www.asimep.in

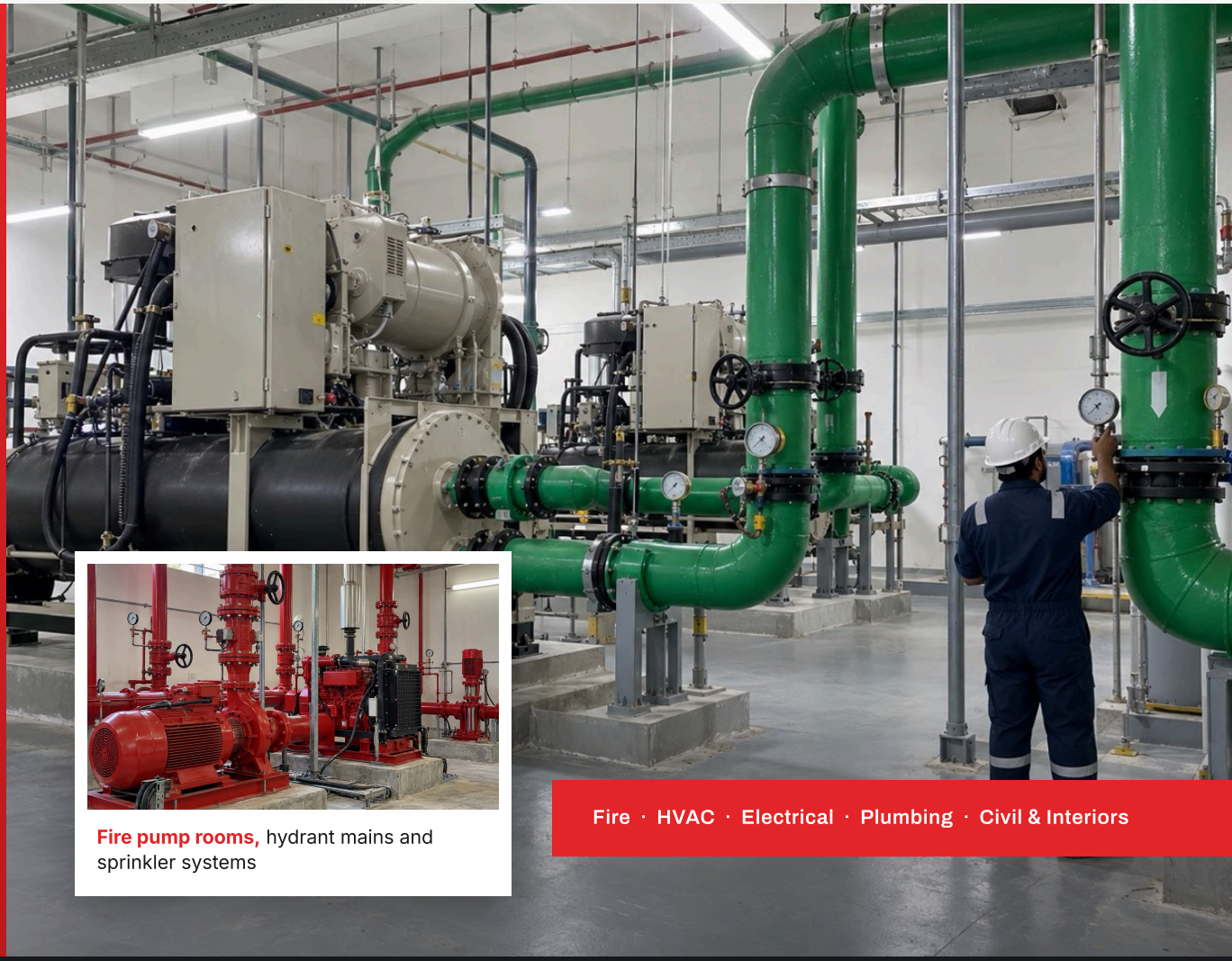
ASI | MEP CONSTRUCTION WORKS
EXCELLENCE IN ENGINEERING

Company Profile 2026

Design-and-build MEP contractor, Chennai. Est. 2022

Established 2022

ASI MEP Construction Works



Fire pump rooms, hydrant mains and sprinkler systems

Fire · HVAC · Electrical · Plumbing · Civil & Interiors

DESIGN · ENGINEERING · CONSTRUCTION · MAINTENANCE

CHENNAI, INDIA

Company Overview

ASI MEP Construction Works is a design-and-build MEP contractor based in Vadapalani, Chennai, established on 24 November 2022. We design, supply, install, test and commission fire protection, HVAC, electrical and plumbing systems for industrial and commercial projects, together with the civil works, interior fit-out, steelwork and utility piping these projects need.

