



Mechanical | Electrical | Plumbing (MEP)

**Industrial Power Utilities &
Fabrication Specialists**

Forging Vision Into Engineering Reality



WHO WE REALLY ARE

V-Forge Enterprises (Pvt.) Ltd. is not a “general MEP contractor” trying to do everything and master nothing.

Specialized MEP & industrial engineering partner for:

Powerhouses | Utility plants | Industrial facilities | Process-heavy commercial sites

We focus on mechanical, electrical, plumbing & fabrication works where reliability matters more than decoration. Backed by hands-on industrial project experience (power, textiles, process, hospitals, etc.), V-Forge exists to bridge a simple gap in the market: Clients get drawings and BOQs from consultants, but they rarely get a contractor who can read, understand, question, and then build properly. That's the space V-Forge wants to own.

MISSION, VISION & CORE STANDARDS

MISSION _____

To build MEP and industrial systems that are technically correct, maintainable, and safe, with clear documentation and predictable execution.

VISION _____

To be recognized as the go-to MEP & industrial contractor when a project is complex, time-bound, and quality-critical especially in powerhouses, process plants, hospitals and large industrial clients.

CORE STANDARDS (NOT JUST “VALUES”) These are non-negotiables:

Technical Clarity – No guesswork; we work off approved drawings and site-verified data.

Industrial Discipline – Cable routes, pipe slopes, supports, clearances – all respected.

Documentation – As-built, test reports, material traceability – treated as part of deliverables, not “extra”.

Safety First – HSE is not a poster; it's integrated in the method of work.

Truth in Communication – If something is wrong / impossible as per design, we say it upfront.



WHAT WE **ACTUALLY** DO

We deliver end-to-end MEP & industrial services from fabrication to installation to testing & commissioning.

Mechanical Works



- ✓ Industrial exhaust & ducting systems
- ✓ Fuel lines (diesel / gas) including day tanks, transfer pumps, strainers, valves
- ✓ Lube oil lines and maintenance systems
- ✓ Cooling water / chilled water / process water piping
- ✓ Pump room installations and manifolds
- ✓ Generator mechanical integration (radiator ducting, exhausts, vibration control)
- ✓ Structural steel works: platforms, ladders, frames, skids

Electrical Works



- ✓ LV power distribution & panel terminations
- ✓ Cable trays, ladders, trunking & routing
- ✓ Power & control cabling with proper tagging
- ✓ Earthing systems & bonding
- ✓ Lighting & small power works in utility areas
- ✓ Generator & powerhouse electrical integration

Plumbing & Utilities



- ✓ Industrial and building water supply systems
- ✓ GI, PPR, HDPE, UPVC piping networks
- ✓ Drainage and sewerage lines
- ✓ Pump selection, installation & testing
- ✓ Sump pits, manholes, inspection chambers in utility zones

Industrial Fabrication & Custom Solutions



- ✓ Sheet metal fabrication (MS/SS)
- ✓ Acoustic canopies, duct hoods, louvers
- ✓ Exhaust stacks & silencers
- ✓ Steel structures for equipment supports
- ✓ Skid-mounted units for pumps, filters, fuel systems etc.

SHORT VERSION:

If it's metal, pipe, cable, powerhouse, or utility – we're supposed to be in that conversation.



MECHANICAL SERVICES (DEEP DIVE)

“Our mechanical services are designed for industrial operating conditions, not just theoretical drawings.”

KEY MECHANICAL CAPABILITIES:

→ FUEL SYSTEMS:

Underground / aboveground fuel pipeline installation
Double-wall or single-wall lines as per spec Valves, strainers, NRVs, flow meters, vents & drains Proper supports, routing, and protection at road crossings

→ EXHAUST & VENTILATION:

Engine exhaust piping with expansion joints Silencers, rain caps, supports & vibration considerations Hot air discharge ducting for radiators / engines Fresh air intake / hot air extraction strategy for engine rooms

→ UTILITY & PROCESS PIPING:

Chilled water, condenser water, hot water, compressed air Pipe sizing as per drawings, installed with correct slopes Hangers, guides, anchors, flexible connections where required

→ INDUSTRIAL STRUCTURES & SUPPORTS:

Pipe racks & wall brackets Platforms for equipment / valves / manifolds Ladders & walkways for access and maintenance



ELECTRICAL SERVICES (DEEP DIVE)

Our electrical services are designed to meet real operating and safety requirements.

