



Sustainable Planning & Energy Consulting Firm
(An ESCO Company)

Capacity Statement

GreenTree Building Energy Private Limited

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Domestic Presence

New Delhi (Registered Office) | Mumbai
Kolkata | Lucknow

Global Presence

Bangladesh | Canada

GreenTree India

Green Building Design & Certification | EPC Contracting | Prepaid Metering Solution | Market Research



Real Estate Sector
Commercial & Res
Hotels & Healthcare
Datacenters



Industries
Process Units
Manufacturing
units



Energy Sector
Policy Framework
Energy
Efficiency/Audit
Renewable Energy



Software
Policy Tools
Energy Billing



Subsidiary Firms:
EPC Contracting
 CHRONOS
Energy Metering Solution
 Cypress

(Established in Jan, 2009)

2018 - 19

275+ Projects in 7 Countries

www.greentree.global

GreenTree India

Green Building Design & Certification | EPC Contracting | Prepaid Metering Solution | Market Research

- Energy Audit & ESCO Implementation
- Dual Source 3 ϕ and 1 ϕ Pre-paid Energy Metering Solution
- Green Building Design & Certification
 - Green Building Rating System – LEED (USGBC), GRIHA, IGBC, Green Star, Pearl Rating System
 - Energy Modeling & Analysis
 - Daylight and Solar Simulation
 - Energy Code Advisory Services
 - Computational Fluid Dynamics
- EPC Contract & Interior Fit outs



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275+ Projects

in

7 Countries

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Green Building Projects - Commercial



Project	GAIL RGMC Office
Rating	GRIHA 4 Star - Completed



Project	Oriflame Manufacturing Facility
Rating	LEED Gold - Completed



Project	Fortis Memorial Research Institute
Rating	GRIHA 4 Star - Completed



Project	CESPL Commercial Office
Rating	LEED (I) Platinum - Completed

Green Building Projects - Commercial



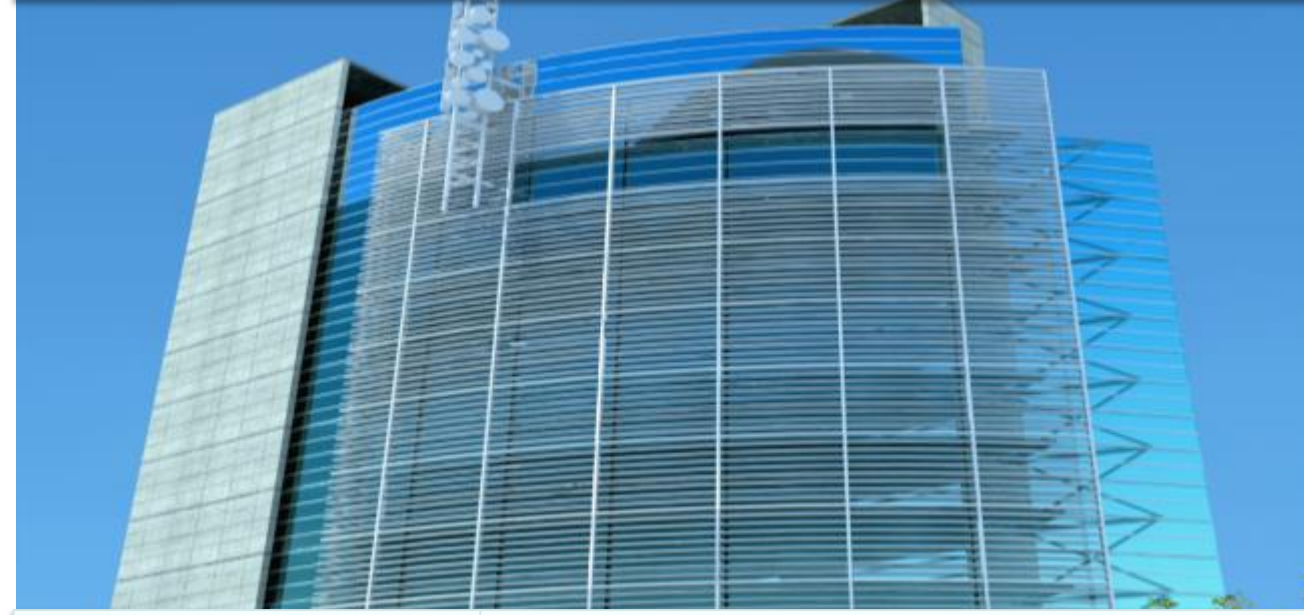
Project	Lotus Isle
Rating	GRIHA 5 Star Rating (Targeted)