Clients can award the full MEP package as one contract, or take a single service alongside their own consultants and contractors. Our work so far covers plant civil works, utility yards, LT panel rooms, office floors and atrium buildings.

Scope	Fire, HVAC, electrical, plumbing, civil, interiors, steel and plant utilities
Sectors	Industrial plants, utility yards, offices and commercial buildings
Aftercare	AMC with scheduled visits and breakdown attendance after handover

CONTENTS

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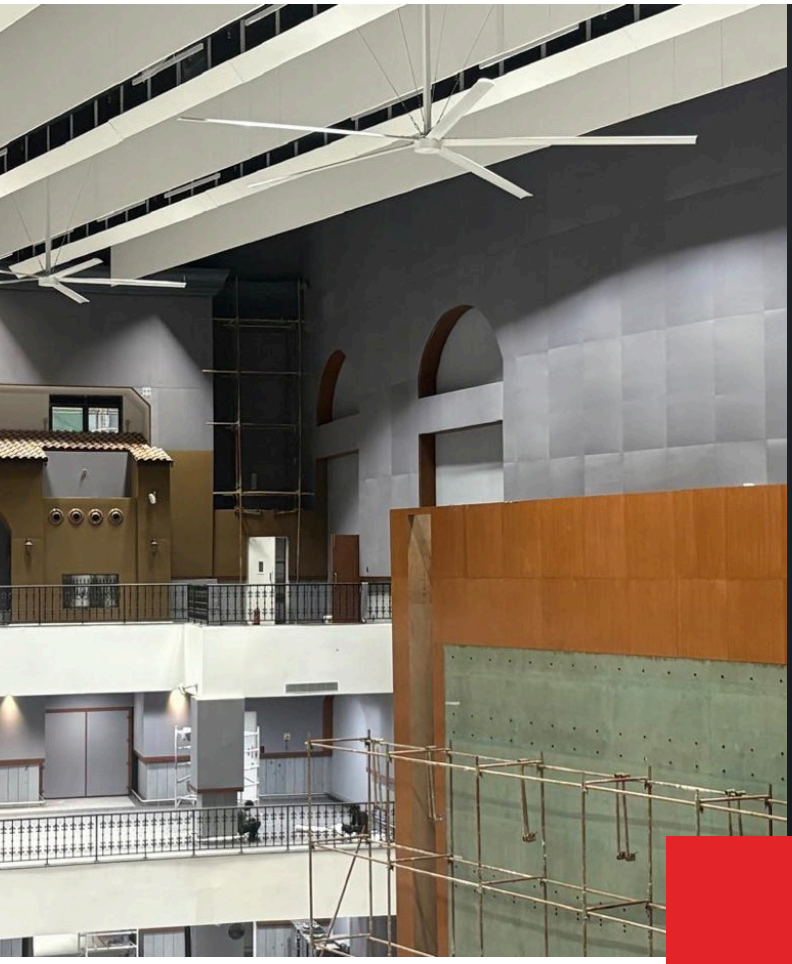


About Company

MEP design, engineering and construction since 2022

The company is run by its Managing Director, Dinesh Kumar C, from our office on Arcot Road, Vadapalani. Work is split between three teams: design and estimation, site execution, and maintenance.

Our scope on a project covers site study, estimation and BOQ, design coordination, procurement, installation and supervision, and testing, commissioning and handover.



On a typical project we visit the site, note the loads, levels and existing services, and send an itemised BOQ with proposed makes. Drawings are then coordinated with the architect and structural consultant before material is ordered.

Installation is supervised on site against the approved drawings. Concealed work, such as buried fire mains, slab sleeves and conduits, is inspected and recorded before it is covered.

Before handover, fire mains are hydro-tested, cables insulation-tested, earth pits measured and pumps, fans and panels run under load. Each result is recorded with a date and signature. Maintenance can then continue under an AMC.

