07.08.2013

**Amendment –I**

**Additional Conditions**

1. The electrical sub-contractor should have satisfactorily completed under their own name at least two internal electrical installations for buildings each costing not less than Rs. 50 Lakhs during last five years ending last day of the month of July’ 2013. Certificate of satisfactory completion / commissioning and working of the plant with date of completion, value as per final bill paid duly certified by authorized official not below the rank of Executive Engineer/ Project Manager to be enclosed. They should have a valid ‘B’ or ‘A’ grade electrical license issued from Kerala state electrical licensing board.
2. General Arrangement drawing of the electrical LT panels shall be got approved before fabrication.
3. The LT panels shall be manufactured from manufacturer having valid CPRI certificate for similar types of panels.
4. The test certificates of the light fitting, ceiling fan, exhaust fan, cables, wires etc shall be submitted along with the delivery of the materials at site.
5. Samples of different types of light fitting, ceiling fans and exhaust fan proposed to be used in different areas in the building shall be submitted and approval shall be obtained before ordering the material to site.
6. The contractor has to do all liasoning works and obtain statutory approval from Electricity Board, Electrical inspectorate and any another body for the successful energisation of electrical supply to the building. No charges will be paid to the contractor in this regard. However, statutory fees if any will be paid by HLL. All necessary drawings and documents required for the same has to be prepared and submitted by the Contractor with the concurrence and approval of the Engineer-in-charge.

**LIST OF APPROVED MAKES FOR ELECTRICAL WORKS**

|  |  |  |
| --- | --- | --- |
| **S.No.** | MATERIALS | PREFERED MAKE |
| 1 |  LT UG cables | Gloster / Torrent / Havells / RPG |
| 2 | LT cable gland, lugs | Comet / Dowell / Jainson / Hex |
| 3 | MCCB | L&T / Siemens / Schneider / GE |
| 4 | SDFU, Isolators | L&T / Siemens / Schneider / GE |
| 5 | Relays  | L&T / GE / Schneider / Siemens. |
| 6 | Resin cast CTs |  Intrans / Resitech / PGR Powertech  |
| 7 | Measuring Instruments | AE / CONSERV / Rishab / Schneider / L&T  |
| 8 | Starters /Contractor /Bi metal Relay | L&T / Siemens / Schneider / GE |
| 9 | Push Button /Indicating Lamps (LED Type) | Siemens / L&T / Schneider  |
| 10 | Control Fuse Base with HRC Fuse | L&T / GE / Siemens / Schneider |
| 11 | Light fitting  | Philips / Wipro / GE |
| 12 | Ceiling fan,Wall, exhaust fans | Crompton / Usha / Bajaj |
| 13 | Industrial Exhaust Fan,Wall fan | Almonard/Crompton/Bajaj |
| 14 | MCBs, DBs, Industrial plugs | Legrand / Schneider / Siemens  |
| 15 | PVC wires (Copper)  | RR Kables / Finolex / Panasonic  |
| 16 | Cat 6 UTP, telephone, co-axial cable | Finolex / RR Kabel / Panasonic / Belkin |
| 17 | Modular Switches  | Legrand-Arteor / MK-Aspect / Panasonic-Vision/Crabtree-Murano |
| 18 | PVC Conduit & accessories, Casing & capping | Precision / Avon Plast / /Konseal / Balco |
| 19 | Cable tray | Profab / Patny / Indiana / Elcon |
| 20 | Lamps  | Philips / Wipro / GE / Osram  |