



# THE FUTURE OF SUSTAINABLE INFRASTRUCTURE

Towards an Aatmanirbhar Bharat

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# India's Vision Towards a Net Zero Nation by 2070



**450** GW  
of Renewable  
Energy Capability



**Reducing**  
Reliance  
on Fossil Fuels

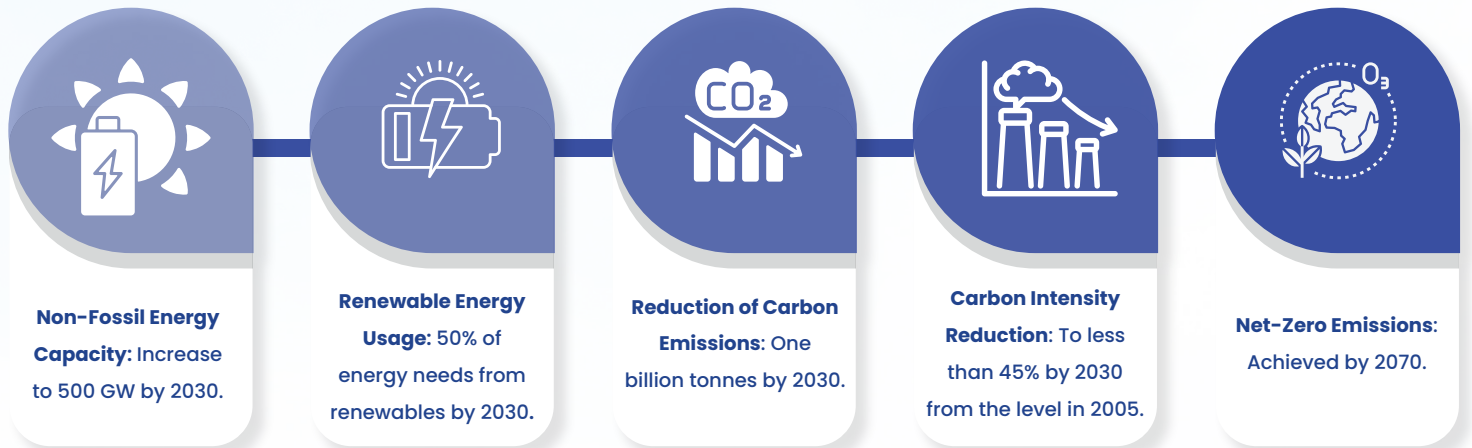
India has launched Lighthouse Projects based on Net Zero guidelines, Set to be replicated nationwide.

Bootes stands as a National beacon for self-reliant Atmanirbhar initiatives

// **INDIA WILL ACHIEVE THE TARGET OF NET ZERO BY 2070.** //

Prime Minister Narendra Modi  
COP 26

# Five Goals of Panchamrit



## Our Net Zero Achievements To Date





## Our Mission

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*To be the leading National construction & Engineering Company revolutionizing Net Zero construction and creating resilient sustainable Bharat*

**'NATION FIRST, INDIA FIRST'**



# About Bootes

**INDIA'S FIRST** NET-ZERO CONSTRUCTION & ENGINEERING **COMPANY**

Bootes is at the forefront of the Indian construction industry's shift towards sustainable & green building practices

At **BOOTES**, we don't just build structures; we forge a future where innovation & sustainability converge seamlessly.

