SECTION-G

LIST OF APPROVED MAKE

Sl. No.	Description of Materials / Equipment	Approved Manufacturer's/ Makes		
		HIGH END/LUXURY	ASPIRATION	CASA
1.	**HT EQUIPMENTS**			
i	HT 11kV SF6 CB Panel	Schneider Siemens ABB	Schneider Siemens ABB C&S	Schneider Siemens ABB C&S
ii	HT 11kV Ring Main Units	Schneider Siemens ABB	Schneider Siemens ABB C&S	Schneider Siemens ABB C&S
iii	Dry/Oil Type Transformers	AS PER MSEDCL	AS PER MSEDCL	AS PER MSEDCL
v	HT SF6 CB	Schneider Siemens ABB	Schneider Siemens ABB C&S	Schneider Siemens ABB C&S
vi	HT Isolators	Schneider Siemens ABB	Schneider Siemens ABB C&S	Schneider Siemens ABB C&S
vii	HT Protection Relay-Numeric Type	Siemens ABB Schneider AREVA L&T Woodward	Siemens ABB Schneider AREVA L&T Woodward	Siemens ABB Schneider AREVA L&T Woodward
2.	**ELECTRICAL CABLES & WIRES**			
i.	PVC, FR/FRLS/ LSZH/, insulated, multi-stranded, flexible copper wire, up to 1.1 kV grade	AVOCAB Polycab KEI Finolex	AVOCAB Polycab KEI Finolex	AVOCAB Polycab KEI Finolex
ii.	Heavy duty PVC, XLPE/ FR LV Cables up to & including 1.1kV grade	AVOCAB Polycab KEI Finolex	AVOCAB Polycab KEI Finolex	AVOCAB Polycab KEI Finolex
iii.	Heavy duty PVC, XLPE insulated MV Cables for 11/22kV grade	As per MSEDCL approved	As per MSEDCL Approved	As per MSEDCL Approved
iv.	Mica glass/LSZH fire resistant cross linked compound insulated Fire survival cable (PH120) for up to 1.1kV grade	AVOCAB INDIA IMPEX Polycab	AVOCAB INDIA IMPEX Polycab	AVOCAB INDIA IMPEX Polycab
v	Fire Spray On Cable – Endothermic	KBS Passive Fire HILTI SGS 3M	KBS Passive Fire HILTI SGS 3M	KBS Passive Fire HILTI SGS 3M

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3.	**Gland & Termination**			
i.	HT Termination Kits/ Straight through joints	Raychem (Tyco Electronics) 3M India REPL	Raychem (Tyco Electronics) 3M India REPL	Raychem (Tyco Electronics) 3M India REPL
ii.	LV Jointing Kit/Termination	RAYCHEM(Tyco Electronics) 3M India REPL	RAYCHEM(Tyco Electronics) 3M India REPL	RAYCHEM(Tyco Electronics) 3M India REPL
iii.	Cable Glands & Bi-Metallic Crimping Type Lug	Comet Dowel Braco HMI Commex Gripwell	Comet Dowel Braco HMI Commex Gripwell	Comet Dowel Braco HMI Commex Gripwell
iv.	CRIMPING LUGS/ THIMBLES	Comet Dowell Billet	Comet Dowell Billet	Comet Dowell Billet
4.	**CONTAINMENT WITH SUPPORT**			
i.	Cable Trays / Trunking	Profab Indiana Elcon	Profab Indiana Elcon	Profab Indiana Elcon
ii.	G.I. Pipes	Jindal (Hisar) Tata	Jindal (Hisar) Tata	Jindal (Hisar) Tata
iii.	G.I. Conduit pipe & accessories (ISI marked)	B.E.C. NIC AKG BE.	B.E.C. NIC AKG BE.	B.E.C. NIC AKG BE.
iv.	PVC Conduit pipe (ISI marked)	Precision Plastic Astral Polycab	Precision Plastic Astral Polycab	Precision Plastic Astral Polycab
v.	PVC Conduit accessories (Including Fan Box)	Precision Plastic Astral Polycab	Precision Plastic Astral Polycab	Precision Plastic Astral Polycab
vi.	M.S. Steel (Angle. Channel, Strip, sheet)	Tata Sail	Tata Sail	Tata Sail
vii.	Anchor Fasteners	Hilti Fischer Arrow	Hilti Fischer Arrow	Hilti Fischer Arrow
viii.	Cable supports (for Lift Shafts)	ELECTROMAC INDUSTRIES Remora Electrical Ltd. Diamond Pipe Supports Pvt. Ltd.	ELECTROMAC INDUSTRIES Remora Electrical Ltd. Diamond Pipe Supports Pvt. Ltd.	ELECTROMAC INDUSTRIES Remora Electrical Ltd. Diamond Pipe Supports Pvt. Ltd.

