itihas

A GUIDE FOR OWNERS & PROJECT TEAMS

The Fabrication, Sheds & Glass Guide

How to get metal fabrication, industrial sheds and architectural glass that are strong, accurate and finished to spec — not improvised on site.

By ITIHAS Engineering Services

Certified EPC & Fit-Out authority · CEng · BEE · IGBC · ECBC · ISO 45001

"Building Trust. Delivering Value."

What we fabricate & install

Fabrication is where design meets steel and glass. Precision, the right grade of material and proper finishing separate work that lasts from work that rusts and rattles. Our scope:

- **Structural steel & sheds**
  MS structures, industrial and warehouse sheds, mezzanines and platforms.
- **SS & GI fabrication**
  Stainless and galvanised work for railings, tanks, kitchens and utilities.
- **Aluminium & glass facades**
  Doors, windows, partitions, ACP cladding and structural glazing.
- **Architectural glass**
  Toughened, laminated and frameless glass with quality hardware.
- **Gates, grills & railings**
  Custom security and decorative metalwork, powder-coated to finish.
- **Finishing & protection**
  Galvanising, powder-coating and painting for a lasting finish.

Shop-fabricated to spec. Installed to fit.
Accurate measurements, rated materials, proper finishing — every time.

How quality fabrication is done

Good fabrication is decided before cutting starts. Skipping measurement or material checks shows up later as gaps and corrosion.

1

Site measurement & drawing

Exact measurements and fabrication drawings agreed before work.

2

Material selection & BOQ

Correct grade, gauge and section specified with a locked price.

3

Shop fabrication

Cutting, welding and assembly in a controlled shop for accuracy.

4

Finishing

Galvanising, powder-coating or painting for corrosion protection.

5

Installation

Fit-up on site by a supervised team, aligned and levelled.

6

Quality check & handover

Welds, alignment and finish inspected before sign-off.

6 fabrication mistakes to avoid

These are why metalwork rusts, sags, or never quite fits.

Wrong material grade or gauge
Under-spec steel corrodes and deflects; you pay again to redo it.

Measuring on the fly
No fabrication drawing means gaps, misalignment and rework.

Poor welding & no inspection
Weak or unchecked welds are a structural and safety risk.

Skipping surface protection
No galvanising or coating means rust within a season or two.

Cheap glass & hardware
Sub-grade glass and fittings fail — a real safety hazard.

No accountable supervision
Unsupervised fit-up delivers uneven, unsafe results.

Steel and glass, done to spec.

Fabricated and installed by an accountable team.

Every ITIHAS project is personally overseen by a Managing Partner who holds the credentials most firms in this space simply don't. One firm. One accountable engineer. What we commit, we deliver.

- **Chartered Engineer (CEng)**
- **BEE Certified Energy Auditor**
- **IGBC Accredited Professional**
- **ECBC Professional**
- **ISO 45001:2018 Certified**
- **NISM-CRISIL ESG Risk Analyst**

Price locked upfront
A transparent, itemised BOQ before any work starts.

What we commit, we deliver
Approved scope & materials — zero substitutions.

Supervised every day
A dedicated engineer owns quality at every stage.

Committed handover
A milestone schedule and a handover date we keep.

Before you award fabrication

Ask any fabricator these questions. The right partner answers all of them in writing.

- [ ] Are material grade, gauge and section specified in writing?
- [ ] Will you work from approved fabrication drawings?
- [ ] How is welding quality checked and by whom?
- [ ] What surface protection (galvanising / coating) is included?
- [ ] Is the glass toughened / laminated to the right safety grade?
- [ ] Who supervises installation and alignment on site?
- [ ] What warranty do I get on the fabrication and finish?

Planning fabrication, a shed or glasswork?

Get a free site measurement and a transparent, itemised quotation.

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