



Integrative Design Solutions Private Limited

172, Indraprastha Apartments, Pocket 3, Sector 12, Dwarka, New Delhi – 110075

Role in IDSPL: Energy Assessment Engineer

Family name: Anand

First name: Ankit

Date of birth: 08/04/1994

Nationality: Indian

Place of Residence: Delhi, India

Civil status: Married

Education:

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
Punjab College of Engineering and Technology (2012-2016)	Bachelor of Technology-Electrical Engineering

- **Key experience related to the project.**
- Conducted energy survey and data analysis in health institutions in various states for National hospital survey by PHFI.
- Conducted Energy Audit and performed energy performance analysis for UNICEF India, and Manipal University Jaipur
- Assisted in the Development of methodology for data assessment framework and for developing National Cooling Action Plan (NCAP) for ASEAN countries". The project is supported by UN ESCAP and UNEP considering mapping of cooling need and demand assessment across various cooling sectors, i.e. building space cooling, mobile air-conditioning, access to cooling, food and healthcare cold chains and process cooling. The data collection and assessment framework is getting piloted in Cambodia and Indonesia.
- -Assisted in the report preparation for "Guidelines and Best Practices For MSMES In Delivering Energy Efficient Products And Renewable Energy Equipment" for the UNECE region.
- Involved in the implementation of Near Zero Energy Retrofitting of United Nation House in Delhi. The work involved the implementation of energy-efficient strategies related to building envelope, lighting, air-conditioning, electrical systems, and rooftop photo-voltaic system.
- -Assisted in the Energy Conservation Building Code (ECBC) Cells in 12 states (Karnataka, Chhattisgarh, Kerala, Goa, Arunachal Pradesh, Assam, Meghalaya, Sikkim, Manipur, Mizoram, Nagaland and Tripura) and 5 Union Territories (Andaman & Nicobar Islands,

February 2023

Lakshadweep, Puducherry, Dadra & Nagar Haveli and Daman & Diu). The objectives of the ECBC Cell are to assist states and ULBs in implementing ECBC through government notifications, updation of building bye-laws/rules of ULBs, capacity building of stakeholders and development of ECBC compliant demonstration projects.

- **Specific professional experience in the region**

Country	Date from - Date to
India	June 2016-Present

Professional experience

Place	Date from - Date to	Role of Candidate	Details of the Project (e.g. clients, project value, status of the project, reference)
Integrative Design Solutions Private Limited, Delhi	July 2017-Present	Energy Engineer	<ul style="list-style-type: none"> • Conducted private and public hospital survey to map the energy footprint of the Indian Healthcare System, to assess the state of renewable energy deployment in healthcare and its potential to impact healthcare delivery. • Conducted Energy, environment and water audit and data analysis in UNICEF India Building. • Conducted Energy audit and data analysis in Manipal University Jaipur. • Assisted in the Development of “methodology for data assessment framework for developing National Cooling Action Plan (NCAP) for ASEAN countries”. The work involves data collection of cooling needs and demand across different cooling sectors like building space cooling, mobile air-conditioners, cold chains, refrigeration, and process cooling. • Supporting the development and implementation of 2000 watts Smart Cities (Self Sustainable urban settlement development concept) in Symbiosis Pune. • Assisted in the implementation of Near Zero Energy Retrofitting of United Nation House in Delhi. The work involved implementation of energy efficient strategies related to building envelope, lighting, air-conditioning, electrical systems, and rooftop photo-voltaic system. • Involved in the ‘energy auditing’ of Taj Hotel, New Delhi.

Place	Date from - Date to	Role of Candidate	Details of the Project (e.g. clients, project value, status of the project, reference)
			<ul style="list-style-type: none"> Assisted in the Energy Conservation Building Code (ECBC) Cells in 11 states (Karnataka, Chhattisgarh, Kerala, Arunachal Pradesh, Assam, Meghalaya, Sikkim, Manipur, Mizoram, Nagaland and Tripura) and 6 Union Territories (Andaman & Nicobar Islands, Lakshadweep, Puducherry, Dadra & Nagar Haveli, Daman & Diu and Goa). The assignment is funded under the UNDP-GEF-BEE project. The ECBC Cells has been mandated to work with Public Works Department and State Designated Agency to (a) Amend ECBC and ECBC rules to meet the state requirements; (b) develop energy-efficient demonstration projects; (c) updation of civil & electrical schedule of rates; (d) updating of building by-laws or General Development Control Rules (GDCR) to include state ECBC provisions and (e) capacity building and knowledge dissemination about ECBC with building sector stakeholders; (f) compilation of energy-efficient material and technologies directory; (g) implementation of ECBC compliance tool in synchronisation with ULB's building approval system; (h) coordination with state and municipal department to get connected to Energy Monitoring Information System (EMIS).

Language skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Hindi	1	1	1

Membership of professional bodies:

ASHRAE India Chapter

Other skills: (e.g. Computer literacy, etc.)

Autodesk AutoCAD (basic), Python (basic), Microsoft Word, Microsoft Excel, Microsoft Power point

Present position: Energy Engineer

Years within the firm: 5.5