

SECTION 8020

LIST OF RECOMMENDED MANUFACTURERS AND BRANDS OF MATERIALS/EQUIPMENT

This list of recommended manufacturers or brands of different materials or equipments is provided in order to establish a standard level of performance. The contractor is bound to provide and fix the materials or equipments of superior quality approved by the Engineer only from the list unless otherwise specified in relevant equipment specification clauses, drawings and BoQ. However, the material provided from the List of Recommended Manufacturers and Brands or mentioned in other relevant equipment specification clauses or drawings or BoQ shall meet all the requirements of the relevant specification(s) comes under specification section 8001 of the tender documents. The contractor shall procure from recommended manufacturers or brands mentioned this Section 8020 here under or in relevant equipment specifications or drawings or BoQ of different material or equipments, from their authorized dealers or agents. The contractor shall provide the letter of authorization from the principal, for dealer's letter of dealership from the authorized dealer(s) and delivery challan(s) for ensuring the quality of purchased equipment. The nomenclature to mentioned manufacturers or brands name hereunder is as, manufacturer or brand name or both is mentioned first and then afterwards in bracket country of origin of manufacturer is mentioned.

SR. NO.	MATERIALS	MANUFACTURER/BRANDS OF MATERIALS/EQUIPMENT
	CABLES & ACCESSORIES	
1.	LV Wiring Cables (300 / 500 Volts)	Pakistan Cables, Pioneer Cables, Fast Cables, Allied Cables, AGE,
2.	LV Power Cables (600 / 1000 Volts)	Pakistan Cables, Pioneer Cables, Fast Cables, Allied Cables, AGE,
3.	High Voltage Cables(15 kV)	Pakistan Cables, Pioneer Cables, AGE
4.	MV Termination/Straight Jointing kit (Hot/Cold Termination)	Raychem (Germany), 3M (USA), Elastimold (Egypt), DSG-CANUSA (GmbH)
5.	CAT Cables	3M, Indus Cables, Draka Cables, Clipsal, Norden Communication, Pony, Leviton
6.	Fire Resistant Cables	Prismian, Cavicel, Context Plus, Indus Cables,
7.	Glands, Lugs, Ferrules, Connectors	Cembre (Italy), Hellermanntyton (UK)
8.	Cable Tagging/Labelling System	Cembre (Italy), Hellermanntyton (UK)
	PVC AND STEEL CONDUIT	
9.	PVC Conduit & Accessories/ Halogen free PVC conduit for special applications	Beta, Popular, Tesco, Galco, Jeddah Polymer, Dadex, Decoduct, Euro Gulf, Pak Arab, Civic, Adamjee (Durabuilt)
10.	Steel Conduit & Accessories	Hilal Industries, IIL, Jamal, Poineer, Dietzel-Univolt (Austria)

	ELECTRICAL COMPONENTS	
11.	LV Circuit Breakers (MCB, MCCB, ELCB, ACB)	Merlin Gerin (MG) (France), Siemens (Germany), ABB (France), Terasaki (Japan), LS (Korea), Legrand (France), Silk Engineering
12.	LV Magnetic Contactor, Starters & Thermal Overload Relay	ABB (France), Siemens (Germany), Schneider Electric, National/Panasonic (Japan), LS (Korea), Legrand (France), Silk Engineering
13.	Power Capacitor	National / Panasonic (Japan), Ducati (Italy), Entes (Turkey), Nokian (Finland), Janitza (Germany), Schneider Electric
14.	LV Capacitor	Amber Capacitor (Pakistan), Entes (Turkey), Nokian (Finland), INCR (Italy), Schneider Electric, Gruppo Energia (Italy)
15.	PF Controller	Nokian (Finland), ABB (Finland), Siemens (Germany), Schneider Electric, Entes (Turkey), Ducati (Italy)
16.	Series Reactor	National / Panasonic (Japan), Nokian (Finland), Schneider Electric
17.	Timer	National / Panasonic (Japan) , Entes (Turkey), ABB (Germany), GE (EU)
18.	Push buttons and indication lights	Maruyasu (Japan), GE (EU), Schneider Electric
19.	Current Transformer/Voltage Transformer	Circutor (Italy), Revalco (Italy), Entes (Turkey), Complee
20.	Measuring Instrument	Revalco (Italy), Circutor (Italy), Entes (Turkey), Lumel (Poland), Complee
21.	Programmable Logic Controllers	Siemens, ABB, LG, Schneider Electric
22.	VSS/ASS	Breter (Italy), Kraus & Naimer (NZ), MERZ (Germany), Schneider Electric
23.	HRC Fuses	Siba (Germany), ETI, KP
	TRANSFORMER	
24.	Pad Mounted Transformers (11/0.415 kV)	Siemens, Climax, PEL, Transfopower
	ELECTRIC PANELS	
25.	LV Panel	Hussian & Co, Baber Brothers, Schneider, Siemens, JEI Switchgear, Libra, Bilal S/G Engg., HRA Switchgear, Premier Engineering, Karimi Electromech Systems
26.	11 kV Panels	Siemens, Schneider (formerly Areva), PEL
27.	Busbar Trunking System	Schneider, Siemens, EAE (Turkey), Gersan (Turkey), Legrand (France)

