

### 3. Pre-Commissioning

Systematically verify and ensure that all the building systems are physically complete, correctly installed and ready for commissioning. Identify any issues that may lead to functional performance problems during commissioning. Project team to follow the pre-commissioning and commissioning procedure in accordance with below CIBSE Commissioning Code or any other code or standard approved by DM.

- CIBSE Commissioning Code A: Air Distribution Systems
- CIBSE Commissioning Code B: Boilers
- CIBSE Commissioning Code C: Automatic Controls
- CIBSE Commissioning Code L: Lighting
- CIBSE Commissioning Code R: Refrigeration
- CIBSE Commissioning Code W: Water Distribution Systems

### 4. Commissioning

Commissioning involves functional testing to document and verify proper operation of equipment and systems in accordance with building specifications, design parameters as outlined in the commissioning plan. The project team can refer detail procedure and checklist pertaining to each element of commissioning from BSRIA guide BG 11 Commissioning Job Book.

It should be ensured that all performance tests required in accordance with the commissioning plan are completed and the required performance outcomes have been met and recorded in the approved checklist. After completion of functional testing, a final commissioning report for all systems, commissioning completion certificates including issue log summary and corrective actions taken, should be prepared and submitted as part of DM submission.

### 5. Operation & Maintenance (O&M) Manual and Building logbook

O&M Manual and Building logbook provides necessary information to building operator / owner, to safely and effectively operate the building and sustain its performance over long term. It should be ensured the same has been completed and reviewed to reflect the accurate details of the system.

## COMPLIANCE DOCUMENTATION

**Table 503.01(1): Documents Required**

Project Stages	Submittal Documents
Design Permit Application	1. DM BLDG Al Sa'fat declaration.
Construction Completion Application	1. Final commissioning report for all systems as per required standards including commissioning completion certificates. 2. Operation and maintenance manual / systems manual. 3. Summary of issue logs and corrective actions taken.
After Completion	Not applicable.