

Standard Scope of Work: Façade Consultancy

1. Pre – Tender Stage

a. Concept Design

- i. Review of Architectural Intent.
- ii. Discussion with architect and client to understand design intent and client vision.
- iii. Discussion on materials and specifications.
- iv. Discuss works budgets and schedules.

b. Design Basis Report.

- i. Establishment of Performance parameters
- ii. Propose System appointment
- iii. Define material use
- iv. Finalisation of modulation
- v. Estimated Project Costs
- vi. Review of building structural supports systems for various façade elements.
- vii. Sign off on DBR.

c. Design Development Documentation

- i. Preparation of Concept drawings
 1. Typical system details
 2. Typical interfaces and anchorage
 3. Set out.
- ii. Schedule of openings
- iii. Preliminary BOQ
- iv. Preliminary Costs
- v. Preliminary Schedule of works
- vi. Propose facade cleaning and maintenance system
- vii. Sign off

2. Tender Stage

a. Tender Documentation

- i. Preparation and submittal of Tender Drawings
- ii. Preparation and submittal of Specifications
- iii. Preparation and submittal of Bill of Quantities
- iv. Preparation and submittal of Budgetary Costing
- v. Preparation and submittal of Works Programme
- vi. Preparation and submittal of Conditions of Contract
- vii. Structural Reactions where reqd for design of host structure.

b. Tender

- i. Invitation to tender
- ii. Meetings with Bidders

- iii. Response to vendors queries
- iv. Technical Compliance review
 - 1. Review of proposal systems for various façade elements for compliance to project tender documents and its requirements.
 - 2. Preliminary samples review.
- v. Visit short listed contractors and their vendor's facilities.
- vi. Financial review and Negotiations
- vii. Prepare and submit FACET Techno Commercial Report with FACET Recommendations to clients for award of works.

3. Post Tender Stage

a. Design Drawings and Materials Approval

- i. Review contractor's drawings for the various systems for approval.
- ii. Review materials and samples for approval.
- iii. Review structural calculations for approval.
- iv. Review method statements for production and installation
- v. Review QA / QC documentation.
- vi. Visit contractor and his vendor facilities.
- vii. Review of warranties and maintenance manuals / replacement manuals.

b. Mock up Review and Approval

- i. Define mock up area on elevation drawing
- ii. Review and approve mock up drawings
- iii. Inspect mock up fabrication and installation at contractor's facility and site / test facility.
- iv. Review Mock up
 - 1. Review for aesthetic and workmanship compliance and capability.
- v. Where testing is carried out
 - 1. Inspect installation at pre glazing stage and at other stages if required.
 - 2. Witness test.
 - 3. Advise on improvements in the system if any.

c. Fabrication and Installation.

- i. Inspect fabrication facility to ensure conformance to approved design.
- ii. Verify materials being utilised.
- iii. Verify dimensional tolerances conformity
- iv. Inspect glass at processing plant for
 - 1. Material
 - 2. Technique and
 - 3. Workmanship.
- v. Inspect assembly sequence
- vi. Inspect first installation on site for each element prior to commencement of mass installation.
 - 1. First installation to be approved prior to mass fabrication and installation.

- vii. Periodic / requested inspections at glass processing plant, fabricators plant and site.
- viii. Resolution of as built / site oriented problems.

d. Closeout

- i. Final Inspection of all elements
- ii. Snag List preparation
- iii. Review corrective action plan / remedial plan of contractor prior to implementation.
- iv. Re inspection to confirm correct incorporation of remedial measures.
- v. Final approval inspection.
- vi. Approval of As-built drawings, maintenance manuals.

Note:

- Shop Drawing reviews to be limited to 2 revisions (Rev 0 and Rev. 1). Subsequent revisions to be charged back to contractor.
- Inspections to be limited to certain numbers depending upon project requirements. Additional visits to be payable additionally.
- All visits away from home location to be payable additionally.
- **Full time inspection consultants may be provided for on-site inspections and factory level quality assurance.**

Exclusions (but may be provided as an additional scope):

- Project Management Services
- System Design and structural design
- Full Time project monitoring
- Any other activity other than noted above in Fee Proposal.

To be provided by Client

- 2 Complete sets of Hard and Soft Copies of the Project Drawings – Architectural, Structural.
- Project Specification for structural, Interior design, etc.
- Structural tolerances approved for the project.
- Project Programme

Façade Consultancy Fee Table

Sl. No.	Stage	Scope	Amount	Sub Total	Total
1.0	Pre Tender				
1.1		Concept Design			
1.2		Design Basis report			
1.3		Design Development Documentation		_____	_____
2.0	Tender Stage				
2.1		Tender Documentation			
2.2		Tender		_____	_____
3.0	Post Tender Stage				
3.1		Design Drawings and Materials Approval			
3.2		Mock Up Review and Approval			
3.3		Fabrication & Installation			
3.4		Closeout.		_____	_____