**Net Zero  
Data Center**



**Net Zero  
Building**



**BOOTES**  
leading its sustainable  
engineering revolution

**Net Zero  
Cold Storage**



**Net Zero  
Manufacturing**

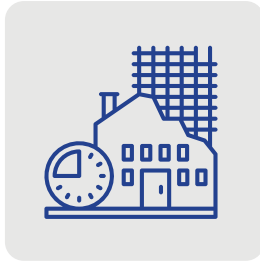


# Our Core Competencies

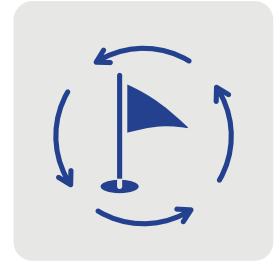
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**450+ ARCHITECTS & ENGINEERS ONBOARD**



**FASTEST CONSTRUCTION & TIME BOUND DELIVERY**



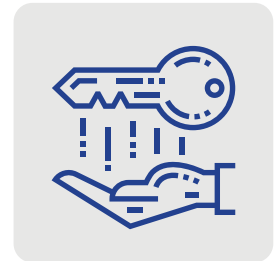
**END TO END SOLUTIONS  
A 360° NET ZERO PLAN**



**DISASTER RESILIENCE  
FOR 100 YEARS!**



**WORLD CLASS TECHNOLOGY  
WITH GLOBAL CREDENTIALS**



**TURN-KEY SERVICES**



**SUSTAINABLE PRACTICES**

# Choose Bootes



# We are BOOTES

Your One Stop For Every Solution

**B**UILD



**O**PERATE



**O**WN & FINANCE



**T**ECHNOLOGY & INNOVATION



**E**NGINEERING & DESIGN



**S**PEED & SUSTAINABILITY



## We Offer Complete DBFOT Solutions

As Compared to traditional building systems, **BOOTES** delivers\*

**80%**

Reduced **Carbon**  
Emission in Building

**85%**

Reduced **Energy**  
Consumption

**75%**

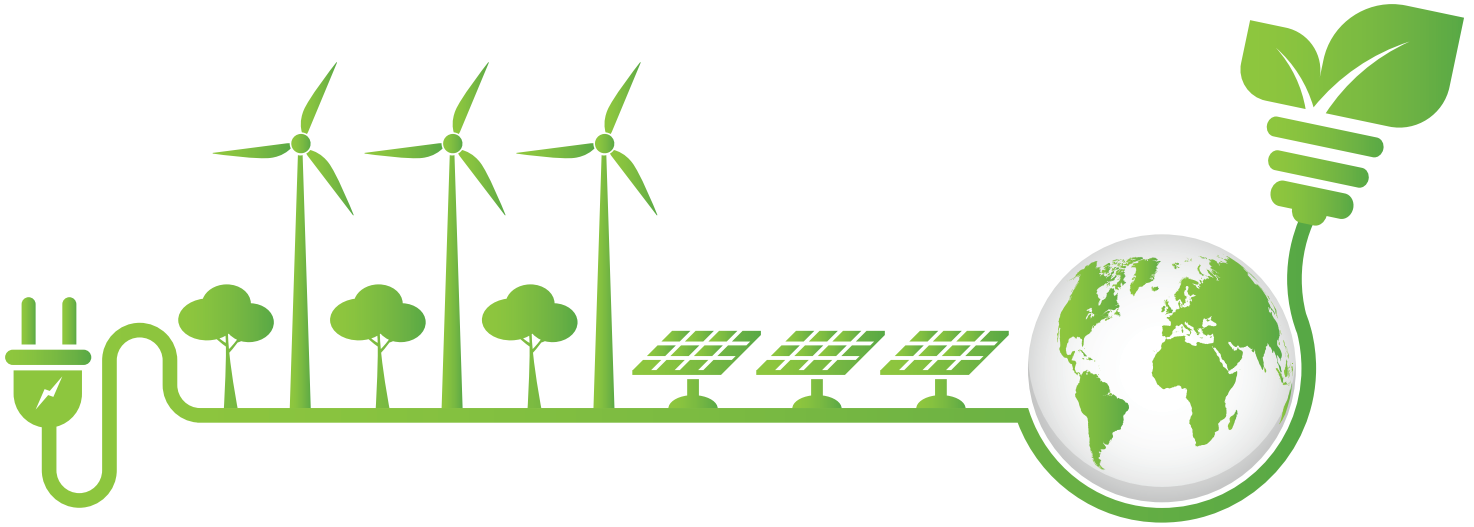
Reduced **Cost Of**  
Operations

\*This is an estimate of results achieved in the past. Actual figures varies as per project

# What, Why & How?

## Net-Zero

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Some of the core methodologies that BOOTES incorporate are:

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### Using Renewable Energy Sources

Decarbonizing the power grid through all-electric infrastructure solutions that leverage renewable energy sources such as solar, wind & hydro to reduce greenhouse gas emissions.



