Scope of Work – Installation of 50 mm PUF Panels

1 General Description

The work includes supply (if applicable), installation, and finishing of **50 mm thick PUF insulated panels** for ceilings complete in all respects as per approved drawings and specifications.

Contractor will be responsible for getting the new framework for PUF panel roof over proposed laundry designed by a certified structural engineer. Structural engineer must provide following documentation for review and approval before releasing the final drawings good for construction.

- Basis of Design
- Stadd calculations
- Working drawings

The location has brick wall on all four sides to support proposed metal frame work.

2. Scope of Work

2.1 Site Preparation

- Inspection of site and verification of dimensions.
- Cleaning and leveling of installation surfaces.
- Marking layout lines as per approved drawings.

2.2 Supply of Materials

- 50 mm thick PUF panels (sandwich panels with pre-coated GI sheets – 0.5 mm).
- Fixing accessories:
    - Self-drilling/self-tapping screws
    - Fasteners with EPDM washers
    - Aluminum/GI channels and trims
    - Sealants (silicone/PU-based)
- Flashings, corner trims, and closures.

2.3 Supporting Framework

- Fabrication and installation of supporting framework (if required):
    - MS/GI sections (angles, channels, or tubular sections)
- Alignment, leveling, and anchoring to existing structure.

- Application of anti-corrosive primer and paint on MS members.

2.4 Panel Installation

- Erection of PUF panels vertically/horizontally as per design.
- Proper interlocking of tongue-and-groove joints.
- Fixing panels to framework using approved fasteners.
- Ensuring:
    - Correct alignment and plumb
    - Uniform joints
    - No gaps or distortions

2.5 Joint Sealing and Finishing

- Sealing of panel joints with approved sealant to ensure:
    - Airtightness
    - Waterproofing
- Installation of trims, flashings, and corner pieces.
- Finishing edges around doors, windows, and openings.

2.6 Openings & Cutouts

- Cutting panels for:
    - Doors, windows, ducts, electrical openings
- Reinforcement of cut edges where required.
- Proper sealing around all penetrations.

2.7 Roof/Ceiling Panels (if applicable)

- Installation of ceiling panels with proper suspension system.
- Ensuring level alignment and load-bearing capacity.
- Sealing against air leakage.

2.8 Quality Control

- Checking:
    - Panel thickness (50 mm)
    - Surface finish and coating
    - Alignment and joint integrity
- Replacement of damaged panels.

2.9 Cleaning & Handover

- Removal of protective film after installation.

- Cleaning of panel surfaces.
- Disposal of debris from site.
- Final inspection and handover.

3. Exclusions (if applicable)

- Civil works (unless specified)
- Electrical and HVAC installations
- Structural steel beyond defined framework

4. Safety Requirements

- Use of PPE (helmets, gloves, safety belts).
- Safe handling and lifting of panels.
- Compliance with site safety regulations.

5. Measurement & Payment

- Measurement in **square meters (sqm)** of installed panel area.
- Rate to include:
    - Material (if applicable)
    - Labor
    - Fasteners, sealants, trims
    - All incidental works

6. Standards & Specifications

- Panels conform to relevant IS/ASTM standards.
- Fire rating and insulation properties as specified.