01

Design and estimation

Calculations, drawings, equipment selection and BOQ before procurement

02

Site execution

Procurement, site supervision, coordination with other trades and testing

03

Maintenance and AMC

Scheduled maintenance visits, breakdown attendance and service records

MEP Design & Construction

ESTABLISHED

2022

24 November, Chennai

SERVICE LINES

13

MEP, civil, interiors and utilities

PROJECT STAGES

6

Site study to handover

SELECTED CLIENTS

6

Listed on page 19

Office: No. 158, Gulecha Towers, 2nd Floor, Arcot Road, Vadapalani, Chennai 600026

Fire | HVAC | Electrical | Plumbing | Civil & Interiors | Utilities

Core Values



How we work on site

These are the site rules and checks we apply on each contract. The permit register, material inspection records, test sheets and combined services drawing are kept on site and open to the client.

Safety

The site engineer checks the permit to work, isolation and PPE before each job starts.

Quality

Materials checked against the approved make and data sheet on delivery, with the delivery note kept in the project file.

Coordination

Duct, pipe, cable tray and structure drawn together and checked for clashes before installation starts.

Correct sizing

Equipment selected from heat-load, electrical and hydraulic calculations, with the sheets shared with the client.

Our Vision

To be a trusted MEP engineering and construction partner for industrial and commercial projects.

Our Mission

To deliver safe, efficient and quality MEP solutions through engineering expertise, disciplined execution and responsive service.



01

Engineering

Sizing from load and hydraulic calculations

02

Execution

Supervised installation and recorded tests

03

Service

AMC and breakdown visits after handover

Our Services

Thirteen service lines covering building services, civil and interior works, structural steel, plant utilities, and maintenance after handover.

D-00
MEP design & engineering

FP-01
Fire protection & alarm

M-01
HVAC & ventilation

E-01
Electrical works

P-01
Plumbing & public health

ELV-01
ELV & security

WT-01
Water & wastewater treatment

C-01
Civil & interior works

S-01
Structural steel

PP-01
Utility & process piping

ME-01
Equipment erection

PG-01
Fuel & gas systems

OM-01
Maintenance (AMC)

The following pages list the scope of each service, with buildings, handover documents and codes for the main trades.



FP-01

Fire Protection & Alarm

Hydrant, sprinkler, fire alarm and fire pump systems



We install hydrant and hose reel systems, sprinklers, fire alarm and fire pump rooms. Fire mains are hydro-tested and flushed before handover. Pumps are commissioned on auto through the jockey, electric and diesel start sequence.



SCOPE OF WORK

- Hydrant ring mains, yard hydrants and hose reels
- Automatic sprinkler systems
- Electric, diesel and jockey fire pumps
- Pump room headers, valves and controls
- Conventional and addressable fire alarm
- Detectors, manual call points and hooters
- Internal hydrants and landing valves
- Hydrostatic testing and commissioning

TYPICAL BUILDINGS

Factories, warehouses, utility yards, fuel storage areas, offices and commercial buildings

HANDOVER DOCUMENTS

Hydro-test and flushing records, pump test sheets, as-builts, documents for TNFRS NOC and licence

CODES FOLLOWED

NBC 2016 Part 4, IS 15105, IS 13039, IS 2189, NFPA 13, 14, 20 and 72

M-01

HVAC & Ventilation

Ducted, cassette and ventilation systems sized from heat-load calculations



We design and install air-conditioning and ventilation for offices, atriums and factory buildings. Scope covers equipment selection, GI ductwork, refrigerant and drain piping, fresh air and exhaust. Airflow and room temperatures are recorded against design.



SCOPE OF WORK

- Heat-load calculation and equipment selection
- Cassette and ducted split units
- GI ductwork, grilles and diffusers
- Duct and pipe insulation
- Copper refrigerant and condensate piping
- Fresh air, exhaust and toilet ventilation
- HVLS fans for high-volume spaces
- Testing, balancing and commissioning

TYPICAL BUILDINGS

Office floors, multi-level atriums, factory floors and plant support buildings

HANDOVER DOCUMENTS

Heat-load sheets, equipment schedule, airflow and temperature readings, as-builts, O&M manuals

CODES FOLLOWED

NBC 2016 Part 8, ECBC 2017, ASHRAE 62.1 and ASHRAE 90.1

E-01

Electrical Works

LT distribution, cabling, lighting and earthing



We install LT panels, power and control cabling, cable trays, lighting and earthing. Circuits are IR-tested and earth pits measured before energising. Drawings and test records are prepared for Electrical Inspectorate submission.