Project	Mansion de Salam, Bangladesh
Rating	LEED - Gold (Targeted)



Project	Marriott, Nepal
Rating	LEED - Gold (Targeted)



Project	Palmal Office, Bangladesh
Rating	LEED - Gold (Targeted)

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Green Building Projects - Residential



Project	JM Orchid
Rating	IGBC Green Homes GOLD - Completed



Project	Ajnara Daffodil
Rating	IGBC Green Homes GOLD - Completed



Project	Elite Homz
Rating	IGBC Green Homes GOLD - Completed



Project	Home 121
Rating	IGBC Green Homes GOLD- Completed

Green Building Projects - Residential



Project	Lotus Arena II
Rating	GRIHA 4 Star - Pre-Certification



Project	ATS Knightsbridge
Rating	IGBC Green Homes GOLD - Pre-Certification



Project	Arihant Ambar
Rating	GRIHA 4 Star (Targeted)



Project	Nirala Aspire
Rating	GRIHA 4 Star (Targeted)

Green Building Projects - Institutional



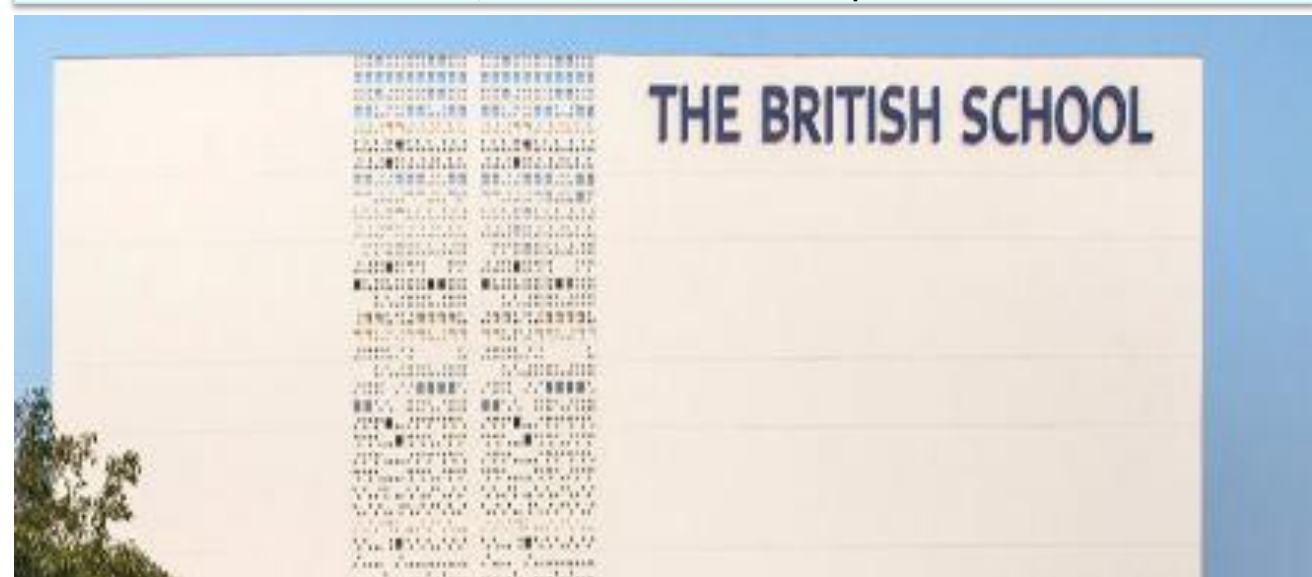
Project	IIT Delhi Lecture Hall Complex
Rating	GRIHA 4 Star - Completed



