

The electrical design and drawing of a building should include the following:

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| General Sections | |
| 1 | Complete Electrical Drawings – Includes consultant details, sign, and seal |
| 2 | Design Assumptions & Justifications – Clear documentation of design basis |
| 3 | Specification of Electrical Accessories – Light, Switch, Transformers, poles, cables, breakers, metering, etc. |
| 4 | Photo of Nearest NEA Distribution Intake Point |
| 5 | Legends, Symbols, Abbreviations, Mounting Height, Cable Color Coding in Standard Format |
| Drawing Sections | |
| 1 | HT/LT distribution, transformer, and main panels, Electrical Substations/room locations, Single line diagram |
| 2 | Circuit protection (MCB, MCCB, RCD, ELCB, RCCB) |
| 3 | Overhead or underground cable routing |
| 4 | Electrical duct, Conduit systems and Power Distribution layout |
| 5 | Lighting Circuit (Lighting Fixture and Switch) |
| 6 | Power Circuit (Normal, AC and others high power requirement accessories) |
| 7 | Earthing system |
| 8 | Grounding for power, lightning, and sensitive equipment |
| 9 | Lightning assessment for arrestors and surge protection devices |
| 10 | Solar PV system with net metering as per NEA guidelines(if applicable) |
| 11 | Backup System/Backup for critical loads |
| 12 | Fire alarm system, and emergency lighting |
| 13 | CCTV, Networking, access control, and security systems |
| Calculation Sections | |
| 1 | Illuminance (Lumen) Calculations |
| 2 | Load Calculations (For Cable and Protections devices) |
| 3 | Earthing Resistance Calculations (only for commercial) |
| 4 | Power Factor correction Calculations (only for commercial) |
| 5 | Short circuit current calculations (only for commercial) |
| 6 | Voltage drop Calculations |

Note: Please submit detail Electrical Report based on above Requirements