

Esscons

MEP & Engineering Design Services
(Formerly known as **SHREEJI Consultancy**)



Introduction

Established in the year 2009 as Electrical Consultant by Mr. Indravadan Vala has grown exponentially into a MEP Consultant with a Team of passionate and Experienced Engineers whose services are made to fit to Client's needs



Our Values

- Customer satisfaction and loyalty
- Technical excellence with professional
- Organizational and individual growth
- Responsibility to society



Vision

Establish “ESSCONS” as an internationally respected MEP & Engineering Design Consultant offering comprehensive solution



Mission

To be a reputed MEP & Engineering Design Consultant, provide technically excellent and innovative solutions and operate with local office Pan-India 2028 & across the Globe by 2033



OUR SERVICES CAN BE WIDELY CATEGORIZED AS...

- Pneumatic System
- HVAC System Design
- Electrical Service from HT to LT
- Plumbing Health Engineering
- Fire Fighting & Fire Detection System
- IT & ELV Service (IT, Data, Voice, CCTV, PA, Fire Alarm, Access Control, etc.)
- MEP Central Utilities Design
- External Drainage, Sewage and Storm water systems
- IBMS, Integration of MEPF & LV Building Systems
- Façade Lighting Design (Façade Lighting design modeling and Simulation)
- Integrated design solution to all forms of building and planning projects.
- MGPS (Medical Gas Pipeline System)

WE HAVE COMPLETED ASSIGNMENTS INCLUDING...

- Township projects,
- Industrial Projects,
- Road illumination Projects,
- Façade Lighting
- Landscape Projects,
- Interior Projects,
- Institutional & Hotels
- Large Hospitals
- Showroom, offices and Bungalows

Our Strengths...

- Value driven organization, Integrity and uprightness.
- Adaptability to handle diverse projects
- Familiarity with Indian & international standards
- Worked with well-known Industries, architects, technology suppliers, consultants
- Quality checks and quality assurance.
- Expertise in project management, planning and control.
- Cost efficiency and No wastages.
- Design as per safety norms.

Our Strengths...

At ESSCONS, we offer a wide array of engineering design services and solutions.

We support our public and private sector clients in a diverse range of projects at every stage, from conceptualization and financial feasibility study to project completion and beyond.

Together with our design team at ESSCONS, we offer integrated engineering design solutions to all forms of building and planning projects.

We have always endeavoured to provide state-of-the-art technology and cost effective solutions to our clients.

We constantly upgrade our knowledge with latest technical developments.

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Our Services...

To support our public and private sector clients in a diverse range of projects, Following are services we provide.

But it is not limited to the list.

Our Services

- Various Detailed Engineering Calculation
- Detailed Drawings with Latest CAD Drafting Facility,
- BIM Modelling
- Design Validation
- Tendering
 - Preparation of Bill of Material, Abstract Sheet
 - Preparation of Technical Bid with Detailed Material Specification
 - Analysis of Technical bid & Price Bid



Pneumatics

- Compressed/ Vacuum Air Piping
- Pneumatic System

Mechanical System (HVAC)

- HVAC Systems
- Central Utility Plants
- Mechanical Ventilation System
- Building Automation Systems



Electrical

- Utility Service & Power Distribution Systems
- Emergency/standby Power Generation Systems
- Cogeneration Systems
- Short Circuit & Coordination Studies
- Capacity & Demand Analysis

Plumbing

- Drainage & Sanitary Systems
- Domestic Water Systems
- Storm Water Management Systems
- Black water & Grey water Systems



Fire Protection

- Wet and Dry Type Fire Protection Systems
- Fire Suppression Systems
- Fire Pumps & Standpipe Systems
- Fire Safety Audits

Infrastructure

- Exterior lighting systems
- MEP Central Utilities Design
- External Drainage, Sewage and Storm water systems



IT & ELV

- IT & Networking Systems
- Telephone & Intercom Systems
- Fire Detection Systems
- Public Address Systems
- Access Control Systems
- Security & Surveillances Systems
- ICT Systems
- Professional Audio-Visual System for Theatres & Auditorium



IBMS

- Integration of MEPF & LV Building Systems
- Energy Analysis & Monitoring

Lighting Design

- Interior Lighting & Controls
- Exterior Lighting & Controls
- Façade Lighting design modelling and Simulation
- Sound & Light Show
- Stage Lighting



MGPS

- Medical Gas Plants
- Bed Head Units, ICU & OT Pendants
- Nurse Call System,
- Piped Distribution System
- Gas Alarm System
- Isolation & Cut off Valves



Testing & Commissioning

- Commissioning plans and reports
- Construction submittal review
- Retro-commissioning

Site Supervision & Site Visits

- Periodic Site Super Vision
- Fulltime Site Supervisor



Deliverable & Responsibilities

Our role is to plan systems required and ensure the execution as per the final approved drawings and monitoring the work by visiting the site at regular intervals during the progress of the work and apprising the client of the status of the work and cost involved from time to time.

Conceptual stage

- Preparation of DBR
- Preliminary costing
- Space allocation drawing for all the services in all the floors

The conceptual stage submissions shall be prepared after the preliminary discussions with the client and further coordination with the Architects. The same shall be presented to the client for a sign off.



Statutory drawings stage

- Fire sanction drawings
- Electricity board submission drawings
- Water & Sewerage board drawings
- PCB drawings along with feasibility report for submission.
- MOEF Submission data and drawings to assist the EIA preparation.

The drawings shall be issued in soft copy. Hard copies printing and submission to the concerned authorities shall be made by the client. The Architectural drawings and other statutory drawings and details required shall be provided by the Architect to prepare the above mentioned drawings.



Tender stage

- Bill of quantities with specifications,
- Estimates & BOQ Preparation
- Technical specifications
- Tender purpose drawings

The soft copies of the same shall be mailed to the Architect/ Client/ PMC to issue it to the vendors. If the consultant is required to issue the hard copies of the same it shall be made so at additional cost.



Execution/ GFC drawings stage

- Space Requirement Drawings
- Slab sleeves and cut-out drawings during the Construction stage.
- Good for Construction drawings for all internal works
- GFC drawings for all external works for all disciplines as mentioned in the scope of works
- Typical & Specific details

The drawings shall be issued after due coordination with the architects. Sets of GFC drawings shall be issued.



Work execution stage

- Works shall be checked periodically and technical inputs shall be provided to the site team to ensure good quality of work executed.
- Addressing queries/ issues raised
- Certification of all the as built drawings, O & M manuals and operational procedure documents submitted by the vendors at the time of completion of works.



