# FMG – Scope of Work (QBS ERP Integration)

## 1. Objectives

* Standardize FMG’s project execution using uniquely coded Item Codes for activities and materials.
* Digitize complete project workflows in QBS ERP, from enquiry to billing and analytics.
* Ensure traceability across Customer, Supplier, and Contractor transactions.
* Provide site-level app functionality for Pre-Pour, Mid-Pour, After-Pour, Daily Reports, and Associate assessments.
* Enable management dashboards for real-time project monitoring and financial control.

## 2. Item Codes & Standardization

FMG has developed a standardized Item Code Sheet:

* Item Code – Shared with contractor in Work Orders (codes only, no details).
* Item Details – Used in Customer Quotations.
* Supplier Brand Name – Referenced in Purchase Orders.
* Activities linked with formulas: output metrics (e.g., completed m²) drive material requirements (e.g., No#, Kg, Mtr).
* QBS must allow mapping of Suppliers to Item Codes, along with supplier type (Trader/OEM) and location-wise GST details. FMG Purchase team to complete this task asap.

## 3. Parties Involved

* Customer – Receives quotations & billing.
* Supplier – Receives POs with Brand Name.
* Contractor – Receives WO with Item Codes.

Each party sees only relevant data, ensuring confidentiality and role clarity.

## 4. Workflows

### 4.1 Enquiry to Quotation

* FMG builds project plan using Item Codes.
* System calculates material requirements via defined formulas.
* Labour and overhead estimates added by FMG.
* Standardized quotation template (to be shared by FMG) used; Item Details appear in customer quote.
* Quotation sent directly via email integration.

### 4.2 Post-Customer PO (Project Planning)

* System generates Project Plan: Start/End dates, resource requirements, total material, infra needs, and schedule.
* Assign Site Incharge.
* Two outputs: Work Order (codes only) to Contractor, Material Take-off Plan – Supplier selection, PO raised using Brand Name.

### 4.3 Procurement & Material Requests

* Site Incharge raises Material Requests (monthly projected consumption).
* Purchase generates consolidated PO with staggered deliveries.
* Supplier auto-mapped based on Item-Supplier linkage.

### 4.4 Site Mobilization & Contractor Assessment

Site Incharge fills FMG Associate Template (with date/time stamp).

Captures manpower roles, skill mix, utilization %, and compliance.

### 4.5 Execution – Pre-Pour, Mid-Pour, After-Pour

#### Pre-Pour

Safety checks (PPE, equipment, tool readiness, spares).

Site baseline levels measured (Sample Level Report).

Inputs auto populated in FM2 BM Passing worksheet.

Data captured via app (with photo evidence, compliance %).

#### Mid-Pour

While concrete is wet, levels re-measured against baseline.

QC checks (if any, to be provided by FMG with codes).

Re-levelling done until within tolerance.

Tolerances color-coded: 0–2 mm (White), 2–4 mm (Blue), >4 mm (Red).

#### After-Pour

Levels measured again after 10 hours.

Cell-to-cell level differences calculated.

QC validation (Groove cutting timeliness, groove depth = D/3, curing compliance, waste management, etc).

Final reports generated from app.

### 4.6 Daily Site Reports

* Submitted by Site Incharge with coded metadata: Project, Location, Date, Time.
* Key metrics: Work Done till date vs Planned, Area completed vs planned (absolute & %), Today’s target vs achieved.
* Front availability: p (3–4 days front) and q (next week’s front).
* Issues recorded (Customer, Contractor, FMG side).

## 5. Analytics & Dashboards (QBS – Management View)

* Operational: Work Done vs Billing, Planned vs Actual.
* Financial: Billing vs Payments Received, Customer Payment Ageing, Supplier Payment Ageing.
* Inventory: Stock Ageing, Procurement Gap, Utilization %.
* Manpower: Skill mix ratios, Labour efficiency.
* Quality: Pre/Mid/After Pour compliance %, QC anomalies.
* Exceptions: Highlight deviations (delays, non-compliance, material shortages).

Dashboards will be configured in QBS (not in the site app) and updated live from workflow data.

## 6. Deliverables

* Classification of FMG Item Codes into Materials and Services – FMG Scope.
* Supplier coding system with location & GST mapping – FMG Scope.
* Configured QBS Doctypes for: Materials & Procurement, Contractors & Work Orders, Site Incharge Daily Reports, Associate Template (Manpower), Pre-Pour, Mid-Pour, After-Pour checklists – Q10 Scope.
* Integrated workflows for Enquiry → Quotation → Project Plan → Execution → Reports- Q10 Scope.
* Auto-generation of Daily Reports & Management Dashboards – Q10 Scope.
* Pilot testing, UAT, and phased rollout – Both.