

D M B STM

**DESIGN MAX
BUILDING SERVICES**



DESIGN MAX BUILDING SERVICES

HVAC | Electrical | Plumbing
Fire Fighting BMS | Energy Audit

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ABOUT US

Design Max Building Services stands as a distinguished MEP (Mechanical, Electrical, Plumbing, and Fire Fighting) consultancy firm committed to delivering unparalleled building solutions. Our paramount objective is to provide bespoke and optimized solutions tailored to meet the unique needs of each project.

At DMBS, our unwavering focus is directed towards the realization of high-quality, cost-effective, and energy-efficient implementations of services. This commitment is upheld through the engagement of a team comprising skilled and seasoned professionals who contribute to the organizational ethos.

Within our establishment, a cohort of qualified and experienced engineers collaborates synergistically to ensure the successful execution of projects. Our technical team is further fortified by the inclusion of highly educated and technically authenticated professors specializing in the fields of Mechanical and Electrical engineering.

The spectrum of our design portfolio encompasses a diverse array of projects, spanning across Hotels, Hospitals, Offices, Commercial Projects, Shopping Complexes, and Residential undertakings. Through meticulous planning and expertise, DMBS consistently strives to exceed industry standards and client expectations.

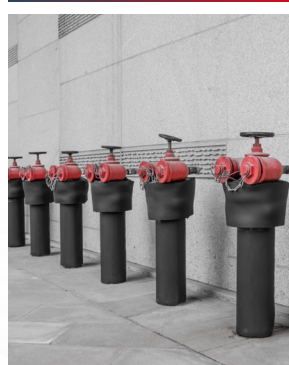
Leaders in MEP Solutions Innovative Design, Impeccable Execution



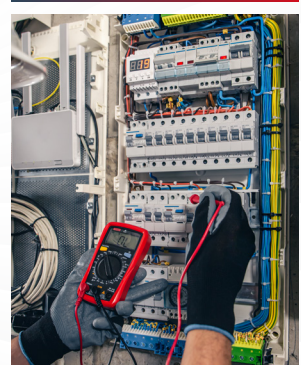
HVAC Design



Plumbing Design



Fire Fighting Design



Electrical Design



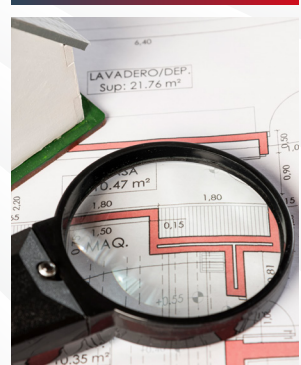
**Quantity Surveying/
Audit**



Estimation



Tendering



**Quality Audit
of Site**



OUR MISSION & VISION

Our mission is to establish a reputation as a provider of quality, high-standard, energy-efficient, and reliable consultancy services in the building services design industry.

Aligned with this mission, our vision is to attain 100% customer satisfaction by consistently delivering services characterized by quality, efficiency, and effectiveness.

We firmly believe in the boundless potential for improvement within our scope, and we are unwaveringly committed to elevating our achievements to new heights. As we experience growth, we are dedicated to maintaining a continuous upward trajectory.

Our guiding principles for development encompass a commitment to excellence, the cultivation of trust and confidence, a focus on innovation, transparency in all our endeavors, and a dedication to effective teamwork.

Furthermore, our core beliefs revolve around the principles of collective responsibility, professionalism, and ethics. We are devoted to adding significant value to the needs of our clients, reflecting our unwavering commitment to the highest standards of service.

PRINCIPAL CONSULTANT

Salman Choudhary

MBA (Operations), B.Tech (Mechanical)

Salman Choudhary, our Director, brings a wealth of expertise to the field of Mechanical (HVAC & PHE) Design Engineering with a total work experience spanning 12 years. His key qualifications and skills include:

►►► **Design Expertise**

Specialized in the design of air conditioning, Plumbing, Fire Fighting & ventilation systems.

►►► **Hands-On Experience**

Proficient in working with various Plumbing, Fire fighting, HVAC systems such as Central systems, Split units, Package units, Chilled Water units, VRF's, Mini Split, and Window units.

►►► **High-Pressure Efficiency**

Demonstrates the ability to work effectively in high-pressure environments.

►►► **HVAC Load Calculation:**

Possesses strong knowledge of Plumbing, Fire fighting, HVAC load calculation using HAP 4.50 (Hourly Analysis Program).

