

List of sub-vendors for Contol, Relay and SAS Panels

Sl. No.	Item(s)	Name of Sub vendor	Location
1	Panel Fabrication	1. MPP Technologies pvt ltd, 2. Rittal 3.Vandan Industries 4.Jyotitech 5.Symatic 6.Fabionix 7.Other POWERGRID approved suppliers	1.Bangalore 2.Bangalore 3.Bangalore 4.Mumbai 5.Mumbai 6.Bangalore
2	Powder Coating (Painting) of Panels	1. PCPL 2. Rittal 3.Vandan Industries Powder coating unit 4. MJ Enterprises 5.JEM Industries 6. Fabionix 7. MPP 8.Other POWERGRID approved suppliers	1.Bangalore 2.Bangalore 3.Bangalore 4.Mumbai 5.Mumbai 6.Bangalore 7.PCPL,Bangalore
3	CRCA Sheet	1. Tata Steel, 2. Bhushan Steel, 3. JSW 4. ISPAT 5.Essar Steel Ltd 6.Other POWERGRID approved suppliers	1.Jamshedpur. 2.Khapoli. 3.Thane. 4.Dolvi 5.Gujarat
4	Panel Assembly/wiring	1.Indus Electro Controls 2.Ampere Power & Automation Technologies Pvt ltd 3 SNS Industries (assly of electromech & combiflex relays, valid up to 24.01.2019) 4. Adarsh Control Systems (for panel wiring & electrical integration in C&R panels) 5.Jyotitech Industries 6.Symatic 7.Alstom 8.Jai Ganesh Enterprises (valid up to 18.12.2017) 9.SIEMENS (valid up to 01.12.2017) 10.Other POWERGRID approved suppliers	1.Bangalore 2.Bangalore 3. Bangalore 4. Bangalore 5.Mumbai 6.Mumbai 7.Chennai 8.Bangalore 9.GOA
5	PVC Wires	1. Reliance Engineers 2. Fixwell 3. Finolex 4.SBEE cables India Ltd 5.Fine Core Cables 6. RR Kabel 7. Rolliflex 8. Polycab 9.LAPP India Pvt. Ltd. 10.Other POWERGRID approved suppliers	1.Bangalore. 2.New Delhi 3.Pune 4.Bangalore 5.Mysore 6.Daman 7.Daman 8.Daman 9.Bangalore
6	Gasket	1.ASP Sealing 2.JSON Polymer 3.Rittal 4.Other POWERGRID approved suppliers	1.Gazraula 2.Mumbai 3.Bangalore
7	Terminal Blocks	1.Elmex 2.Connectwell 3.Phoenix 4.Wago 5.Weidmuller 6.Other POWERGRID approved suppliers	1.Vadodara 2.Mumbai 3. Delhi 4.Mumbai 5.Germany
8	Transducers	1Automatic Electric 2.Elster 3.Rishab 4.Meco 5.Siemens 6.Other POWERGRID approved suppliers	1.Lonavala 2. Mumbai 3.Nasik 4.Mumbai 5.Germany