Project	University of Petroleum and Energy Studies
Rating	GRIHA 4 Star - Completed



Project	Guru Gobind Singh Indraprastha University
Rating	GRIHA 5 Star - Targeted



Project	The British School
Rating	GRIHA 4 Star - Pre-Certification

Green Building Projects - International



Project	Nokia Factory Building, Vietnam
Rating	LEED Silver - Completed

- **The Building saves around 19% electricity as compared to ASHRAE 90.1 Base case 2004.**
- **A world class high performance energy efficient iconic manufacturing building.**
- **Heat Recovery Systems are used to gain heat from exhaust air.**
- **Efficient lighting fixtures are installed which consume 40% less energy when compared with conventional fixtures.**

Project	SK Chemicals R&D Centre, Seoul
Rating	LEED Platinum - Completed



- **The Building saves around 40% electricity as compared to ASHRAE 90.1 Base case 2004.**
- **The building uses the DES (district energy system) facility to run the absorption cooling system.**
- **Geothermal space conditioning systems are installed.**

Green Building Projects - International

Project	SK Networks, Seoul
Rating	LEED Platinum - Completed

- **The Building saves around 28% energy as compared to ASHRAE 90.1 Base case 2004.**
- **Thermal Energy Storage systems are used to store energy during off peak hours.**
- **Efficient lighting fixtures are installed which consume 30% less energy when compared with conventional fixtures.**



Project	POSCO Power Mirae Center, Seoul
Rating	LEED Platinum - Completed

- **The Building saves around 39% energy as compared to ASHRAE 90.1 Base case 2007.**
- **Highly efficient VRV systems.**
- **Geothermal heat pumps also used to improve energy efficiency.**
- **Occupancy & Daylight sensors to further achieve energy savings in lighting energy.**

Energy Audit Projects



Project	Fortis Memorial Research Institute
Type of Facility	Healthcare



Project	Ajnara Corporate Building
Type of Facility	Commercial



Project	Fortis Shalimarbagh
Type of Facility	Healthcare



Project	BEE West Block Building
Type of Facility	Commercial

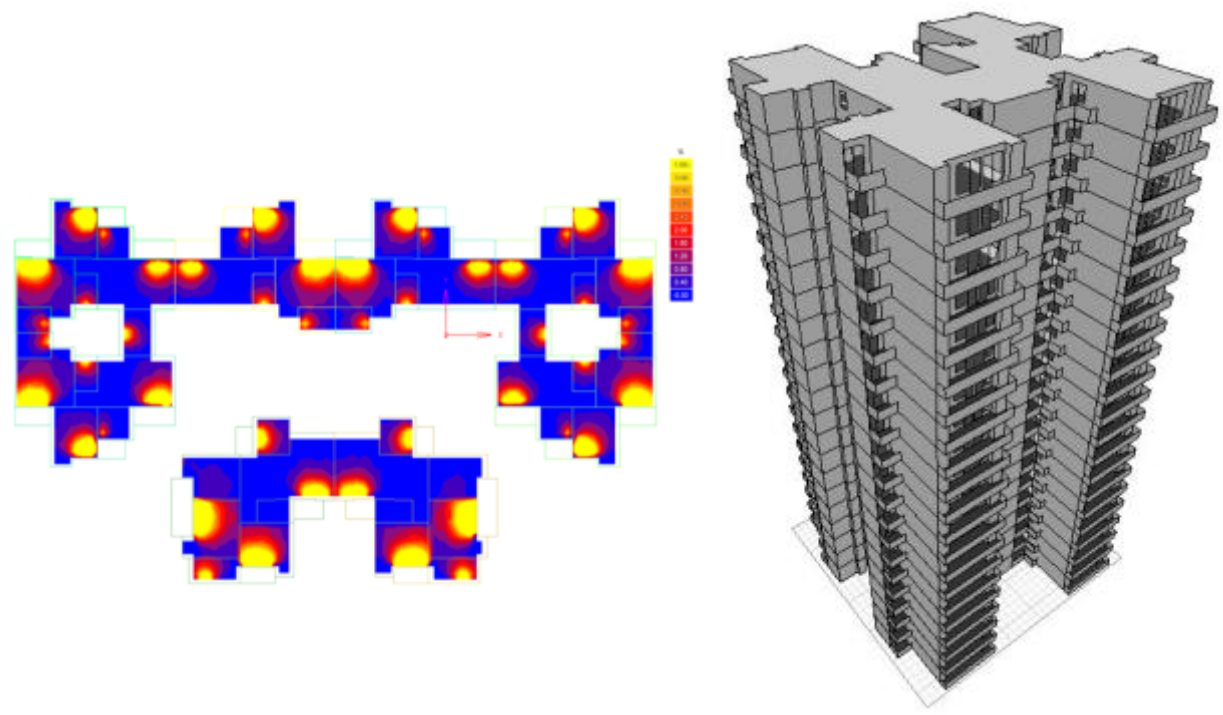
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275+ Projects in