►►► **AutoCAD Proficiency:**

Skilled in working on AutoCAD for design and drafting purposes.

►►► **Regulatory Compliance:**

Well-versed in relevant standards, codes, procedures, and industry practices.

►►► **Drawing Interpretation:**

Exhibits broad knowledge in reading and interpreting engineering drawings.

►►► **System Selection:**

Possesses extensive knowledge of system selection and is adept at producing AutoCAD drawings.

►►► **Interpersonal Skills:**

Demonstrates strong interpersonal and communication skills, coupled with creativity and an excellent attitude towards teamwork and the achievement of common goals.



PRINCIPAL CONSULTANT

Mohd. Javed

Electrical Engineer (Design & Planning)

B.E. in Electrical Engineering with First Division from Jamia Millia Islamia.

Mohd. Javed, an accomplished Electrical Engineer specializing in Design and Planning, holds a Bachelor's degree in Electrical Engineering with First Division honors from Jamia Millia Islamia. With a solid foundation and 10 years of extensive experience, he has been actively engaged in detailed designing for various Electrical Works, including projects in Group Housing, Residential, Industrial, Interior, and Plotted Developments.

▶▶▶ **Design Expertise**

Specialized in detailed design using AutoCAD, Revit, and MS Office Software.

▶▶▶ **Planning and Estimation**

Proficient in the preparation of drawings and other design data, including Circuit and Load Calculation, Design Basis Reports, and Electrical Power Single Line Diagrams.

▶▶▶ **Earthing Design**

Fundamental understanding and preparation of Earthing Single Line Diagrams.

▶▶▶ **Equipment Selection**

Electrical equipment selection, sizing, and protection.

▶▶▶ **Cable Systems**

Selection, sizing, and routing of cables.

▶▶▶ **Technical Calculations**

Proficient in voltage drop calculation and fault calculation.

▶▶▶ **BOQ and Estimation**

Preparation of Bill of Quantities (BOQ) and estimation.

▶▶▶ **IT Networking**

Design of passive components of IT Networking.

▶▶▶ **Security Systems**

Design of security systems, including Access control doors, CCTV, Fire detection, and P.A. Systems.

▶▶▶ **Sub-Station Layouts**

Preparation of Electrical Sub-Station Equipment Layouts.

▶▶▶ **Layout Planning**

Development of Earthing and External Lighting Layouts, Cable Tray, Raceway Routing & Size Calculation Layouts, and Coordinated Layouts.



PRINCIPAL CONSULTANT

Mohd Naushad

PHE & MEP Engineer

Mohd Naushad is a seasoned PHE and MEP Engineer with an impressive track record spanning over 22 years. His wealth of experience and deep expertise in plumbing, sanitary engineering, and MEP systems make him an invaluable asset to our team.

▶▶▶ **Plumbing System Expertise**

Extensive experience in designing, installing, and maintaining plumbing systems for diverse projects.

▶▶▶ **MEP Integration Mastery**

Comprehensive understanding of MEP systems, ensuring integration for optimal functionality and sustainability.

▶▶▶ **Effective Project Management**

Proven track record in project management, overseeing planning, budgeting, and execution.

▶▶▶ **Innovative Design Solutions**

Innovative approach to PHE and MEP design, addressing complex engineering challenges with creativity.

▶▶▶ **Regulatory Compliance Assurance**

Prioritization of regulatory compliance to enhance safety, efficiency, and environmental performance.

▶▶▶ **Client-Centric Approach**

Commitment to exceeding client expectations through tailored solutions and close collaboration.

▶▶▶ **Leadership and Mentorship**

Passion for mentorship and leadership, fostering continuous learning and development within teams.

▶▶▶ **Proactive Risk Management**

Proactive risk management to ensure project continuity and minimize disruptions.

▶▶▶ **Cost Optimization Strategies**

Skill in cost optimization, evaluating cost-effective solutions to maximize project value.



SENIOR MANAGER

Sudhir Tanwar, Senior Manager (MEP)

Diploma in Engineering (Mechanical)

Sudhir Tanwar a Senior Manager (MEP) with a Diploma in Engineering (Mechanical), possesses a comprehensive skill set and diverse competencies in the field of Mechanical (MEP) Design and Execution Engineering. With over 12 years of dedicated work experience, Sudhir Tanwar excels in various aspects of the industry.

►►► Design Expertise

Specialized in the design of air conditioning and ventilation systems.

