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**Envitecture  
Building Sustainability  
Solutions LLP**

Jaysingpur | Pune | Mumbai | New Delhi

- **Energy Efficient Buildings are a hallmark of economically sound business decisions, thoughtful environmental decisions, and smart human impact decisions. “Green Building Design” is gaining prominence in India with effective project management skills to overcome the economic impact that may be caused to foster a “true green building”.**
- These are the buildings that ensure that waste in the form of energy, money and resource is minimized at every stage during the construction and operation of the building, resulting in low costs, time bound and efficient project completion. They ensure to maximize the use of renewable energy and sustainable building products to help devise the energy management for a building on the supply as well as the demand side.
- *The goal as a company is to have customers service that is not just the best but legendary!*
- At “ENVITECTURE” we practice it by serving our customers with integrated services including project management which covers planning, designing, construction; Sustainability management for demand side as well as supply side, also we serve with waste management and last but not the least HVAC consultancy.

## Our Strengths

- **Combined project experience of over 250 energy efficiency & green building projects.**
- **Un-beatable team in terms of expertise and experience.**
- **Clients spanning government, semi-government and private sectors.**
- **Multi-scale project experience (single residences to large campuses/townships), commercial, industrial, infrastructural, spanning every conceivable climate zone of India, and every conceivable terrain type.**
- **Thorough understanding of documentation process for any green building certification (IGBC, GRIHA, Eco Housing Scheme etc.).**
- **Complete understanding about NBC, ECBC etc. design specifications.**
- **Computational and theoretical expertise in thermal, visual comfort analysis, HVAC designing, Renewable and Energy Efficient systems design and sizing.**

## Current Projects

- **Super-specialized orthopedic surgery Hospital, New Delhi**
- **Institute for Buddhist Studies, Sherda, Sikkim**
- **Ministry of Agriculture Building, Bhubaneswar, Odisha**
- **Farmhouse in Chattarpur, Delhi**
- **Residence in Greater Kailash Part 1, New Delhi**
- **Software Technology Park of India, Lucknow**
- **IISER Administration Block, Kolkata**
- **IISER Lecture Theater Block, Kolkata**
- **Central Customs and Excise Department Building, Mumbai**

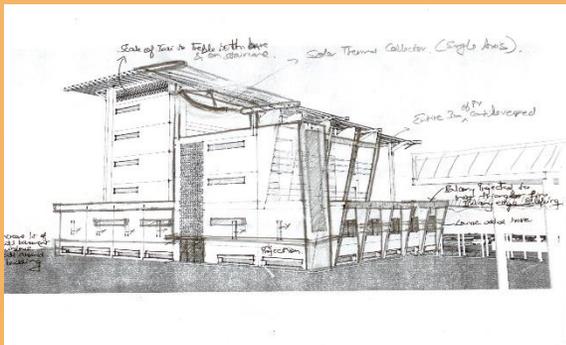
## Current Projects

- **PSG Medical College cum Hospital building, Coimbatore, Tamil Nadu**
- **IIT-Delhi Lecture Theater Block (99A), New Delhi**
- **IIT-Delhi Engineering Blocks 99B & 99C, New Delhi**
- **IIT-Delhi – Extension campus, Sonapat, Haryana**
- **PSG College of Information Technology and Applied Research, Coimbatore, Tamil Nadu**
- **School of Planning and Architecture, New Delhi - Hostel and Residential Complex - Audit and Retrofit (academic exercise)**

## Some Past Projects

- **Commonwealth Games Village 2011, New Delhi**
- **Huda City Centre Metro Station, Delhi Metro Rail Corporation**
- **Ministry Of Health & Family Welfare (Six AIIMS-Like Institutions across India)**
- **Ministry of Agriculture Head Quarters, Bhubaneswar**
- **Residential School in Bhutan.**
- **New Building-Sciences Department block, MNIT, Jaipur**
- **DMRC Metro Station, Bhikaji Cama Place, New Delhi**
- **MNRE-sponsored Green Campus Master Plan for Dayalbagh Educational Institute, Agra, U.P.**
- **MNRE-sponsored Green Campus Master Plan for SPA, New Delhi.**

## Green Building Design & Certification



GRIHA, LEED, IGBC, ECBC Code Compliance.

Green Master Planning, Large-scale low carbon systems.