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5.	**PANELS & ACCESSORIES**			
i.	Measuring Instruments	Schneider Electric AREVA ABB L&T	Schneider Electric AREVA ABB L&T	Schneider Electric AREVA ABB L&T
ii.	Panel Accessories	Siemens Teknic Rishab BCH	Siemens Teknic Rishab BCH	Siemens Teknic Rishab BCH
iii.	Protective relays	Siemens ABB AREVA L&T GE	Siemens ABB AREVA L&T GE	Siemens ABB AREVA L&T GE
iv.	Control Fuses with base	Siemens GE ABB Schneider L&T	Siemens GE ABB Schneider L&T	Siemens GE ABB Schneider L&T
v.	CTs/ PTs	AEI Kappa Pragati Gilbert & Maxwell	AEI Kappa Pragati Gilbert & Maxwell	AEI Kappa Pragati Gilbert & Maxwell
vi.	Selector switch	Siemens Salzer L&T BCH KAYCEE	Siemens Salzer L&T BCH KAYCEE	Siemens Salzer L&T BCH KAYCEE
vii.	Push Buttons (different colours)	Tecnik Siemens L&T Vaishnav	Tecnik Siemens L&T Vaishnav	Tecnik Siemens L&T Vaishnav
viii.	Indicating Lamps – LED type	Tecnik Siemens L&T	Tecnik Siemens L&T	Tecnik Siemens L&T
ix.	Terminal strip	Obo Bettermann Wago Connectwell Phoneix Elmex	Obo Bettermann Wago Connectwell Phoneix Elmex	Obo Bettermann Wago Connectwell Phoneix Elmex

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x.	Contactors & Timers	Siemens Schneider Telemechanic ABB L&T GE	Siemens Schneider Telemechanic ABB L&T GE	Siemens Schneider Telemechanic ABB L&T GE
xi.	Programmable timer	Siemens Schneider ABB L&T	Siemens Schneider ABB L&T	Siemens Schneider ABB L&T
xii.	Auxiliary relays	Siemens AREVA ABB Schneider GE L&T	Siemens AREVA ABB Schneider GE L&T	Siemens AREVA ABB Schneider GE L&T
xiii.	ELCB, MCB, RCCB & Distribution Boards (L+P)	Legrand Siemens L&T ABB Schneider	Legrand Siemens L&T ABB Schneider	Legrand Siemens L&T ABB Schneider
xiv.				
xv.	MCCB (electronic/Thermal magnetic protection)	Schneider- COMPACT NS L&T- D-SINE ABB - Isomax Siemens-(SENTRON 3VL)	Schneider- COMPACT NS L&T- D-SINE ABB - Isomax Siemens-(SENTRON 3VL)	Schneider- COMPACT NS L&T- D-SINE ABB - Isomax Siemens-(SENTRON 3VL)
xvi.	ACBs (electronic protection)	Schneider- COMPACT NS L&T- D-SINE ABB - Isomax Siemens-(SENTRON 3VL)	Schneider- COMPACT NS L&T- D-SINE ABB - Isomax Siemens-(SENTRON 3VL)	Schneider- COMPACT NS L&T- D-SINE ABB - Isomax Siemens-(SENTRON 3VL)
xvii.	Capacitors with Harmonic Filters	Siemens- EPCOS ABB DUCATI L&T	Siemens- EPCOS ABB DUCATI L&T	Siemens- EPCOS ABB DUCATI L&T
xviii.	Surge Arrestors(All Types)	Emerson FURSE DEHN ABB OBO BETTERMANN	Emerson FURSE DEHN ABB OBO BETTERMANN	Emerson FURSE DEHN ABB OBO BETTERMANN