►►► Hands-On Experience

Proficient in the execution of HVAC systems, including Central systems, Split units, Package units, Chilled Water units, VRF's, Mini Split, and Window units.

►►► Adaptability to Pressure

Demonstrates the ability to work effectively in high-pressure environments.

►►► AutoCAD Proficiency

Strong knowledge and hands-on experience in working with AutoCAD.

►►► Regulatory Knowledge

Well-versed in relevant standards, codes, procedures, and industry practices.

►►► Drawing Interpretation:

Possesses broad knowledge in reading and interpreting engineering drawings.

►►► System Selection

Demonstrates extensive knowledge in system selection and production of AutoCAD drawings.

►►► Interpersonal Skills

Exhibits strong interpersonal and communication skills, creativity, and an excellent attitude towards teamwork and achieving common goals.

►►► Technical Expertise

Water cooled and Air cooled chillers. • Chilled water and condenser water pumps.
• AHU with and without heat recovery unit, AHU. • Water cooled fan coil unit.
• Cooling towers • VAV-S, VAV-E • VRV System
• Precision unit, Split unit, Window Air conditioner, packaged air conditioner.
• Ventilation fans (smoke extract fans / staircase pressurization fan/refuse fans
• Ducting installation (G.I, Stainless steel, rectangular ,round, spiral type)
• Ducting cleaning and leakage testing. • ACU- Air coil unit
• Chilled water piping (ERW Pipes, threaded pipes)
• Chilled water flushing & chemical treatment. • BMS System.

OUR ENGINEERING TEAM

Mr. Salman Choudhary

B.Tech (Mechanical)
M.B.A. (Operations)

Specialisation:

HVAC Plumbing & Firefighting Design Building Management System Design MEP Co-ordination

Experience:

12 Yrs

Mr. Mohd. Javed

B.E. (Electrical)

Specialisation:

Designing of Complete Electrical systems including LV services Preparation of BOQ & estimate

Experience:

12 Yrs

Sudhir Tanwar

Diploma in Engineering (Mechanical)

Specialisation:

MEP Planning & Estimation

Experience:

14 Yrs

Md.Arshi

Diploma in Engineering (Mechanical)

Specialisation:

MEP coordination & Drafting

Experience:

10 Yrs

Hifzul Khan

B.Tech Mechanical

Specialisation:

MEP planning

Experience:

6 Yrs

Mr. Mohd. Naushad

B.Tech Civil Engineer

Specialisation:

PHE & MEP Engineer

Experience:

22 Yrs

Mr. Mohd. Kaif

B.Tech Mechanical

Specialisation:

MEP planning

Experience:

2 Yrs

OUR TEAM OVERVIEW

TEAM OVERVIEW

Our team consists of

15	Dedicated Professionals	8	Skilled CAD Draftsmen	5	Proficient Engineers	2	Administrative Staff Members
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They work collaboratively to support our engineering endeavors.

KEY TEAM COMPOSITION

CAD Draftsmen (8):

Our skilled draftsmen bring precision and expertise to the creation of detailed engineering drawings, ensuring accuracy and efficiency in our projects.

Engineers (5):

Our seasoned engineers contribute their wealth of knowledge and experience to various aspects of our projects, from design and analysis to implementation and management.

Administrative Staff (2):

Our dedicated administrative staff members provide essential support, ensuring smooth operations and effective communication within our team and with our clients.

PARTNERSHIPS

In addition to our core team, we have established partnerships with highly experienced professionals who serve as associates, providing invaluable assistance and expertise in specialized areas. These partnerships enhance our capabilities and enable us to deliver comprehensive solutions to our clients.

INFRASTRUCTURE AND RESOURCES

Office Infrastructure

We consult for high-end technology implementation at clients' site or implementation of new technology according to the clients' requirement or upgrading, enhancing the existing facilities in the clients end.

Human Resources

Beside the design and development expertise in diverse platforms, best-of-breed tools and techniques, combined with industry best practices, DMBS offers scalable end-to-end application development and management solutions

Computer Aided Design And Drafting (CADD)

Attempting to bring MEP Design and Drafting together, can be really taxing on budget - thanks to the high demand for quality resources. A well-executed MEP Design and Draft becomes the lifeline of a building. But compromising on quality MEP design and drafting services can increase budgets leading to unexpected expenditure during execution.