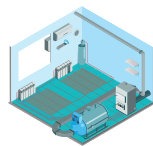
### Zero Waste, Zero Liquid Discharge

Advanced waste water treatment & resource recovery through zero waste and zero liquid discharge solutions that enable water conservation & reduce environmental impact.



### Using Sustainable Building Materials

Integrated energy management systems using cutting-edge Eco-friendly building practices to prioritize environmental sustainability while maintaining quality



### Cooling Via Hydronic Systems

Sustainable, water-based cooling using high-efficiency hydronic systems that reduce energy consumption & greenhouse gas emissions compared to conventional HVAC.



### Energy Efficiency

Integrated energy management systems using cutting-edge technology that enable real-time energy monitoring, optimization & management to reduce energy consumption & carbon emissions.

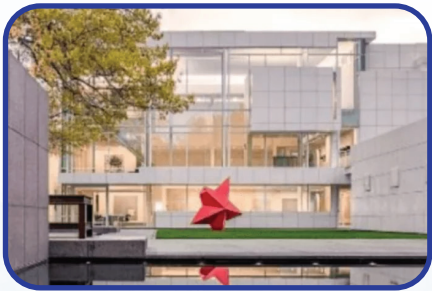
Our Journey so far

# National Project Showcase



## JHANSI LIBRARY

**World's 1st Net Zero Library**, constructed in 90 days, setting records as Asia's and India's fastest construction & received EDGE Certification



## HARYANA INTERNATIONAL HABITAT CENTER

The Haryana International Habitat shares a vision for creating a dynamic environment that fosters collaboration among individuals & institutions addressing diverse habitat related issues



## SHRIMAD BHAGWAT GEETA MUSEUM

Geeta Museum, **India's first Net-Zero Museum**, celebrates the nation's cultural richness with groundbreaking sustainability



## PRADHANMANTRI SANGRAHALAYA

An interactive & immersive Museum with world-class technology depicting the lives & times of all the Prime Ministers who shaped India

# Our Journey so far

## Project Showcase

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### JHANSI EXHIBITION CENTER

World-class facility with cutting-edge technology & sustainability, designed for conferences, exhibitions, cultural programs, & social gatherings



### LETE HANUMAN JI TEMPLE

Lete Hanuman Ji temple blends Nagara architectural style with state-of-the-art & immersive technology



### GANDHI SMRITI DIGITAL MEMORIAL MUSEUM

Meticulously crafted installation uses cutting-edge technology & visuals to illuminate Mahatma Gandhi's life, philosophy & teachings for an immersive understanding of his timeless message



### DUBAI INDIA PAVILION

BOOTES delivered HVAC solution at the India Pavilion at World Expo 2020, Dubai

Our International Projects are in Association with Our Partners URBS

# Asia's Fastest Construction

## India's First Net Zero Library

WE ARE EDGE CERTIFIED FROM THE WORLD BANK



DESIGN



DEMOLISH



BUILD



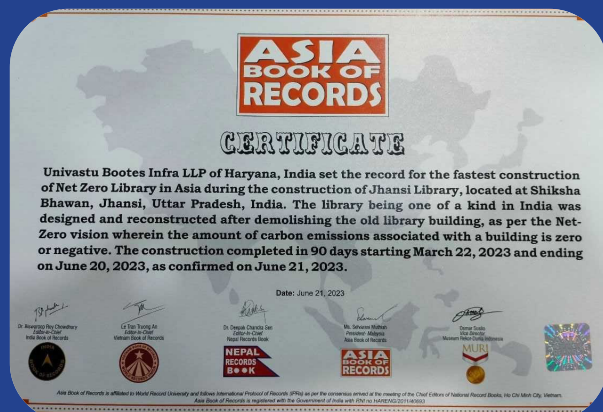
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**IN 90 DAYS**  
JHANSI LIBRARY

