

“ANNEX-K” - MINIMUM REQUIREMENT FOR DESIGN PHASE KEY PERSONNEL AND CONTRACTORS’ COMPANY/FIRM

1. Key Personnel/ Qualification Experience

1 *Project Manager/ Team Leader*

- Licensed Civil engineer/ Architect with Master’s Degree in Engineering/Construction for engineer and Architecture for architect.
- With at least 5 years work experience as project manager of general building/ engineering
- Was involved in at least 3 completed detailed design projects

1 *License Architect / Interior Designer*

- Must be a Licensed Architect/ Interior Designer with at least 5 years work experience in design.

1 *Civil/Structural Engineer*

- Must be a licensed Civil Engineer
- With at least 5 years work experience as Design Structural Engineer of general building/ engineering

1 *Geotechnical Engineer*

- Must be a licensed Civil/Geotechnical Engineer
- With at least 5 years work experience as Design Geotechnical Engineer of general building/ engineering

1 *Geodetic Engineer*

- Must be a licensed Geodetic Engineer with at least 5 years work experience;
- With at least 5 years work experience as Design Geotechnical Engineer of general building/ engineering;

1 *Professional Electrical Engineer*

- Must be a licensed Electrical Engineer with at least 5 years work experience as Designer

1 *Professional Mechanical*

- Must be a licensed Mechanical Engineer (5) years of experience in Mechanical Design Supervision involving design of mechanical systems, particularly HVAC and Fire Protection on General Building Engineer

1 *License Sanitary Engineer*

- At least six (6) years of experience in Sanitary Design on green and general buildings.

1 *License Electronics Engineer*

- At least five (5) years of experience in Electronics and Communications Engineering Design involving acoustic design, design of ICT (BMS), security and fire alarm system requirements and media room installations on General building.

1 Lead Quantity/Cost/Specifications Engineer

- Must be a licensed Civil Engineer with at least 5 years work experiences as Quantity/Cost/Specifications Engineer

2. Contractors' Company/firm Qualification & Experience

Firm/Company Qualification

- Must be operational for at least Five (5) years
- Must have five years of Experience in A&E Design of Any infrastructure projects.

Firm/Company Experience

- Single largest project must be similar nature from 2016-2021 (completed)
- Must have previously handled/managed and completed at least two (2) projects involving Detailed Architectural and Engineering Design of similar to General Building.