

CEL-ESDS to establish tier-3 green data center

UP State Bureau

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A major step in Uttar Pradesh's technological and digital infrastructure development is set to take shape with the upcoming CEL-ESDS Green Data Center in Sahibabad, Ghaziabad. The foundation stone for the project will be laid at the Central Electronics Limited (CEL) office in the Sahibabad Industrial Area during a ceremony on Thursday.

The Green Data Center is a collaborative initiative between Central Electronics Limited and ESDS Software Solution Limited. Designed as a Tier-3 facility, the center will be built with high sustainability standards and advanced technological capabilities to support the evolving needs of



Project aims to support Digital India and Green India initiatives with sustainable infrastructure

digital governance, businesses, and innovation ecosystems.

With an emphasis on energy efficiency and environmental responsibility, the facility aligns with the broader national goals of Digital India and Green India. It is expected to play a key role in driving digital transformation, attracting investments, and boosting

employment opportunities in the region.

The proposed center will offer a total capacity of 30 megawatts and include high-density server racks distributed across three floors. Its infrastructure will feature Tier-3 green building certification, a robust 40 Gbps ring fiber backbone, and support from multiple internet service providers. Advanced monitoring systems and multi-layered security protocols will ensure reliability and protection of critical data. Once operational, the CEL-ESDS Green Data Center will serve as a significant digital infrastructure hub, helping position Uttar Pradesh as a competitive player in India's digital economy while maintaining strong environmental stewardship.