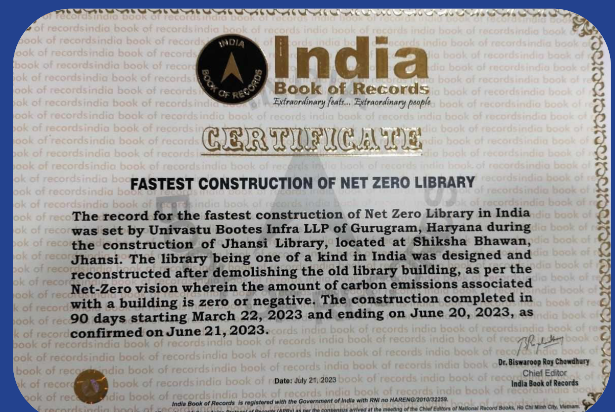


20/06/2023

## Awarded Certificate for Fastest Construction in Asia



ASIA'S FASTEST CONSTRUCTION  
by Asia book of Records



INDIA'S FASTEST CONSTRUCTION  
by India book of Records

# EDGE Certified

## Asia's First Project to Earn 100% Energy Savings EDGE Net Zero Carbon Ready Certification

THIS CERTIFIES THAT  
**Zila Pustakalaya Jhansi**  
HAS ACHIEVED AN  
**EDGE ADVANCED CERTIFICATE**  
CERTIFICATE NUMBER  
**LPS-IND-23053110164632**

### EDGE ADVANCED

Exemplifying achievement in the following areas:

**100%**  
Energy Savings

**29%**  
Water Savings

**34%**  
Less Embodied  
Carbon in Materials

- tCO<sub>2</sub>/year  
Operational CO<sub>2</sub> Emissions  
70.04 tCO<sub>2</sub>/year  
Operational CO<sub>2</sub> Savings



DEVELOPED BY  
**Jhansi Development Authority**

CERTIFIED BY  
**Green Business Certification Inc. (GBCI)**

A handwritten signature in black ink, reading "Peter Templeton".

Peter Templeton, President and CEO  
DATE OF ISSUE: 27-NOV-2024



**WORLD BANK GROUP**

THE WORLD BANK  
IBRD - IDA

**IFC** International  
Finance Corporation



# Featured in

BOOTES' transformative approach & fast-paced construction has been featured in multiple publications in India, as well as Globally.

