Façade Consultancy Services

Façade Consultancy plays a major contribution to the overall aesthetic and technical performance of a building, so the involvement of Façade Consultants are recommended at the initial stage of planning.

Here our services are categorized into three phases as Primary Stage as Pre-Tender, Secondary Stage as Tender and Final Stage as Post-Tender. The Stages are described below in detail for easy reference and to understand the responsibilities:

- **Facade Concept & Design Development Stage:**
  - Architectural review & Façade Design Criteria
    - Review of Architectural Intent and design Criteria.
    - Discuss for Project performance parameters – Structural, Thermal, Acoustics & Sustainability
    - Specify Material Performances
    - Work-out Budgets and schedule priorities
    - Propose Façade cleaning and maintenance systems
    - Suggest Construction Tolerances – Structural / Finishing
    - Summarize the above mentioned points and Sign off
  - Concept Design Report
    - System appointment of facade elements
    - Brief – Minimum Material and Finish Specifications
    - Glass selection to suit thermal, aesthetic and environmental requirements
    - Optimization of Sizes for Facade Elements
    - Estimated Project Costs with Value Engineering Options
    - Review Compliance to environment sustainability
    - Review Host structure reactions due to Facade loading on structure
    - Sign off on approval from Client and Architect

- **Facade Design Development**
  - Typical system details
  - Typical interfaces and anchorage details
  - Schedule of Openings
  - Set out
  - Sign off

- **Tender & Tender Evaluation Stage:**
  - Tender Documentation
    - Tender Drawings
    - Tender Specification and BOQ
    - Conditions of contract
    - Sign off on approval from Client / Architect
Tender

- Invitation to Tender, Pre bid meeting and response to vendor queries.
- For vendor Evaluation Technical review of proposal systems for various façade elements for compliance to project tender documents and its requirements along with preliminary samples review.
- Vendor Evaluation Commercial (If applicable) review rate analysis and bidder programme
- Prepare and submit Techno Commercial Report with recommendations to clients for award of works.

Design Evaluation & Construction Stage:

- Design Drawing and Calculations
  - Review and Approval of Shop Drawings, Structural Calculations, Method Statements, Material Samples and QA/QC documents.
- Visual Mock Up and Performance Mock Up Testing (if applicable)
  - Define mock up area on elevation drawing
  - Review and approve mock up drawings
  - Inspect and review mock up installation at site for Architectural intent, Workmanship and Assess for Tender compliances
- Facility, Material and Process Inspection
  - Inspect fabrication facilities to ensure conformance to approved design.
  - Verify materials being utilised.
  - Verify dimensional tolerances conformity
  - Inspect assembly sequence
  - Inspect glass at processing plant for Material / Technique and Workmanship
- Periodic Installation Inspection
  - Inspect, recommend and approve first installation on site for each element prior to commencement of mass installation.
  - Periodic / Requested inspections at site.
  - Resolution of as built / site oriented problems.
- Closeout
  - Final Inspection and snagging of all facade elements
  - Review corrective action plan / remedial plan of contractor prior to implementation.
  - Re inspection to confirm correct incorporation of remedial measures.
  - Final approval inspection.
  - Approval of As-built drawings prepared by contractor, maintenance manuals.