AREAS OF EXPERTISE

HVAC

Air Conditioning System using following

- Central Chilled Water System with Water Cooled & Air Cooled Chillers
- Primary & Variable Secondary Chilled Water System.
- Primary Variable Chilled Water System.
- Variable Refrigerant Flow (VRF) System.
- Water Cooled & Air Cooled Package Unit System.
- Ductable Split Unit System.
- Mechanical Ventilation system.
- Evaporative Cooling System.
- Smoke Evacuation System.
- Winter Heating

PHE & FIRE

Plumbing And Sanitary Services & Fire Fighting Services

- Pumping & Hydro-pneumatic Pumping System
- Hot & Cold Water Distribution System
- Centralized Steam Boilers & Hot Water Generation
- Steam Supply & Condensate Recovery
- Heat Recovery Through Heat Pumps
- Water & Waste Water Treatment
- Sewage Treatment Plant, Tertiary Treatment & Re-Cycling
- Rainwater Harvesting
- Solar Hot Water & Heat Recovery System
- Fire Fighting System Including Pumping, Wet Risers, Sprinklers & Water Curtain System.

ELECTRICAL

- HT Metering, HT Breakers, HT Cabling & Earthing, Transformers
- LT Breakers, LT Isolators & LT Panel.
- Bus Duct, Rising Main, Mains & Sub Mains
- Electrical Network – Internal & External
- Solar Lighting System
- Emergency Power Generation System
- Un-interrupted Power Supply (UPS) System

LOW VOLTAGE

- Fire Detection & Alarm System
- Public Address System
- Telephone & Data Infrastructure
- Building Management System
- Security System

LIST OF PROJECTS (COMPLETED & ONGOING)

1. Super specialty hospital, 300 Bedded-**Client NDMC**
2. Yashwant palace-**Client NDMC**
3. Vidyut Bhawan-**Client NDMC**
4. Indira Niketan Hostel-**Client NDMC**
5. JPN library-**Client NDMC**
6. School of Excellence-**Client NDMC**
7. NG Site-**Client Defence Research and Development Organisation**
8. Parachute Complex-**Client Defence Research and Development Organisation**
9. C&C Facility-**Client Defence Research and Development Organisation**
10. NASM -**Client Defence Research and Development Organisation**
11. RDC -**Client Defence Research and Development Organisation**
12. Bonded Storage -**Client Defence Research and Development Organisation**
13. Igloo -**Client Defence Research and Development Organisation**
14. DIAT -**Client Defence Research and Development Organisation**
15. Airport Terminal Building at Jamnagar-**Client AAI**
16. BEU Hotels-**Client Lvyue hotels Pvt Ltd.**
17. Metro Museum-**Client DMRC**
18. During COVID 19 pandemic we successfully able to design and deliver MEP services for
 - 18.1) **Sardar Vallabhbhai Patel COVID hospital in Delhi** (1000 oxygenated beds) within a time period of design and built of 20 days approx.
 - 18.2) **Jumbo COVID Hospital in Pune** (800 oxygenated beds) within a time period of design and built of 20 days approx.
 - 18.3) 400 Bedded Covid Hospital, Rishikesh
 - 18.4) 200 Bedded Covid Hospital, Imphal

LIST OF PROJECTS (COMPLETED & ONGOING)

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19. JCM Cinemas, **Client-Jaiswal Infrabuild Pvt. Ltd.**
 20. DMRC Kashmere Gate (Retrofit), **Client- CIS**
 21. DMRC V. Vidyalaya (Retrofit), **Client- CIS**
 22. Mothersons (Retrofit), **Client-Mothersons**
 23. NIL Kolkata, **Client Defence Research and Development Organisation**
 24. OTM 12 Acre, **Client Defence Research and Development Organisation**
 25. Sports Complex at Agra, **Client Defence Research and Development Organisation**
 26. 7H Mall ,**Client-DRDO Jaiswal Infrabuild Pvt. Ltd.**
 27. ADS Cinemas, **Client-Mr Ashok Gupta**
 28. Rock Cinemas, **Client- Mr. Rakesh Sharma**
 29. ACEM Complex at Nasik, **Client Defence Research and Development Organisation**
 30. Global Platinum Housing, **Client- Global Developer**
 31. Global Garden Housing, **Client- Global Developer**
 32. 23Acre Housing, **Client Defence Research and Development Organisation**
 33. GCNEP Bahadurgarh, **Client-DAE**

SITE VIEW



CLIENTELE



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दिल्ली मेट्रो रेल कॉर्पोरेशन लिमिटेड
Delhi Metro Rail Corporation Limited



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