- LT panels and distribution boards
- Power and control cabling
- Cable trays, raceways and conduits
- Internal and external lighting
- Small power and socket outlets
- Earth pits and earthing conductors
- Single-line diagrams and load schedules
- IR, earth resistance and panel tests

Codes followed: IS 732, IS 3043, CEA Safety and Electric Supply Regulations, 2023



ELV-01

ELV & Security

CCTV, access control, data and PA cabling, run in separate containment from power cables and shown on the services drawing.

- CCTV cameras and recorders
- Access control and attendance
- Structured data cabling
- Public address system
- Network racks and patch panels
- Cable testing and labelling



P-01

Plumbing & Public Health

Water supply, drainage and sanitary work, with pipes sized from fixture-unit calculations. Supply lines are pressure-tested and drains water-tested before concealing.

- Cold water supply and distribution
- Hydro-pneumatic pumping sets
- Soil, waste and vent piping
- Sanitary fixtures and washroom fit-out
- Storm water drainage
- Pressure and water tests before concealing

WT-01

Water Treatment

Treatment plant for process and domestic water. We install filter vessels, pumps, dosing and interconnecting piping, then flush, commission and record water test results.

- Multigrade and activated carbon filters
- Softeners and RO units
- Dosing systems and transfer pumps
- Raw and treated water piping
- Backwash and drain connections
- Commissioning and water test reports





C-01

Civil & Interior Works

Civil works for plants and service buildings, and interior fit-out for offices and commercial floors. Sleeves, inserts and ceiling levels are set out from the MEP drawings before concrete is poured or ceilings are closed.

- Raft and footing reinforcement and concrete
- Storm water drains, chambers and trenches
- Equipment plinths and internal roads
- Gypsum and grid false ceilings
- Partitions, glazing and doors
- Flooring, tiling and painting
- Office and washroom fit-out

S-01

Structural Steel

Steel structures for plant and building services. Members are fabricated to approved drawings, painted and erected, with alignment and bolts checked before sheeting.

- Roof trusses, portal frames and purlins
- Roof and wall sheeting
- Pipe racks and cable tray supports
- Access platforms, ladders and walkways
- Equipment supports and skids
- Surface preparation and painting



Industrial Utilities

Piping, equipment erection and fuel systems for manufacturing plants



PP-01

Utility & Process Piping

Utility lines for production areas, fabricated to the client's specification, pressure-tested and labelled.

- Compressed air lines
- Cooling and process water lines
- Pump headers and manifolds
- Hydrostatic and pneumatic tests



ME-01

Equipment Erection

Plant equipment set on its foundation, levelled, aligned and grouted, with pre-commissioning checks recorded.

- Cooling towers
- Pump sets and filtration skids
- Air compressors
- Alignment and grouting records



PG-01

Fuel Systems

Diesel storage and transfer for DG sets and process use, with drawings for licensing under the Petroleum Rules 2002.

- HSD storage tanks
- Transfer pumps and day tanks
- Fuel piping to DG sets
- Leak and pressure tests

Codes followed: ASME B31.3, IS 10987 (petroleum storage tanks), Petroleum Rules 2002, manufacturer's installation manuals

D-00

Design & Engineering

Calculations, drawings and BOQ before procurement

We prepare heat-load, electrical load, voltage-drop and hydraulic calculations, equipment schedules and an itemised BOQ. Design can be taken on its own, with the drawings and BOQ used for tendering.

- Heat-load and air-quantity calculations
- Electrical load, cable sizing and voltage drop
- Pump head and pipe sizing calculations
- Equipment schedules and data sheets
- Itemised BOQ and cost estimate
- Combined services and as-built drawings





OM-01

Maintenance (AMC)

We maintain fire, HVAC, electrical and plumbing systems under annual contracts. Each visit follows the manufacturer's schedule and ends with a service report left on site. Systems installed by others are inspected first, with a written defect list.

Comprehensive
Scheduled visits, breakdown calls and spares included

Non-comprehensive
Scheduled visits and breakdown calls; spares quoted

Takeover survey
Inspection of systems by others, with defects and costs

Each visit covers
Pump runs, panel checks, filter cleaning, alarm tests

Where We Work

Manufacturing plants
Fire, electrical, utility piping and civil

Plant utility yards
Filtration, cooling towers, pumps, HSD tanks

Industrial site works
Rafts, drains, trenches, roads, steel sheds

Office floors
Ducted AC, lighting, cable trays, fire alarm

Atrium buildings
Air-conditioning, HVLS fans and lighting

Amenity blocks
Washrooms, water supply and pressure pumping



Most of our work to date is in manufacturing plants and commercial buildings. For other building types we quote after a site visit and a review of the drawings.