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xix.	Automatic Transfer Switches Electromechanical Interlocks.	ASCO SOCOMEC	ASCO SOCOMEC	ASCO SOCOMEC
xx.	Switch Fuse Units	Siemens L&T ABB	Siemens L&T ABB	Siemens L&T ABB
xx.	Cubicle LV Panels Main Distribution Boards (MDB), Sub-Main Distribution Boards (SMDB)	Arrow Engineers Zenith Power Control Scoot Engineering Marine Electrical Sterling Wilson	Arrow Engineers Zenith Power Control Scoot Engineering	Arrow Engineers Zenith Power Control Scoot Engineering
6.	**BUS RISERS/BUS DUCTS & ACCESSORIES**			
i.	Busduct / Bus riser & Accessories (Bends, Tees, Elbows, Flexible joints etc).	Siemens Schneider EAE L&T Legrand C&S	Siemens Schneider EAE L&T Legrand C&S	Siemens Schneider EAE L&T Legrand C&S
7.	**LIGHTINGS & CONTROLES**			
i.	Luminaries	Philips Lighting Thorn Lighting Wipro Schreder Zumtobel Erco	Philips Lighting Thorn Lighting Wipro Schreder Zumtobel Erco	Philips Lighting Thorn Lighting Wipro Schreder Zumtobel Erco
ii.	Lighting Controls	Lutron Siemens Legrand Helvar Beckhoff ABB Philips	Lutron Siemens Legrand Helvar Beckhoff ABB Philips	Lutron Siemens Legrand Helvar Beckhoff ABB Philips
iv.	Lamps / Tubes	Philips Wipro Osram Crompton GE	Philips Wipro Osram Crompton GE	Philips Wipro Osram Crompton GE

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v.	Luminaire Ballasts Electronic Non-Dimmable (EEI = A2)	Tridonic Philips OSRAM Lutron Wipro Vossloh Atco	Tridonic Philips OSRAM Lutron Wipro Vossloh Atco	Tridonic Philips OSRAM Lutron Wipro Vossloh Atco
	Luminaire Ballasts Electronic Digital Dimmable (EEI = A1)	Tridonic Philips OSRAM Lutron Wipro	Tridonic Philips OSRAM Lutron Wipro	Tridonic Philips OSRAM Lutron Wipro
	Luminaire Ballasts Analogue Dimmable (EEI = A1)	Tridonic Philips OSRAM Lutron Wipro	Tridonic Philips OSRAM Lutron Wipro	Tridonic Philips OSRAM Lutron Wipro
vi.	Aviation Lighting-LED	Orga Aviation BV Cooper BINAY OPTO ELECTRONICS P.LTD Contarnax Europe Limited AVAIDS Technovators Hughey & Phillips Bajaj	Orga Aviation BV Cooper BINAY OPTO ELECTRONICS P.LTD Contarnax Europe Limited AVAIDS Technovators Hughey & Phillips Bajaj	Orga Aviation BV Cooper BINAY OPTO ELECTRONICS P.LTD Contarnax Europe Limited AVAIDS Technovators Hughey & Phillips Bajaj
vii.	Lighting Poles (Hex, Angular, Ms Tubular, Decorative)	Bajaj Electricals Keselec K-Lite Bombay Tubes & Poles	Bajaj Electricals Keselec K-Lite Bombay Tubes & Poles	Bajaj Electricals Keselec K-Lite Bombay Tubes & Poles
8.	**INVERTER & UPS SYSTEM**			
i.	Battery Charger	Hitachi Amara Raja Mastech	Hitachi Amara Raja Mastech	Hitachi Amara Raja Mastech

