

### 1. LIST OF APPROVED MAKES FOR ELECTRICAL EQUIPMENT & MATERIALS

(All major equipment/Materials shall be tested and approved by CPRI/ERDA (NABL accredited laboratory) and shall carry ISI mark. All manufacturer shall possess valid ISO certificate)

Sl. No.	Equipment & materials	Makes
1	Low voltage switchgear enclosure (415v) (iec 61439 compliant) & switchgears	Schneider / legrand / siemens / abb / l&t
2	Ups system (uninterruptable power supply) (415/230v)	Apc-schneider / eaton / socomec / vertiv
3	Vrla smf battery	Excide / amararaja / rocket
4	Dbbs	Legrand - ekinox / schneider - acti9 / siemens / abb
5	Vfd (variable frequency drive)	Allen bradley / alstom / danfoss / siemens/ abb/ l&t yaskawa/honeywell
6	Motor starter	Abb / schneider / siemens / l&t
7	Cable (415v)	Rpg/ finolex / universal /havells
8	Disconnect switch	Schneider / abb / siemens / l&t
9	Wires/copper flexible cable	Finolex / havells / rajnigandha / rr kabel
10	Raceways and junction boxes	Mk / legrand / obo bettermann
11	Cable trays	Obo bettermann / legrand / indiana / profab
12	Spd (surge arrester)	Obo / legrand / schneider
13	Meters (analog)	Meco / rishabh / nippen / conserve / ae
14	Meters (digital)	Ae / schneider / nippen / conserve / l&t
15	Energy meter , load manager	Schneider (em 6400ng or equivalent) / l&t / nippen / hpl / socomec
16	Indicating lamps	Schneider / l & t / salzer
17	Rotary switch	Siemens / keycee / salzer / meco
18	Push button and push button set	Siemens / schneider electric / l & t / legrand / c&s / abb
19	Selector switch	Keycee / salzer / meco
20	Gi conduits and accessories	Bharat / supreme/bec
21	Control transformer [ pt / ct ]	Ashmor / kappa / elmex
22	Fire barrier	Obo bettermann / hilti / 3m
23	Terminal block	Essen / connect well /elmex
24	Control switch	Alstom/kaycee/switron
25	Hrc fuse	Siemens /l&t /alstom/s&s /cgl /ge /standard
26	Limit switch	Siemens /essen /bch /ind syndicate/epcc(kakku)
27	Elr with cbct	Kalpa / jvc / prok dv's
28	Overload relays with built in single phase preventer	Siemens/ abb/ l&t / schneider
29	Power/aux. Contactor	L&t / schneider
30	Auxiliary relays	Siemens / ge alstom / abb / jvs / prok dv's
31	Protection relay - electromagnetic type	Areva
32	Protection relay - numeric type	Areva / siemens / l&t / sel
33	1.1kv, grade lt fire survival cables	Anchor/finolex/ havells / kei/ kec
34	Signal cable	Enercon / lapp india / system tek / caliplast / eminent

35	Cable lugs	Dowell's / 3d / hex / jainson / comet / hmi
36	Bimetallic lugs	Hmi / hex / connect
37	Cable glands	3d / comet / hmi
38	Lt cable jointing kits(cold curing)	Reychem/3m
39	Pvc tape	Steel grip / isi apprved
40	Pvc junction box	Hensel / clipsal / spelsberg / scame / sintex
41	Ceiling fan / exhaust fan	Crompton / bajaj / orient / havells
42	Electric timer	Siemens / legrand / l&t / meco /telemechanique
43	Connectors (colours as per phase & neutral)	Wago / phoenix contact/ connectwell
44	Industrial socket with mcb	Legrand / schneider/mennekes
45	Modular switches, sockets & other accessories	Mk - blenze / legrand-arteor / schnedier-zencelo / norisys / l&t anchor - woods/ hpl - smart / c&s- primo / havells - crabtree
46	Metal clad socket with mcb	Legrand / hensel / schneider / scame / spelsberg
47	Public spaces light fixtures	Philips/ lighting technology/ regent/ zumtobel/ jaquar/ iguzzini/ erco / endo / bega / lumenpulse or As per final approval of fixture by architects.
48	Insulating mat	Jyoti / premier polyfilm limited (electromat)/
49	Eathing material	Obo/jef/cape