Project Stages

We follow the same six stages on each contract. Each stage ends with a document the client can review before the next one starts.



01

Requirement and site study

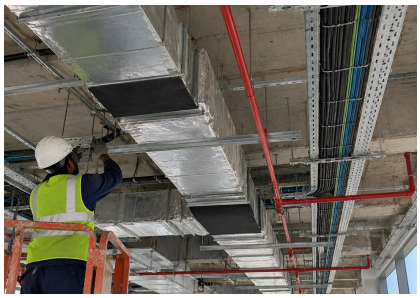
Site visit to record loads, operating hours, existing services and access. Site notes issued.



02

Estimation and BOQ

Itemised BOQ with specifications and proposed makes, issued with a programme and milestones.



03

Engineering and coordination

Calculations, drawings and equipment schedules, issued for the client's approval before ordering.



04

Procurement and materials

Material submittals for approval, deliveries planned to the programme, checked on arrival.



05

Installation and supervision

Work supervised by our site engineer under permit to work, with progress reports and stage inspections.



06

Testing and handover

Pressure, IR, earth and flow tests recorded. Handover with as-builts, O&M manuals and operator training.

Documents by stage

Documents issued by stage: site notes, BOQ and programme, approved drawings, material submittals, inspection records, then the signed test and handover file.

Quality, Safety & Codes

QUALITY

Each project runs to an inspection and test plan agreed with the client. Materials are checked against approved makes on delivery, work is inspected before ceilings close or trenches are backfilled, and each test is recorded with a date and signature.

SAFETY

Hot work, work at height and electrical work are carried out under a permit to work, with isolation and lock-out before any panel is opened. Site teams wear PPE, attend toolbox talks and barricade open trenches. Work areas are cleared each shift.



Design & codes

Our design and installation refer to these Indian codes, with the international equivalents:

Indian standards	International equivalents
IS 15105, Sprinklers	NFPA 13, Sprinkler systems
IS 13039, External hydrants	NFPA 24, Private fire mains
IS 12469, Fire pumps	NFPA 20, Stationary fire pumps
IS 2189, Fire detection and alarm	NFPA 72, Fire alarm and signalling
IS 732, Electrical wiring	IEC 60364, LV installations
IS 3043, Earthing	BS 7430, Earthing
NBC 2016 Part 8, Building services	ASHRAE 62.1, Ventilation

TESTS WE CARRY OUT

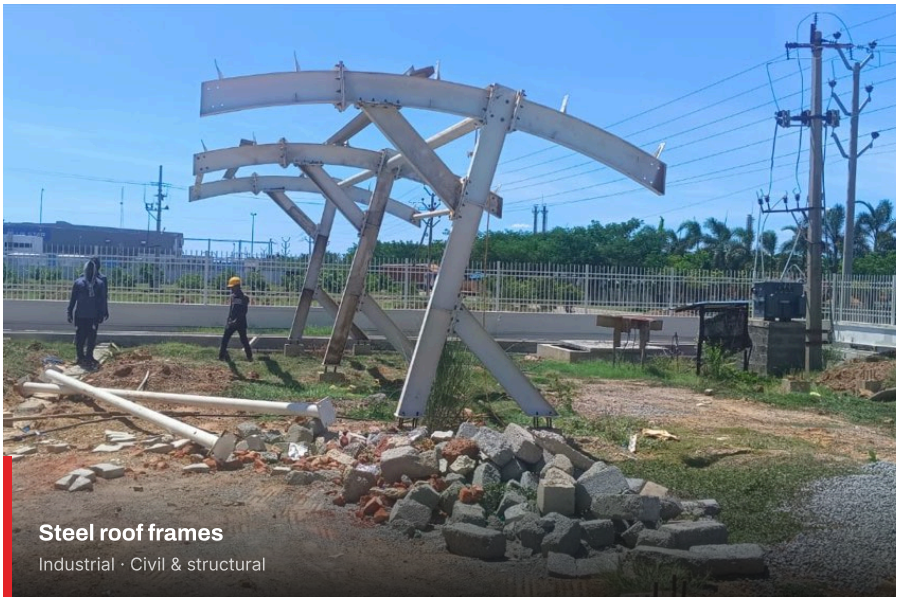
Fire main hydrostatic test	1.5 x maximum working pressure for 2 hours, or per project spec
Fire pump commissioning	Running test at rated flow; diesel auto-start and fail-to-start alarm
Insulation resistance test	Megger test of cables and panels before energising
Earth resistance test	Each earth pit measured against the project specification
Plumbing pressure test	Supply lines held at test pressure; drains water-tested
HVAC testing and balancing	Airflow at grilles and room temperatures recorded against design