9	Indicating Instruments	1.Rishab 2.Meco 3.AE 4.Siemens 5.Secure 6.Other POWERGRID approved suppliers	1.Nashik 2.Mumbai 3.Mumbai 4.Germany 5.Udaypur
10	Auxiliary C.T's/P.T's	1.Narayan Powertech Ltd 2.Instrans 3.Kalpa Electrical Pvt Ltd 4.Precise 5.Silkans 6.Diana Electricals 7.Other POWERGRID approved suppliers	1.Baroda 2.Bangalore 3.Bangalore 4.New Mumbai 5.Mumbai 6.Chennai
11	Bay Control Unit (BCU)	1.ABB, 2.Siemens 3.ALSTOM 4.Schnieder 5.N R Electric 6.Other POWERGRID approved suppliers	1.Sweden /Finland/ Switzerland / India 2. Germany 3. Chennai/UK 4. Chennai/France 5.China
12	Numerical Relays	1.ABB, 2.Siemens 3.ALSTOM 4.Schnieder 5.N R Electric 6.Other POWERGRID approved suppliers	1.Sweden /Finland/ Switzerland / India 2. Germany 3. Chennai/UK 4.Chennai/UK 5. China
13	Non Numerical Relays	1.ABB 2.ALSTOM 3.Easun Reyrolle Ltd 4.Siemens	1.Bangalore 2.Chennai 3.Hosur / Bangalore 4. Germany
14	Push Button with elements	1.L&T 2.Siemens 3.Teknic 4.ABB 5.DeepI Elec 6.Sahyadri Electro Control 7.Vaishno 8.Other POWERGRID approved suppliers	1.Mumbai 2.Mumbai 3.Mumbai 4.Sweden / China 5.Mumbai 6.Bangalore 7.Mumbai
15	Selector Switches	1.Kaycee 2.Recom 3.Switron 4.ABB 5.Alstom 6.Salzer 7.Other POWERGRID approved suppliers	1.Mumbai 2.Mumbai 3.Nashik 4.Finland/Sweden 5.Chennai 6.Coimbatore
16	Control Switches	1.Alstom 2. Kaycee 3.Recom 4.Switron 5.ABB 6.Siemens 7.Other POWERGRID approved suppliers	1.Chennai 2.Mumbai 3.Mumbai 4.Nasik 5.Germany/ Finland 6.Mumbai
17	Test Terminal Block	1.Control Dynamics 2.IMP 3.DeepI Elec. 4.Nelster Welcon 5.Other POWERGRID approved suppliers	1.Vadodara 2.Mumbai 3.Mumbai 4.Mumbai

18	Fuse Fittings and Fuse Links	1.S&S 2.Copper Bussmen 3.ABB 4.Siemens 5.Switron 6. Deep Electrical 7.Other POWERGRID approved suppliers	1.Chennai 2.Pondycheery 3.Bangalore 4.Mumbai 5.Nashik 6.Mumbai
19	Synchronising Socket	1.Cutler Hammer (BCH) 2. AISTOM 3.Other POWERGRID approved suppliers	1.Faridabad 2.Chennai
20	Indicating Lamps	1.ABB Ltd 2.Teknic 3.S&S 4.Siemens 5.Binay 6.L&T 7.Other POWERGRID approved suppliers	1.Sweden / China / India 2.Mumbai 3.Chennai 4.Mumbai 5.Kolkata 6.Mumbai
21	Semaphore Indicators	1.DEEPL Electricals Pvt. Ltd. 2.ABB Ltd 3.Other POWERGRID approved suppliers	1.Mumbai 2.Bangalore
22	AC / DC MCB's	1.ABB 2.Indo Asian 3.Siemens 4.Legrand (earlier M/s MDS Switchgear) 5.Schneider Electric 6.Other POWERGRID approved suppliers	1.Bangalore 2.Noida 3.Mumbai 4.Mumbai 5.Noida/Chennai
23	Aux. Relays.	1.ABB 2.Alstom 3.Easun Reyrolle Ltd 4.Siemens 5.Schnieder branded(Arteche, Spain make) Valid up to 29.11.2018 6. N R Electric 7.Other POWERGRID approved suppliers	1.Bangalore & Vadodara 2.Chennai 3.Hosur / Bangalore 4.Germany 5.Chennai 6.China
24	Control Interposing Relays	1.Siemens 2.Telemecanique(Schnieder) 3.Omron India 4.O/E/N India Ltd. 5.Other POWERGRID approved suppliers	1.India 2.India 3.India 4.India
25	Annunciator	1.Alan Electronic systems Pvt Ltd, 2.Bharani Electronics 3.Sahyadri Electro Control 4.Minilec 5.Proton 6.Other POWERGRID approved suppliers	1.Mumbai 2.Chennai 3.Bangalore 4.Mumbai 5.Pune
26	Energy Meters	1.Secure Meter 2.L&T Meters 3.Other POWERGRID approved suppliers	1.Udyapur 2.Mysore
27	Event logger	1.Qualitrol Hathaway (SER-500) 2.ALSTOM (MICOM C-264) 3.Other POWERGRID approved suppliers	1.UK/USA/Northern Ireland 2 UK /USA
28	Disturbance Recorder	1.Alstom/Bitronics (M87x) 2.ERL Phase Power Technologies (Type TESLA-4000) 3. N R Electric (Model-PCS-996R) 4. Qualitrol (Approval valid up to 11.05.2017) 5. Other POWERGRID approved suppliers	1.Stafford(UK)/USA 2.Canada 3.China 4. UK

