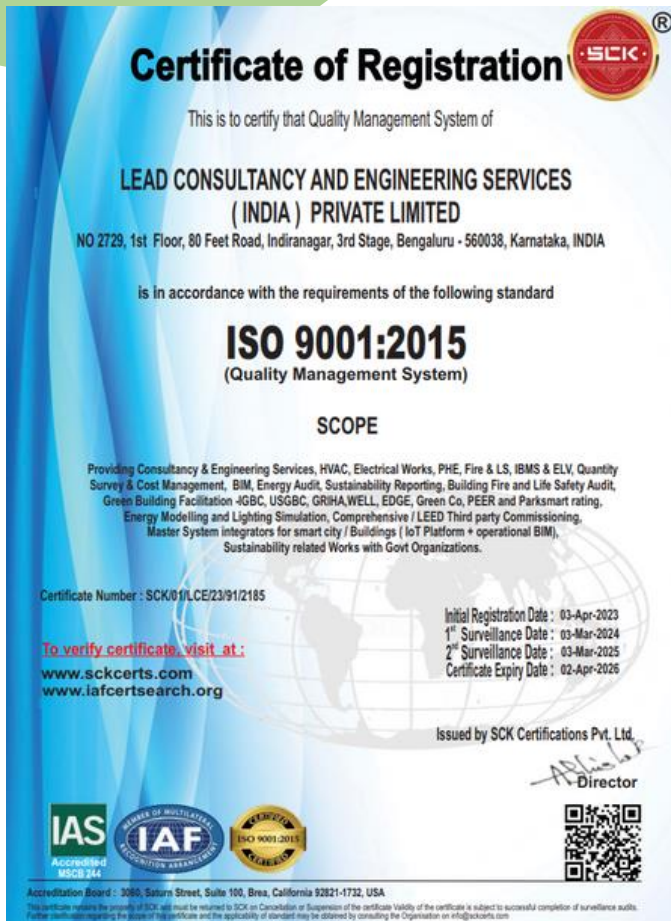


LEAD CONSULTANCY & ENGINEERING SERVICES (I) PVT LTD (LCES)

**July
2023**



LCES Green Contribution



Annual Energy Savings
400 GWH



Annual Water Savings
800 M Gal



Occupant Comfort
12 Lakhs +

With our team of about 135+ Building professionals, LCES has delivered over the decade:

- Over 600+ MEP Design projects
- More than 1000+ Green projects
- About 450 Million Square feet of building footprints
- Over 1600 major projects with repeated clients

SCORE CARD

**DID YOU
KNOW?**



- 1st edition of Green Property Show 2023, India's First & Exclusive Expo showcasing IGBC Green Certified / Pre-Certified Projects, Green Products, Technologies & services on 28 - 30 July 2023 at Hyderabad.
- The USGBC and GBCI announced India as a top country with LEED Zero green building projects having 45% share with 73 certified LEED zero projects.
- Ms. Rathnashree P, the Executive General Manager of LCES, delivered a thought-provoking TEDx talk titled "Cultivating a Culture of Energy Efficiency".
- Greenbuild will mark the 30th anniversary of U.S. Green Building Council's and introduce the latest version of LEED, held between 26-29 September 2023 at Washington DC.
- IWBI has approved LCES as Well Performance Testing Agency for their WELL Projects. One of the few consultancy firms to be providing this inhouse service to our clients

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KEMPEGOWDA INTERNATIONAL AIRPORT T2, BENGALURU

Kempe Gowda International Airport T2, Bengaluru with a built-up area of around 24.37 L sq. ft is awarded with "Platinum" Rating certification with 78 Points under IGBC Green New Building Rating System. The project has implemented the "Terminal in a Garden technology" which enhances the occupant connectivity with the natural environment. The project has installed "IOT based irrigation system" through which the exact amount of water will apply directly to the root zone, which will save nearly 40% of the total yearly water consumption. The project also proposed to purchase offsite green energy to cater 100% of the total annual energy consumption of the project. LCES feels proud to be part of this green journey.



