes)	Bengaluru & Hyderabad	570+ million litres replenished
Yamuna River watershed project	New Delhi	400 million litres replenished
WaterAid collaboration (via AWS)	Hyderabad	640 million litres of safe water annually
Water.org collaboration (via AWS)	Mumbai & Hyderabad	500+ million litres delivered
SEARCH partnership (via AWS)	Villages surrounding Hyderabad	Consistent water supply for farmers
Netafim drip irrigation partnership	Bengaluru & Hyderabad	~325 million litres saved; ~110 farmers across 120 hectares

OVERVIEW

ENVIRONMENT

COMMUNITY

ECONOMIC IMPACT

Water Positive commitments

AWS is committed to being water positive by 2030, meaning we will return more water to communities than we use in our direct operations. As of the end of 2025, we were 75% of the way towards this goal globally.

In 2025, AWS withdrew 383,567,863 litres of water in Mumbai and 56,061,382 litres of water in Hyderabad.

Amazon also has a goal to be water positive in the direct operations of all its facilities in India by 2027. To learn more, see the [Amazon Water Stewardship webpage](#).

Carbon-free energy

In 2025, BloombergNEF again recognised Amazon as one of the world's leading corporate purchasers of carbon-free energy, in addition to building the largest carbon-free energy portfolio of any corporation globally. We have invested in over 700 carbon-free energy projects in 28 countries, with the capacity to generate 40+ gigawatts of electricity.

Local projects

Amazon has invested in dozens of clean energy projects in India, with a total of 1.1 gigawatts (GW) of clean energy purchased to date across India. Recent projects include:

- 100 MW wind farm at CleanMax Koppal in Karnataka
- 99 MW wind project at BluPine Solapur in Maharashtra
- 180 MW wind project at JSW Energy Dharapuram in Tamil Nadu

"I welcome Amazon's continued commitment to India's renewable energy transition. Investments in wind and solar projects are crucial for achieving our renewable energy targets and ensuring energy security. **These projects will not only contribute to a cleaner environment but also generate employment and foster economic growth in local communities.** The Government of India remains committed in its efforts to support such initiatives, and I encourage other global corporations to invest in our green energy future."

- Shripad Yesso Naik, Hon'ble Minister of State of Power and New and Renewable Energy

Our commitment to being a good neighbour

Safety Considerations: AWS has been safely operating data centres for nearly two decades. Our facilities use standard electrical and networking equipment that operates well within established safety guidelines. AWS has a documented safety management system that we call our Safety Management Program (SMP), which defines the policies for how our management system is executed and the standards we adhere to in order to meet or exceed regulatory commitments and to share best practices.

Sound Management: We are investing in advanced technology and engineering for industry-leading sound management across our data centres that demonstrates our commitment to being a responsible community partner. Our mitigation approach strives to reduce both low frequency and tonal sound characteristics to ensure comprehensive sound quality management. Our noise mitigation measures include sound-dampening building materials and insulation, strategic placement of equipment, visual screening, and acoustic enclosures and mufflers where needed.

Environmental Protection: AWS is committed to sustainable and environmentally responsible business practices, complying with all applicable environmental obligations, evaluating our performance relative to these obligations and finding opportunities to enhance that performance.

Air Quality: We take air quality very seriously. Our generators are carefully maintained and fully compliant with all environmental regulations. Beyond meeting these requirements, AWS voluntarily invests in advanced technology that significantly lowers emissions below required levels. These sophisticated emissions control technologies greatly reduce nitrogen oxide, particulate matter, and carbon monoxide to protect public health.

Water: Protecting water quality and local ecosystems is a top priority for AWS. When outside air isn't cool enough to air cool our data centres, we use water to cool the air through an efficient process called direct evaporative cooling. After use, we discharge this water to local treatment facilities or waterways. For all water that leaves our facilities, we work closely with local environmental regulators and comply with applicable water quality requirements, including any limits on water temperature.





Hyperlocal impact

Amazon is partnering with the Telangana State government and local communities to enhance educational opportunities and build a more sustainable future in the region. The project included renovations at the Telangana State Model School in Gungal village, Rangareddy district, directly benefiting over 400 students and setting a new standard for rural educational infrastructure. Key improvements include a modern library and sustainable solutions such as a 20-kW rooftop solar power system and rainwater harvesting infrastructure.

Supporting the next generation of talent

Amazon Think Big Spaces are designed to provide students from underserved communities a place beyond the classroom to explore and cultivate an interest in Science, Technology, Engineering and Math (STEM) disciplines. These labs encourage a hands-on approach, enabling students to tinker and explore so that they can think big to solve real-world problems.

Since 2019, Amazon Think Big Spaces has empowered young students from municipal schools in Navi Mumbai and Thane in Mumbai and Rangareddy in Hyderabad. A total of 67 Think Big Spaces have been set up, including one mobile Think Big Van, which together cater to 13000+ students and teachers.

Amazon's Data Centre Skills Training Program skills college students with intensive technical training that creates job-ready candidates aspiring for data centre roles. Across BOM & HYD, 300+ students completed their Data Centre Operations (DCO) and Data Centre Engineering Operations (DCEO) training, with many of them joining Amazon.

Investing in India

An Economic Impact Report by Keystone Strategy revealed Amazon's cumulative investments of nearly \$40 billion—including compensation to employees and the development of infrastructure—have established the company as the largest foreign investor* in India, the largest enabler of ecommerce exports**, and among the top job creators in the country.

The Keystone report shows that Amazon has:

- Digitised over 12 million small businesses
- Enabled \$20 billion in cumulative ecommerce exports
- Supported approximately 2.8 million direct, indirect, induced and seasonal jobs across industries in India in 2024. These roles range across technology, operations, logistics, and customer support, with competitive pay, health benefits, and training for employees.

In 2030, Amazon businesses will support 3.8 million direct, indirect, induced and seasonal jobs.

**Per Keystone Report, Amazon is the largest foreign investor in India per publicly available data.*

***Per Keystone Report, Amazon is the largest enabler of ecommerce exports from India per publicly available data.*

Bolstering local AI capability and skills

Amazon's comprehensive AI commitment will transform India's digital landscape to support the government's vision of "AI for All." By 2030, Amazon plans to:

- Bring benefits of AI to 15 million small businesses, with sellers on Amazon.in already using AI-powered tools like Seller Assistant, Next Gen Selling, and others.
- Enhance shopping experiences for hundreds of millions of shoppers through innovations like Lens AI for visual discovery, conversational shopping with Rufus, and multilingual experiences that overcome literacy barriers.
- Empower 4 million government school students with AI education and career exploration opportunities through AI curriculum, technology career tours, hands-on AI sandbox experiences, and teacher training programs. This initiative supports India's National Education Policy 2020 by democratizing AI education through Amazon's technology expertise and nonprofit partnerships.