**Forbes**



**The Asian Chronicle**

**Khaleej Times**



**Business Standard**



## Our Associations



**UNIVASTU BOOTES**  
— INFRA LLP —

**urbs.**  
URBAN SYSTEMS



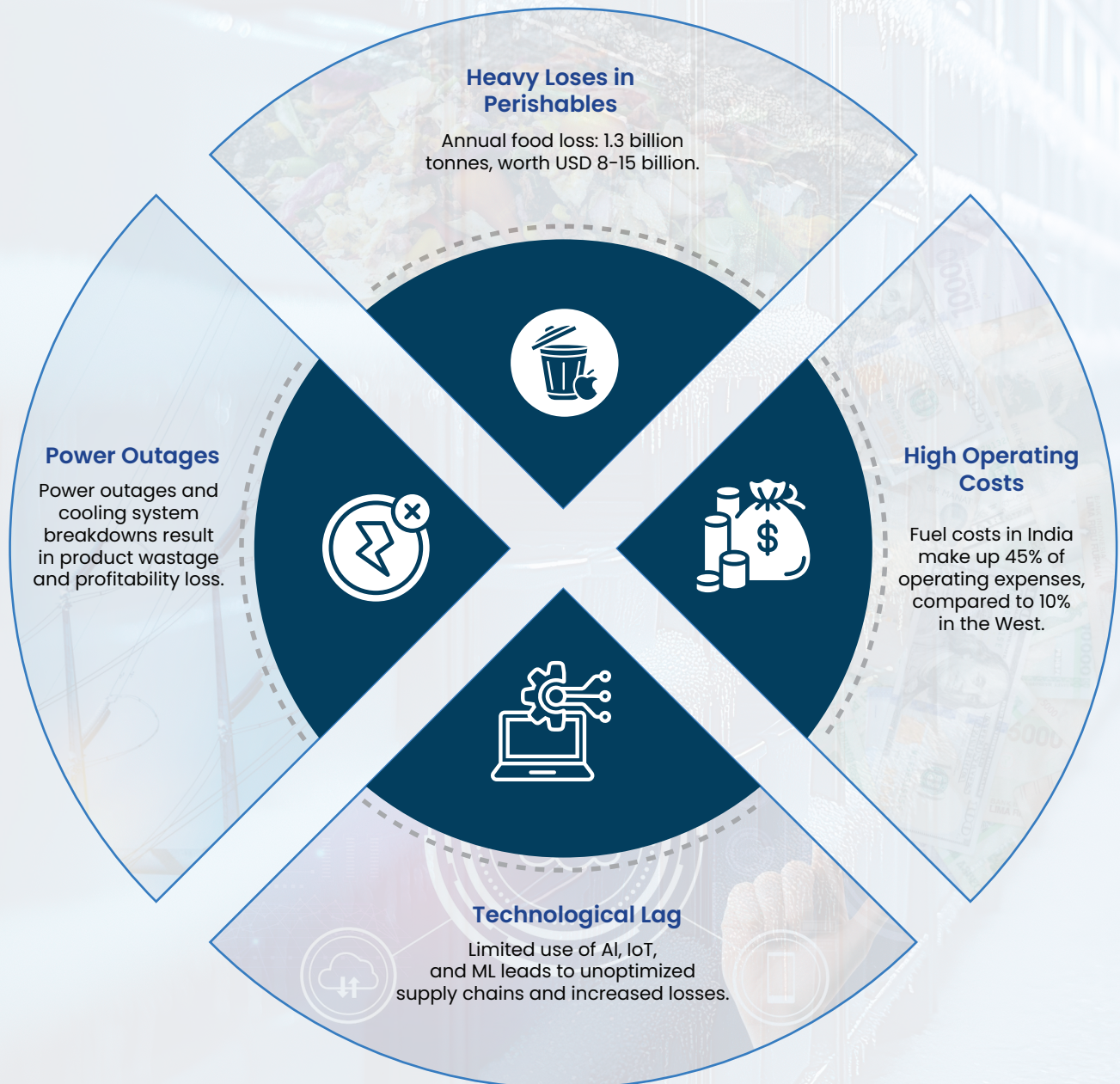
**GENERIC**<sup>®</sup>  
ENGINEERING CONSTRUCTION AND PROJECTS LTD.



# BOOTES COLD STORAGE

100% Green Energy, Clean Storage, Zero Carbon Emission

## Challenges in India's Cold Chain Market



Redefining the industry with Net-Zero emissions, state-of-the-art energy-efficient refrigeration and smart IoT temperature monitoring, Netzawa embodies a perfect synergy of innovation and sustainability. By seamlessly integrating advanced technology with eco-conscious practices, Netzawa ensures unparalleled reliability and sets a new benchmark in environmental responsibility.



**THE GLOBAL GOALS**

# Imagined in India Innovated for India To Inspire India



# आत्मनिर्भरता का प्रतीक Ek Net Zero Bharat



## Our National Network

Ushering Eco Friendly & Green Building Practices



### Our Global Presence International Offices



Scan to know more

### Contact Us

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