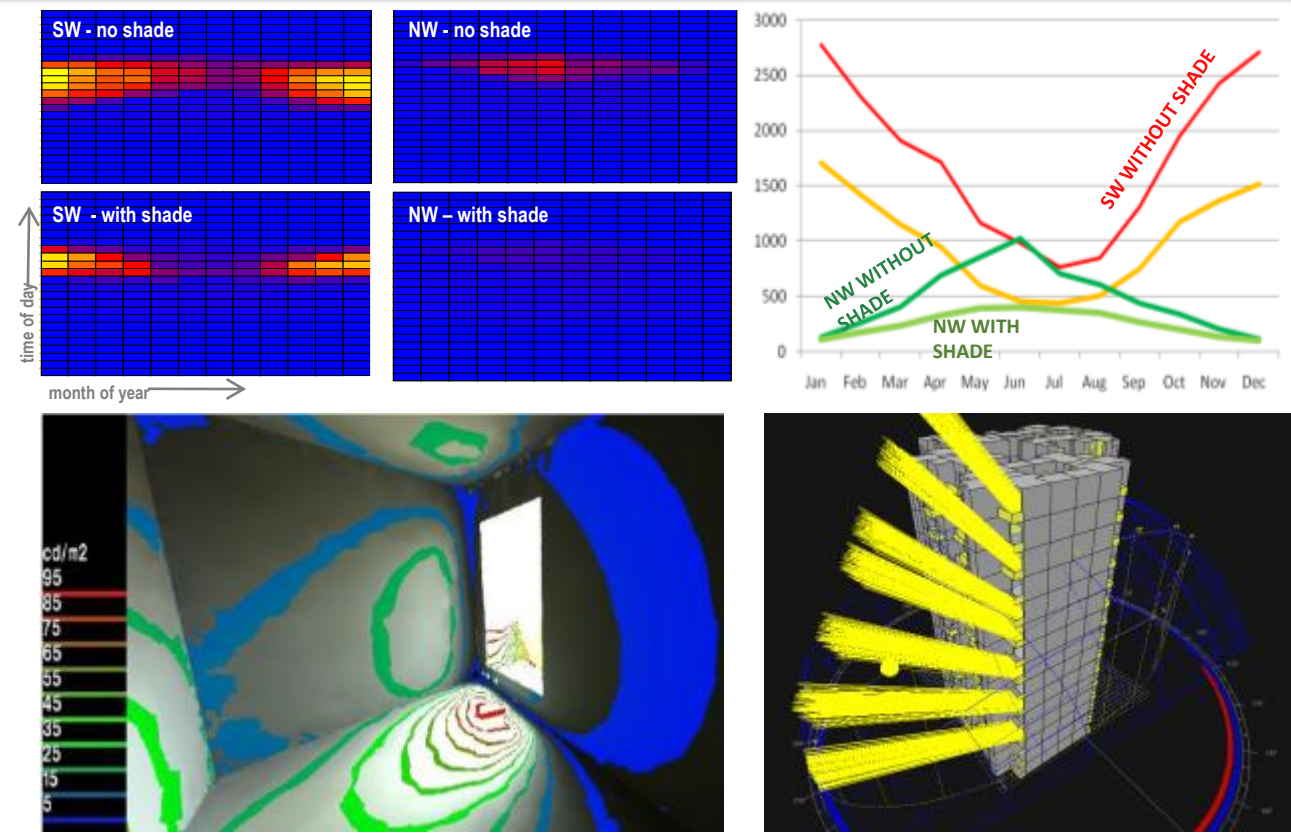
7 Countries

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