29	Time Synchronisation Equipment	1.Qualitrol Hathaway 2.MeinBerg 3.SIEMENS (approval valid up to 27.01.2017) 4.Arbitr 5.Masibus 6.Signals & Systems (I) Pvt. Ltd (valid up to 12.05.2018) 7.SERTEL Electronics Pvt LTd (valid up to 11.01.2019) 8.Other POWERGRID approved suppliers	1.UK/USA 2.Germany 3.Germany 4.Gandhinagar 5.Germany 6.Chennai 7.Chennai
30	PC based Relay Test Kit	1.Omicron 2.Doble 3.Other POWERGRID approved suppliers	1.USA / Australia/HongKong/Austria 2.USA
31	Industrial PC	1.Advantech Co. Ltd 2.Portwell- Laxsons 3.Technic 4.Other POWERGRID approved suppliers	1.Taiwan 2.daman 3.New Delhi
32	LAPTOP	1.Dell 2.IBM 3.HP 4.Other POWERGRID approved suppliers	1.Malyasia /INDIA 2.Singapore /INDIA 3.Singapore/INDIA
33	Buzzer/Hooter/Bell	1.Alan 2.Bharani Electronics 3.Sahyadri Electro Control 4.Vaishno 5.Other POWERGRID approved suppliers	1.Mumbai 2.Chennai 3.Bangalore 4.Mumbai
34	Thermostats	1.Girish 2.Thermotral 3.APT control 4.Vikas Electricals 5.Girishego 6.Other POWERGRID approved suppliers	1.Bangalore 2.Bangalore 3.Mumbai 4.Mumbai 5.Mumbai
35	Space Heater	1.Sofia Electricals 2.Surya Electricals 3.KS Instruments 4.APT Control 5.Other POWERGRID approved suppliers	1.Chennai 2.Chennai 3.Bangalore 4.Mumbai
36	Lugs	1.Dowells 2.Other POWERGRID approved suppliers	1.India
37	Test Blocks/Plugs for Relays	1.ALSTOM 2.ABB 3.Siemens 4.Other POWERGRID approved suppliers	1.Chennai 2.Bangalore 3.India
38	Illumination lamps	1.Philips 2.Havells 3.Crompton Greaves 7.Other POWERGRID approved suppliers	1.India 2.India 3.India
39	Fasteners	POWERGRID Approved sources	Refer COV
40	Limit switches (Door switches)	1.Siemens 2.Kaycee 3. Suraj 4.Elmeo 5.Vaishno 6.Other POWERGRID approved suppliers	1.Mumbai 2.Mumbai 3.Mumbai 4.Thane 5.Mumbai/Noida
41	Auxillary contactors	1.Telemechanic 2.L&T 3.Siemens 4.Scheider 5.Other POWERGRID approved suppliers	1.India 2.Mumbai 3.Mumbai 4.Chennai/Nashik
42	Plug-Switch socket	1.Oswal 2.Anchor 3.Gold Medal 4.Other POWERGRID approved suppliers	1.India 2.India 3.India

43	Inverter	1. Alan 2. Power One (approved for UPS also) 3. Novateur (approved for UPS also) 4. Other POWERGRID approved suppliers	1. Mumbai 2. Bangalore 3. Pudducherry
44	Ethernet Switch	1. Ruggedcom 2. Garretcom 3. Hirschman 4. Other POWERGRID approved suppliers	1. Cannada 2. USA 3. Germany
45	PLCC Modem	1. ABB 2. SIEMENS 3. Decode 4. N R Electric 5. Other POWERGRID approved suppliers	1. India 2. India 3. Serbia 4. China
46	FO Cable	1. AKSH 2. Finolex (Patch card from M/s Preston, Gurgaon) 3. Other POWERGRID approved suppliers	1. India 2. India
47	Laser Jet Print	1. HP 2. Canan 3. Xerox 4. Other POWERGRID approved suppliers	
48	Dot Matrix Printer	1. EPSON 2. TVS 3. Other POWERGRID approved suppliers	
49	Travelling wave fault locater	1. Qualitrol (Model-FL8) valid up to 26.07.2017	1. UK

Note: Any sub vendor already approved by POWERGRID and not appearing in this list can be informed to Corporate, QA&I Department with relevant documents/evidence as a proof of POWERGRID approval. On review of these documents and if, necessary after audit/ re-assessment, their name may be considered for inclusion in this list.