	LIGHTING FIXTURE & COMPONENTS	
28.	Surface/recessed office luminaries (3 years warranty minimum)	Philips, Britlite Engineering, Pierlite, Unilux, Sunlight, Future Technologies
29.	Battens	Philips, Britlite Engineering, Pierlite, Unilux, Sunlight, Future Technologies
30.	Downlights	Philips, Thorn, Britlite Engineering, Pierlite, Unilux, Sunlight, Future Technologies
31.	Exit Emergency Light Fixture	Philips, Lverlux, Menvier, Pierlite (Australia), Unilux, Sunlight, Osaka, Future Technologies, Electroline
32.	Lamps	Source as approved by the "Engineer"
33.	Control gear	Source as approved by the "Engineer"
34.	Connectors/holders	Source as approved by the "Engineer"
	SWITCHES & SOCKETS	
35.	Switches	MK, Clipsal, ABB (Germany), Legrand (France), Hager (France), Orange
36.	Sockets	MK, Clipsal, ABB (Germany), Legrand (France), Hager (France), Orange
37.	Dimmer / Fan Speed Controller	MK Clipsal, ABB (Germany), Legrand (France), Hager (France), Orange
38.	Connection Unit	MK, Clipsal, ABB (Germany)
39.	Voice/TV/Data Outlets	MK, Clipsal, ABB (Germany), Legrand (France), Hager (France)
40.	Back Boxes	MK, Dietzel-Univolt (Austria), Clipsal (Australia), Hussain & Co.
41.	High Current Switches	MK, Clipsal, ABB (Germany), Legrand (France), Hager (France)
	DIESEL GENERATOR SET	
42.	Couplers	Siemens, Caterpillar, SDMO, FG -Wilson, Doosan, Mitsubishi, VPL, Cummins (The brand should consists of components as mentioned in list of approved manufacturers)
43.	Engine	Cummins, John Deere, Perkins, MTU, Mitsubishi, Doosan
44.	Alternator	Stamford, Caterpillar, Mitsubishi, Leroy Somer
45.	Generator Module	Datakom (Turkey), Deepsea Electronics (UK)

46.	ATS/AMF, Generator Panels	Refer to heading Electrical Panels in the List of Approved Manufacturer's.
	ELECTRONICS/COMPUTER EQUIPMENT	
47.	UPS	APC (USA), MG (France), ELIT (Italy), ABB (Switzerland), Alberex, GTEC(Italy)
48.	Fire Alarm System	Simplex (USA), Gent-Honeywell (USA/UK/EU), Edwards (USA), GST (UK), Cooper Menvier (UK), Notifier, Inim Electronics Italy, C-Tec U. K.
49.	Public Address System	TOA (Japan), Bosch (EU), Optimus (Spain), Honeywell
50.	Burglar Alarm System	DSC (Canada), Texicom (UK), Bosch (Germany)
51.	CCTV System	Pelco (USA), Bosch (EU), Sony (Japan), Optimus (Spain), Hyundai (Korea), Watchnet (Canada)
52.	CATV	WISI (Germany), Scientific Atlanta (USA), Pony, Leviton (USA)
53.	Lightning Protection & Earthing System	Aplicaciones Tecnologicas (Spain), Furse (UK), Duval – Messien (France), Thermo Weld (USA)
54.	PABX	LG-Ericsson, Panasonic
55.	Access Control System	Cavdax Gallaghev (Newzealand)
	COMPUTER NETWORK SYSTEM/COMPONENTS	
56.	Structured Cabling	3M (USA), Panduit (USA), Clipsil-Schneider (France), Leviton (USA)
57.	Ethernet Switches	CISCO (USA)
58.	Cable Trunking & Accessories	Dietzel-Univolt (Austria), MITA-Schneider (France), Davis (Malaysia), NAXSO (Italy), Karimi Electromech Systems, EAE (Turkey)
	MISC MATERIALS	
59.	Bricks, Sand, Crushed Stone Aggregate, Cement	Source as approved by the "Engineer"
60.	Steel Reinforcement	AFCa, Mughal, Amrelli, Fazal, Razzaq, Prime, Metropolitan, Nawab, Pak Steel, PECA, Nazir, Punjab, Hyderi, Ittehad, RK Steel, Ashraf Industries (The Contractor must provide a certification from the concerned Steel Mill that the steel reinforcement has been manufactured from Pakistan Steel Mill billet, and should conform to the specification and to the satisfaction of the Engineer).
61.	Anti-Termite	Termidor, Biflex, Dursban
62.	Construction Chemicals	Vandex, FEB, SIKA, Fosroc
63.	Cable Tray with accessories	Ashraf Industries, Ezzi Engineering, Electroline
64.	Tubular Poles	Jamal Pipes, PECO, Excel Engineering, Lion Industries, Farhan Mechanical Works