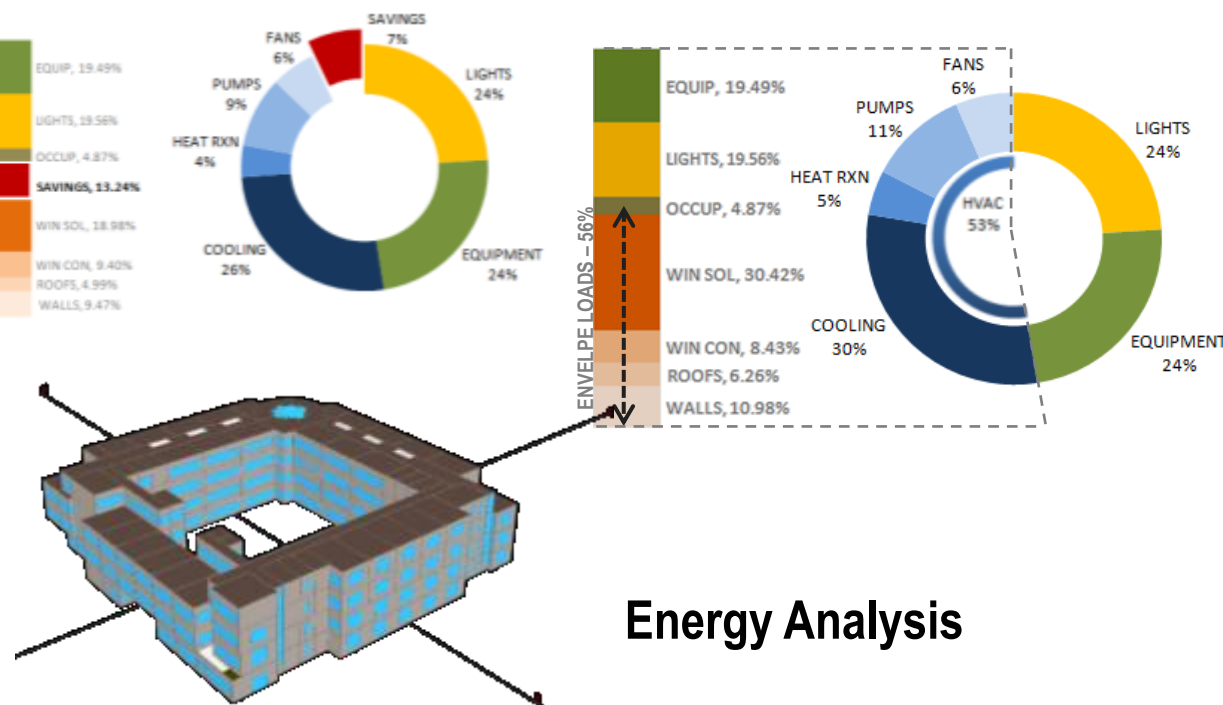
Simulation Tools Expertise