AT HANDOVER YOU RECEIVE

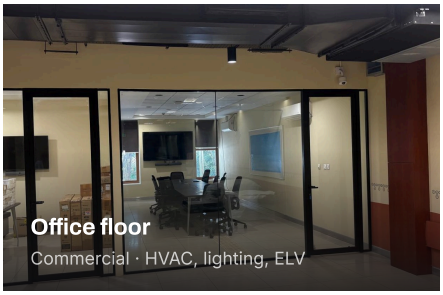
- Signed test and commissioning records
- As-built drawings
- O&M manuals and warranty cards
- List of installed makes and models
- Operator training record
- Documents for Fire NOC and inspection

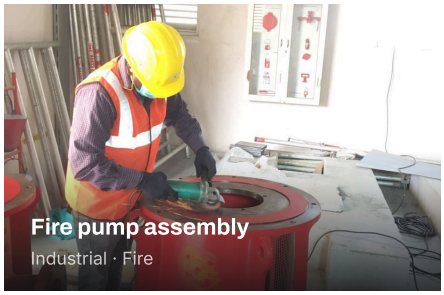
Project Photographs

Photographs from ASI sites in and around Chennai: industrial utility yards, civil works, panel rooms and finished commercial interiors.

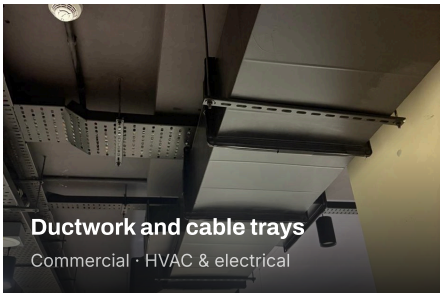


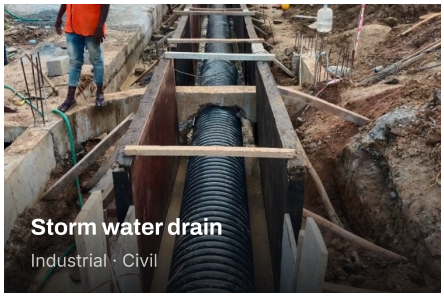




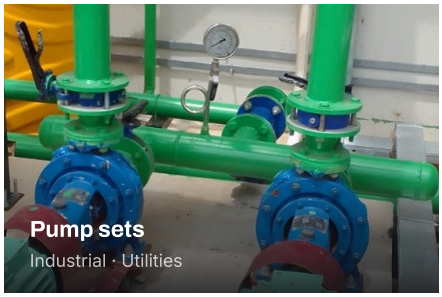












Selected Clients

Companies we have carried out work for since 2022.

Zoho Corporation
Pvt. Ltd.

KONE Elevator
India Pvt. Ltd.

TI Cycles
Pvt. Ltd.

Kubishev Azot

NJR Construction
India Pvt. Ltd.

Jesons India
Pvt. Ltd.

Why ASI MEP



01

Single MEP contract

Fire, HVAC, electrical, plumbing, civil and interior works can be awarded as a single contract.

02

Calculations before ordering

Heat-load, electrical and hydraulic calculations and drawings are approved before material is ordered.

03

Inspection and test records

Permit to work on site, inspection before concealment and signed test records.

04

Direct contact on site

Direct contact with the project engineer and the Managing Director during execution.

05

Industrial and commercial work

Plant civil works, utility yards, panel rooms, office floors and atrium buildings.

06

Programme and handover file

Programme with milestones issued with the quotation; as-builts, test records and O&M manuals at handover.

ASI | MEP CONSTRUCTION WORKS
EXCELLENCE IN ENGINEERING

Enquiries and Tenders

Send drawings, a BOQ or site details and we will reply with an itemised quotation. Tender documents can be sent to the email below.

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+91 97513 60406

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