NOIDA INTERNATIONAL AIRPORT, NOIDA

Noida International Airport is a prestigious project which is aspiring "Platinum & Gold rating" under multiple rating system having a built up area of 35.53 L sq. ft. The project is planning to have a maximum renewable energy usage (Both offsite & on-site) which helps in achieving the energy cost savings, leading to net zero energy. Also major emphasis given for rainwater harvesting and occupants well being. It is indeed a great pride for LCES family to be part of this unique journey.



REPLICABLE DESIGNS FOR THEMALLY COMFORTABLE AFFORDABLE HOUSING

The project focuses on the affordable housing sector which is also addressed by the PMAY-U scheme. The assignment is on developing replicable design options with the focus on thermal comfort. This project aimed to bring awareness and focus on thermal comfort for the occupants. LCES was involved mainly in performing simulation activities to evaluate the designs for thermal comfort. Each design was supported with simulation to assess the comfort conditions for the occupants. Close to 1000 simulations across different designs and residential building typologies were carried out for this project. All the results and the simulation models will be part of a webtool that will open to public in the days to come.

Mindtree, Kolkata

Mindtree, Kolkata with an area of around 0.5 L sq. ft is awarded "Platinum" Rating certification with 81 Points under the LEED CI v4 Rating system. 50% of the potable water is saved by using efficient water fixtures and reusing STP Treated wastewater. The building is designed so that the facility's projected energy consumption is 20% less than the conventional building. The facility is truly remarkable and a trendsetter for other global players. LCES feels proud to be part of this green journey



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CAPITALAND AT INTERNATIONAL TECH PARK, BENGALURU (ITPL)



MILESTONES



LCES conducted a detailed study on the overall power scenario for the whole ITPL campus to understand, evaluate and upgrade the existing AI Substation to a GI Substation and uptime availability of power to end users. The facility exists with a 220 / 11 KV air-insulated substation with 2 x 40 MVA, 220/ 11 KV power transformers and is feeding a demand of around 21.0 MVA with a power generating station in sync with the grid. The future demand projection overall demand of 92 MVA, which needs the existing 220/11 KV substation to be upgraded.

220kV Substation: Future demand of projection is around 71 MVA which constitutes the overall demand of 92 MVA which needs the existing 220/11 KV substation to upgrade as required. Existing AIS to be upgraded to Gas insulated switchgear is envisaged considering lower footprint and space constraints. Transformers proposed 220 kV / 11 kV – N + N configuration and capacity for SEZ and SEZ office space 2Nos of 60MVA and Datacenter 2Nos of 60kVA is proposed.

Meenakshi Pride Rock 2, Hyderabad

Meenakshi Pride Rock 2, Hyderabad with the BUA of around 21.46 lakhs ft² is achieved 62 points and awarded with “Gold Rating” under IGBC NB Rating system. Universal design features, Advanced energy meters, 17% overall energy saving and BMS integration were the key features. 100% STP treated wastewater reused for flushing and cooling tower. Use of local materials with high recycle content and IGBC certificated products. The facility is truly remarkable and a trend setter for other global players. LCES feels proud to be part of this green journey.



International Tech Park, Chennai

International Tech Park, Radial Road, Chennai with the BUA of around 20 L ft² is awarded with “Net zero Energy, waste & Water” under IGBC Net Zero Design Rating system. Industry best measures on Energy and water like 100% reuse and recharge of captured and treated storm water, efficient flow fixtures are the few key measures implemented. 34% reduction of energy consumption with EPI: 75.9 KW/yr./m² achieved using efficient light fixtures, HVAC equipment & façade glazing. The facility is truly remarkable and a trend setter for other global players. LCES feels proud to be part of this unique project by performing MEPF and sustainable design