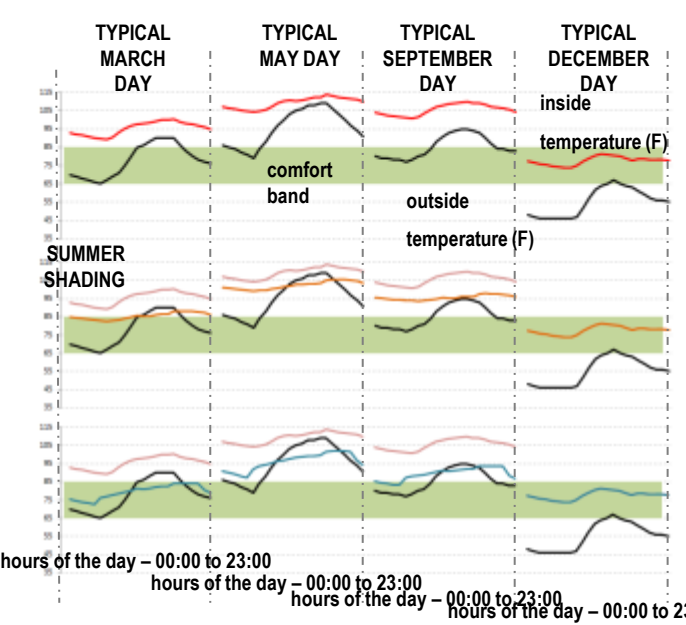
Daylight Analysis



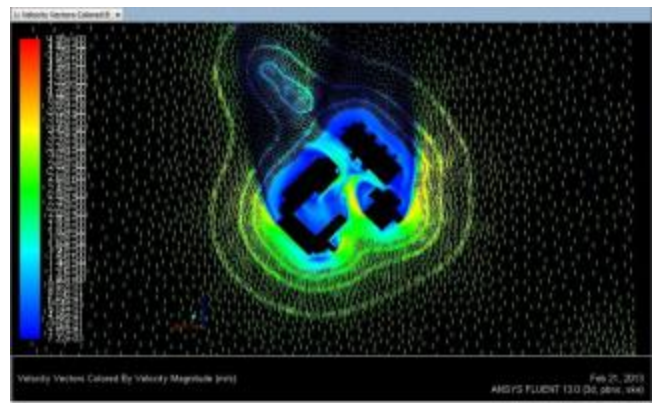
Glare & Shading Analysis



Energy Analysis





CFD Analysis




Products & Energy Software

ECOnirman & ECObench Tools




ECBC Conformance Check Tools

Energy Benchmarking



Click here

Online ECBC Conformance Check using the Prescriptive and Whole Building Performance Methods



Click here

Building Energy Benchmarking

Policy Development and Assistance

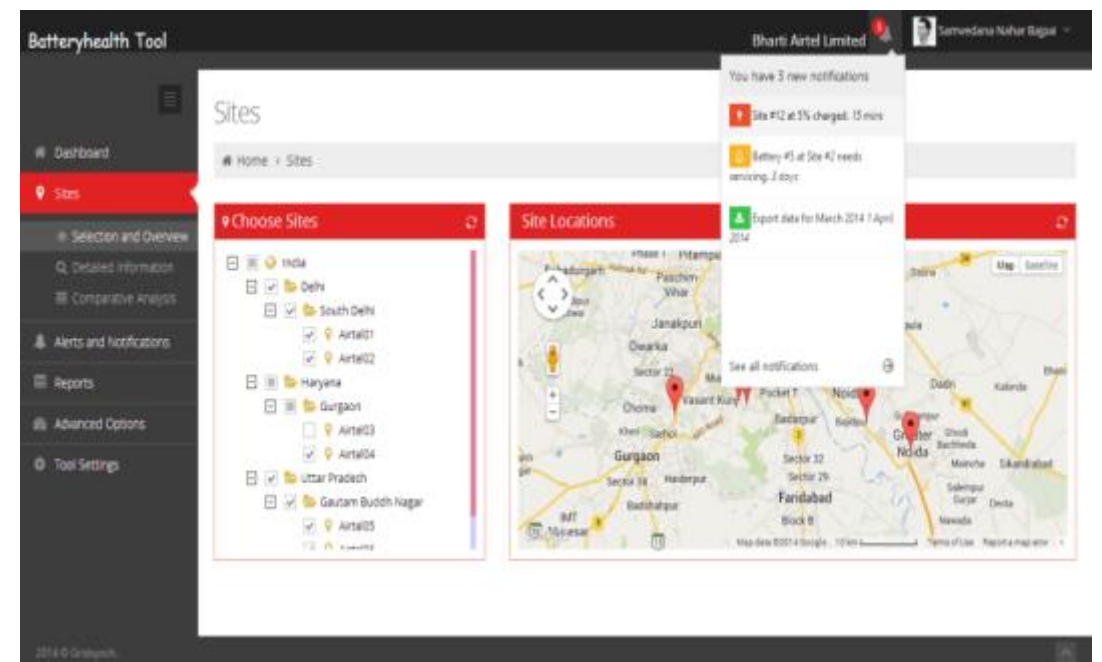
- ECBC Code Development for UPNEDA.
- ECBC Code Development for UREDA.
- Sector Specific Energy Conservation Plan Development For Mizoram.
- Amendment of ECBC by SDA for energy conservation in Assam.