Design Analysis, Orientation, Shading, Natural Ventilation.

Thermal Comfort Studies, Energy Modelling, Building Physics, Daylight Design, Artificial Lighting Design, Modelling and Simulation

Solar PV and Thermal Systems, Biomass Systems, Wind Systems.

# Green Building Consultancy

**DEMAND SIDE MANAGEMENT:** Using specialized computer simulation software for optimizing the resource demand of a building via Visual comfort optimization and thermal comfort optimization addressing

- Passive Design Analysis
- Visual and Thermal Comfort Optimization
- Water Consumption Optimization (based on calculations)
- Low Energy M.E.P systems (detailed below)

**SUPPLY SIDE MANAGEMENT:** Looking at alternative sources of supply for resources such as energy and water.

- Renewable Energy Systems sizing
- Feasibility studies and detailed project reports
- Project and system design
- Rainwater Harvesting systems
- Water recycling and supply systems

**SOLID WASTE MANAGEMENT:** Strategies for proper waste management, following the principles of waste to wealth.

**RENEWABLE ENERGY TECHNOLOGY APPLICATIONS:** Feasibility studies and detailed project reports, Project and system design.

# Architecture & Engineering



Planning, Designing & Constructing Residential / Commercial / Industrial / Hospitality / Infrastructure projects.

Energy Efficient, Ecological, Budget Friendly MEP & HVAC System Designing & Contracting.

# MEP / HVAC Design Consultancy

## HVAC CONSULTANCY

- Conventional Air handling, refrigerant, chilled water systems
- Simulations model based System Designing
- Heat pumps and Solar Coupled VAM
- Hybrid Systems
- Modern Geo-exchange and hydronic system
- Smoke & Normal Ventilation
- Mechanical Plant Renovation
- Staircase, Lift-well & Lift-lobby Pressurization Systems
- Kitchen Ventilation
- Clean room and Hospital Air-conditioning
- Precision Air-conditioning for Data Centers and Server Rooms
- VAV-based Air Distribution System and Demand and Control Ventilation
- Heat Recovery Systems & Fresh Air Systems
- Thermal Storage

## LIGHTING DESIGN CONSULTANCY

- Architectural Lighting Designing
- External Lighting Design
- Facade Lighting Design
- Interior Lighting Design
- Sports Lighting Design
- Auditorium Lighting Design
- Landscape Lighting Design
- Security Lighting Design
- Lighting Controls (Automation), Controls layout
- Utilize Energy Efficient Lighting System
- Solar Street Lighting Systems

# MEP / HVAC Design Consultancy

### ELECTRICAL ENGINEERING

- Infrastructure Engineering
- Substations
- Power Generation and Backup - DG Sets, Gas Engines, Gas Turbines
- Internal and External Power Distribution
- Emergency Power Systems - UPS, Inverter
- Power Quality/ Conditioning Design
- Earthing & Grounding Systems
- Lightning Protection

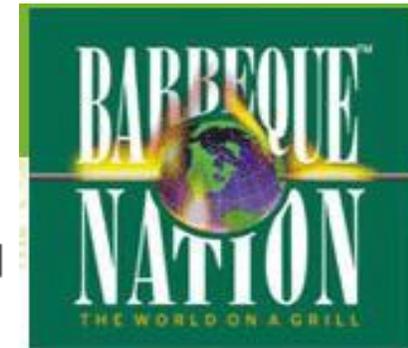
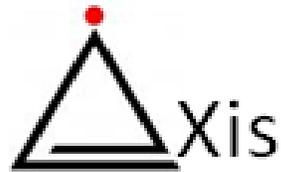
### PUBLIC HEALTH (PLUMBING)

- Water Supply
- Sewerage and Drainage System
- Storm Water Systems
- Rain Water Harvesting
- Boiler Systems - Hot Water Generation
- Internal and External Plumbing
- Sewage Treatment Plants
- Pumps and Piping
- Water Treatment Plants
- Solar Hot Water Generation

### FIRE-FIGHTING

- Fire Sprinkler System
- Fire Hydrant Systems
- External & Internal Fire Fighting
- Wet Riser System
- Dry Riser System
- Deluge Systems
- Fire Pumps & Piping
- Potable Fire Extinguishers

# CLIENTELE



# CONTACT



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