

1. LIST OF APPROVED MAKES FOR ELECTRI

(All major equipment/Materials shall be tested and approved and shall carry ISI mark. All manufacturer s)

| Sl. No. | Equipment & materials |
|---------|-----------------------------------------------------------------------------|
| 1 | Low voltage switchgear enclosure (415v) (iec 61439 compliant) & switchgears |
| 2 | Ups system (uninterruptable power supply) (415/230v) |
| 3 | Vrla smf battery |
| 4 | Dbbs |
| 5 | Vfd (variable frequency drive) |
| 6 | Motor starter |
| 7 | Cable (415v) |
| 8 | Disconnect switch |
| 9 | Wires/copper flexible cable |
| 10 | Raceways and junction boxes |
| 11 | Cable trays |
| 12 | Spd (surge arrester) |
| 13 | Meters (analog) |
| 14 | Meters (digital) |
| 15 | Energy meter , load manager |
| 16 | Indicating lamps |
| 17 | Rotary switch |
| 18 | Push button and push button set |
| 19 | Selector switch |
| 20 | GI conduits and accessories |
| 21 | Control transformer [pt / ct] |
| 22 | Fire barrier |
| 23 | Terminal block |
| 24 | Control switch |
| 25 | Hrc fuse |
| 26 | Limit switch |
| 27 | Elr with cbct |
| 28 | Overload relays with built in single phase preventer |
| 29 | Power/aux. Contactor |
| 30 | Auxiliary relays |
| 31 | Protection relay - electromagnetic type |
| 32 | Protection relay - numeric type |
| 33 | 1.1kv, grade It fire survival cables |

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|----|-----------------------------------------------|
| 34 | Signal cable |
| 35 | Cable lugs |
| 36 | Bimetallic lugs |
| 37 | Cable glands |
| 38 | Lt cable jointing kits(cold curing) |
| 39 | Pvc tape |
| 40 | Pvc junction box |
| 41 | Ceiling fan / exhaust fan |
| 42 | Electric timer |
| 43 | Connectors (colours as per phase & neutral) |
| 44 | Industrial socket with mcb |
| 45 | Modular switches, sockets & other accessories |
| 46 | Metal clad socket with mcb |
| 47 | Public spaces light fixtures |
| 48 | Insulating mat |
| 49 | Eathing material |

MECHANICAL EQUIPMENT & MATERIALS

Tested by CPRI/ERDA (NABL accredited laboratory)
Laboratory shall possess valid ISO certificate)

| Makes |
|--------------------------------------------------------------------------|
| Schneider / legrand / siemens / abb / l&t |
| Apc-schneider / eaton / socomec / vertiv |
| Excide / amararaja / rocket |
| Legrand - ekinox / schneider - acti9 / siemens / abb |
| Allen bradley / alstom / danfoss / siemens / abb / l&t yaskawa/honeywell |
| Abb / schneider / siemens / l&t |
| Rpg/ finolex / universal /havells |
| Schneider / abb / siemens / l&t |
| Finolex / havells / rajnigandha / rr kabel |
| Mk / legrand / obo bettermann |
| Obo bettermann / legrand / indiana / profab |
| Obo / legrand / schneider |
| Meco / rishabh / nippen / conserve / ae |
| Ae / schneider / nippen / conserve / l&t |
| Schneider (em 6400ng or equivalent) / l&t / nippen / hpl / socomec |
| Schneider / l & t / salzer |
| Siemens / keycee / salzer / meco |
| Siemens / schneider electric / l & t / legrand / c&s / abb |
| Keycee / salzer / meco |
| Bharat / supreme/bec |
| Ashmor / kappa / elmex |
| Obo bettermann / hilti / 3m |
| Essen / connect well /elmex |
| Alstom/kaycee/switron |
| Siemens /l&t /alstom/s&s /cgl /ge /standard |
| Siemens /essen /bch /ind syndicate/epcc(kakku) |
| Kalpa / jvc / prok dv's |
| Siemens/ abb/ l&t / schneider |
| L&t / schneider |
| Siemens / ge alstom / abb / jvs / prok dv's |
| Areva |
| Areva / siemens / l&t / sel |
| Anchor/finolex/ havells / kei/ kec |

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|-------------------------------------------------------------------------------------------------------------------------------|
| Enercon / lapp india / system tek / caliplast / eminent |
| Dowell's / 3d / hex / jainson / comet / hmi |
| Hmi / hex / connect |
| 3d / comet / hmi |
| Reychem/3m |
| Steel grip / isi apprved |
| Hensel / clipsal / spelsberg / scame / sintex |
| Crompton / bajaj / orient / havells |
| Siemens / legrand / l&t / meco /telemechanique |
| Wago / phoenix contact/ connectwell |
| Legrand / schneider/mennekes |
| Mk - blenze / legrand-arteor / schnedier-zencelo / norisys / l&t anchor - woods/ hpl - smart / c&s-primo / havells - crabtree |
| Legrand / hensel / schneider / scame / spelsberg |
| Philips/ lighting technology/ regent/ zumtobel/ jaquar/ iguzzini/ erco / endo / bega / lumenpulse or |
| Jyoti / premier polyfilm limited (electromat)/ |
| Obo/jef/cape |