Pre-paid Meters



Battery Health Monitoring Tool (Telesync)



Meet the Team

Team Size: 45

Member Credentials:

- **Empanelled ECBC Expert**
- **3 ECBC Master Trainer**
- **3 Certified M&V Professionals**
- **2 Energy Auditors**
- **8 IGBC APs**
- **3 LEED APs**
- **5 GRIHA CP & Evaluators**
- **2 EDGE APs**
- **2 WELL AP**



A Few Projects

Projects	Certification	Projects	Certification
University of Petroleum & Energy Studies, India	GRIHA - 4 Star	Service Building - 2 X 600 MW SCCL, India	GRIHA - 4 Star
Fortis Hospital, NCR	GRIHA - 3 Star	Vallabh Bhawan, India	GRIHA - 4 Star
Fortis Memorial Research Institute, NCR	GRIHA - 4 Star	New Terminal Building, Port Blair Air Port, India	GRIHA - 3 Star
Oriflame Factory Building, India	LEED - Gold	HAL Office Building, India	GRIHA - 3 Star
POSCO Power Mirae, South Korea	LEED - Platinum	UHBVN Office Building, India	IGBC NC - Platinum
SK Chemicals, South Korea	LEED - Gold	Extension of IGNOU Campus, NCR	GRIHA - 4 Star
SKN Head Office, South Korea	LEED - Platinum	IGNOU Regional Centre, India	GRIHA - 3 Star
Nokia Factory Building, Vietnam	LEED - Silver	MES 505 Workshop, NCR	GRIHA - 3 Star
JM Orchid, NCR	IGBC - Gold	Broadway, New Zealand	Green Star
Skytech Matrott, NCR	IGBC - Gold	Building C, New Zealand	Green Star
KT Cheongjin, South Korea	LEED - Gold	DSIIDC 200 bedded hospital, NCR	GRIHA - 3 Star
Lecture Theatre cum Lab Complex, IIT Delhi	GRIHA - 4 Star	ISM Dhanbad, India	GRIHA - 3 Star
Elite Homz, NCR	IGBC - Gold	Panchsheel Pratistha Group Housing, NCR	IGBC - Gold
Jewel of Noida, NCR	IGBC - Gold	Ellersile Junction, New Zealand	Green Star
Assotech Blith Group Housing, NCR	IGBC - Gold	NIT Rourkela, India	GRIHA - 3 Star
Lotus Arena 2, NCR	GRIHA - 4 Star	NRL Corporate Office, India	GRIHA - 4 Star
The British School, NCR	GRIHA - 5 Star	UPNEDA Training Centre, India	Net Zero Building and ECBC
Office Building for Minarch Overseas, NCR	LEED India - Gold	Lotus Arena 1, NCR	GRIHA - 4 Star
Office Building for Four Star Reality, NCR	LEED India - Gold	Indian Institute of Agricultural Biotechnology, (MECON) India	GRIHA - 4 Star
GAIL (India) Limited office building, India	GRIHA - 3 Star	New Delhi District Court, NCR	GRIHA - 3 Star
Homes 121, NCR	IGBC - Gold	Ormiston Primary School, New Zealand	Green Star
Ajnara Daffodil, NCR	IGBC - Gold	Flat Bush Stage 4, New Zealand	Green Star
JM Aroma, NCR	IGBC - Gold	Carlton Gore, New Zealand	Green Star
N2 - Tower 5,6 and 7, NCR	IGBC - Gold	Katmandu Church, New Zealand	Green Star
Trinity NX, NCR	IGBC - Platinum	Flat Bush Stage 5, New Zealand	Green Star
Mansion 'de Salam, Bangladesh	LEED - Gold	Vodafone Stage 1, New Zealand	Green Star
Marriott Hotel, Nepal	LEED - Gold	96 SGBR, New Zealand	Green Star
Palmal Group, Bangladesh	LEED - Gold	46 Sale Street, New Zealand	Green Star
GGSIPU, NCR	GRIHA - 5 Star	Building A, New Zealand	Green Star
Police Residential Complex, NCR	GRIHA - 4 Star	Hopetoun ST Apartment, New Zealand	Green Star