KEY ELECTRICAL CAPABILITIES:

LV POWER SYSTEMS:

- Cable selection & routing as per drawings and standards
- Proper tray filling, spacing & segregation (power vs control)
- Glanding, lugging and terminations using proper tools

GROUNDING & BONDING:

- GI / copper earthing systems for equipment, panels & structures
- Earth pits, test links, and continuity verification

GENERATOR & POWERHOUSE ELECTRICAL INTEGRATION:

- Terminations from generator to main panel
- CT/PT wiring, metering, protection circuits
- Control & signal cabling with tagging and ferruling

AUXILIARY POWER & LIGHTING:

- Lighting in plant rooms, access areas, walkways
- Emergency lighting as per design
- Local isolators for equipment



“Our electrical works are executed at a project level, with structured planning, testing, and documentation.”

A photograph of industrial piping and valves, likely in a factory or refinery setting. The pipes are metallic and connected by various valves and fittings. The background is slightly blurred, showing more industrial equipment.

PLUMBING & UTILITY WORKS

Our electrical services are designed to meet real operating and safety requirements.

→ SCOPE INCLUDES:

- Domestic & process water systems
- Pump room piping
- Drainage & sewer networks
- Rainwater / storm water down-takes
- PRVs, strainers, NRVs, etc. as per spec
- Hydrostatic testing & commissioning

→ WE ENSURE:

- Access to valves
- Logical routing
- Proper slopes
- Clean terminations and no "creative connections"

FABRICATION & CUSTOM ENGINEERING

This is a big differentiator for you. Most MEP contractors do not have strong fabrication thinking.

→ WE OFFER:

- Custom canopies, hoods, and housings
- Air intake & discharge plenums
- Steel frames for pumps, tanks, generators, exchangers
- Acoustic panels & enclosures (as per design)
- Skid-mounted units (pump skids, filter skids, small utility skids)

→ WHY THIS MATTERS FOR CLIENTS:

- Less dependency on multiple vendors
- Better fit-up, less rework
- Faster problem solving when site changes occur



HOW WE EXECUTE

Structured, Process-Driven Execution

This is where most contractors fail; this is where we differentiate.

01

DRAWINGS & SCOPE REVIEW

- Study IFC / tender drawings, specs & BOQ
- Highlight clashes, missing details, and impractical points
- Conduct site visit for route feasibility (MEP coordination mindset)

02

SITE PLANNING

- Finalize routing for ducts, pipes, cables
- Identify supports, openings, penetrations
- Split fabrication vs site work clearly
- Plan manpower, tools, cranes, scaffolding realistically

03

FABRICATION & PRE-ASSEMBLY

- Pre-fabricate where possible to reduce site chaos
- Cut, weld, drill, assemble in controlled environment
- Dry-fit where needed before sending to site

04

INSTALLATION

- Install in proper sequence (support → trunk → service → accessories)
- Maintain minimum clearances, slopes & access for maintenance
- Follow tightening torque, anchor selection & alignment practices

05

TESTING & COMMISSIONING

- Pressure tests (piping)
- Electrical insulation and continuity testing
- Functional tests with client / OEMs
- Rectify punch-list items systematically

06

DOCUMENTATION & HANDOVER

- As-built drawings with clear markups
- Material traceability documents (MTCs where applicable)
- Test reports (pressure, continuity, insulation, etc.)
- Operation / inspection guidelines where needed



"THIS EXECUTION MODEL REFLECTS PRACTICAL, ON-SITE ENGINEERING PRACTICES."

"Our differentiation is based on execution discipline, technical clarity, and reliability."

WHAT MAKES **V-FORGE** DIFFERENT

Practical Differentiators

We are not the cheapest contractor in the market.

We are trying to be the most technically reliable within a realistic budget.

DIFFERENTIATORS

INDUSTRIAL MINDSET

We think in terms of reliability, access, maintenance, and long-term operation not just handing over "something".

INTEGRATED MEP + FABRICATION

Most contractors either "do MEP" or "do fabrication".
We bridge both.

TRANSPARENT COMMUNICATION

If something will cost more / take longer due to a change, we highlight it early. No games.

DRAWING-LITERATE TEAM

We actually read, interpret, and question drawings instead of blindly installing.

EXECUTION DISCIPLINE

- Clear scope
- Clear method
- Clear reporting
- No disappearing from site

COMPANY

DETAILS & CONTACT

NATURE OF BUSINESS:

Mechanical | Electrical | Plumbing Contracting
Industrial Utilities & Fabrication Works

REGISTERED AS:

Private Limited Company (*SECP Registered*)
NTN Registration No. 1158339

TARGET CLIENTS:

Industrial Plants | Powerhouses | Hospitals | Process Industries
Large Commercial Facilities

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"FORGING
VISION INTO
ENGINEERING
REALITY"