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A Few Projects

Projects	Certification	Projects	Certification
Nirala Aspire, NCR	GRIHA - 4 Star	ATS IT/ITES Building at Sector 135, NCR	IGBC - Gold
Surgical Block AIIMS ,NCR	GRIHA - 3 Star	Arihant Abode, NCR	GRIHA - 4 Star
Lotus Isle, NCR	IGBC - Gold	SimpleTree Lighthouse, Bangladesh	LEED - Gold
Emergency Hospital Safdarjung (Ahluwalia), NCR	GRIHA - 3 Star	National Cancer Institute AIIMS (Shapoorji), India	GRIHA - 3 Star
Flat Bush School, New Zealand	Green Star	Ranchi High Court, India	GRIHA - 3 Star
Ford Lofts, New Zealand	Green Star	Arihant Housing at Sector-10, NCR	IGBC - Gold
Pavna Residence, India	GRIHA - 3 Star	CESPL Office Building, NCR	LEED (I) - Platinum
New Annexe Building of NABARD, India	GRIHA - 3 Star	ATS Kinghtsbridge Commercial, NCR	IGBC - Gold
JM Florence, NCR	GRIHA - 4 Star	Capital Athena, NCR	IGBC - Gold
MLN College Super Speciality Block, India	GRIHA - 3 Star	IT/ITES Facility, NCR	GRIHA - 3 Star
Hallswell School, New Zealand	Green Star	Ajnara Grand Heritage, NCR	IGBC - Gold
Lee House, New Zealand	Green Star	Royal Nest, NCR	IGBC - Gold
150 Lichfield, New Zealand	Green Star	ATS Le Grandiose, NCR	IGBC - Gold
Safdarjung Super Specialty Block (L&T), NCR	GRIHA - 3 Star	ATS Pristine Golf Villas, NCR	IGBC - Gold
NIT Puducherry, India	GRIHA - 3 Star	Indosam 75, NCR	IGBC - Gold
1 X 500 MW Service Building NTPC, India	GRIHA - 3 Star	Arihant Amber, NCR	GRIHA - 4 Star
Assam House, NCR	GRIHA - 3 Star	Sanskar Jyoti School, NCR	IGBC - Gold
Mansions HQ, New Zealand	Green Star	Corinthia, NCR	GRIHA - 4 Star
Integrated Office Terminal Building at Ahmedabad, Amritsar, Bhubaneswar, Guwahati & Lucknow	GRIHA - 3 Star	Namo City 36, NCR	GRIHA - 4 Star
Gardenia Gateway, Plot 9	IGBC - Gold	Ajnara Homes, NCR	IGBC - Gold
Renuka Renaissance, India	IGBC - Gold	Ajnara Le Garden, NCR	IGBC - Gold
Vijaywada Airport Terminal Building, India	GRIHA - 3 Star	3 X 660 MW NTPC North Karanpura, India	GRIHA - 3 Star
Knit and RMG Factory, Bangladesh	LEED - Gold	IOCL Kaso Building, India	GRIHA - 5 Star
DMRC Residential Development, NCR	GRIHA - 4 Star	Gardenia Gateway, Plot 10, India	IGBC - Gold
Rajiv Gupta Residence, NCR	IGBC - Gold	AAI Passenger Terminal Building, India	GRIHA - 3 Star
Ikebana, NCR	IGBC - Gold	Botnia, NCR	IGBC - Gold
Golf Greens, NCR	IGBC - Gold	52 Sale Street, New Zealand	Green Star
AG Poly & Fibre Industries, Dhaka	LEED - Gold	Rotutuna, New Zealand	Green Star
New Van Bhawan, Bhopal	GRIHA - 3 Star	Hamlin Heights, New Zealand	Green Star

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