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ii.	Battery (Lead acid Maintenance Free)	Hitachi Amara Raja HBL Nife Exide BOSCH Yuasa	Hitachi Amara Raja HBL Nife Exide BOSCH Yuasa	Hitachi Amara Raja HBL Nife Exide BOSCH Yuasa
iii.	UPS System	Emerson APC CHLORIDE Toshiba Corporation MGE	Emerson APC CHLORIDE Toshiba Corporation MGE	Emerson APC CHLORIDE Toshiba Corporation MGE
iv.	Inverters	Megatech Microtek Luminous Vivtar Electronics	Megatech Microtek Luminous Vivtar Electronics	Megatech Microtek Luminous Vivtar Electronics
9.	**SWITCHES & SOCKETS**			
i.	Switch, socket with switch (BOH)	Legrand (Arteor)	Legrand (Myrius)	Legrand (Mylinc)
ii.	Weather Proof/Industrial Socket outlets (poly carbonate body IP67/IP65)	MK Hensel Clipsal Scame Legrand	MK Hensel Clipsal Scame Legrand	MK Hensel Clipsal Scame Legrand
10.	**ELV WIRES & ACCESSORIES**			
i.	TV co-axial cable	Finolex Havells Delton Nicco Polycab	Finolex Havells Delton Nicco Polycab	Finolex Havells Delton Nicco Polycab
ii.	Telephone cables	Finolex Havells Delton Nicco Polycab	Finolex Havells Delton Nicco Polycab	Finolex Havells Delton Nicco Polycab
iii.	Telephone Tag Blocks	Krone ITL Delton	Krone ITL Delton	Krone ITL Delton

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iv	Communication/DATA cable CAT-V/CAT-VI(UTP)	Delton D-Link Amp(TE) DigiLink Finolex	Delton D-Link Amp(TE) DigiLink Finolex	Delton D-Link Amp(TE) DigiLink Finolex
11.	**Lightning Protection Equipment**	Furse ERICO A N Wallis & Co., Ltd. Kingsmill Industries Indelec	Furse ERICO A N Wallis & Co., Ltd. Kingsmill Industries Indelec	Furse ERICO A N Wallis & Co., Ltd. Kingsmill Industries Indelec
12.	**OTHERS**			
i.	Variable Frequency Drive	Siemens ABB Allen Bradley Danfoss Schneider Electric GE	Siemens ABB Allen Bradley Danfoss Schneider Electric GE	Siemens ABB Allen Bradley Danfoss Schneider Electric GE
iii.	Fire Stop Material	Birla 3 M Hilti Tremco Specified Technology Metacaulk Nullifire	Birla 3 M Hilti Tremco Specified Technology Metacaulk Nullifire	Birla 3 M Hilti Tremco Specified Technology Metacaulk Nullifire
iv.	Cu. Strip and earthing material	Ashlok Furse Kingsmill Erico Indiana Bharti JMV LPS limited	Ashlok Furse Kingsmill Erico Indiana Bharti JMV LPS limited	Ashlok Furse Kingsmill Erico Indiana Bharti JMV LPS limited
v	G.I. Strip	Indiana Bharti ISI/CPRI approved	Indiana Bharti ISI/CPRI approved	Indiana Bharti ISI/CPRI approved
vi	Seismic Vendor	Kinetics Mason Vimco Easy flex	Kinetics Mason Vimco Easy flex	Kinetics Mason Vimco Easy flex

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13.	**DG set**			
	<u>750kVA and above</u>			
i	DG vendor	Power Engineering Sterling Wilson Gmmco Powerica	Power Engineering Sterling Wilson Gmmco Powerica	Power Engineering Sterling Wilson Gmmco Powerica
ii	Generators Engine:	Kolher, Perkins, MTU, Cummins, Caterpillar	Kolher, Perkins, MTU, Cummins, Caterpillar	Kolher, Perkins, MTU, Cummins, Caterpillar
iii	Alternator	Leroy Somer, Stamford	Leroy Somer, Stamford	Leroy Somer, Stamford
	<u>250kVA–630kVA</u>			
i	DG vendor	Power Engineering Sterling Wilson Gmmco Powerica	Power Engineering Sterling Wilson Gmmco Powerica	Power Engineering Sterling Wilson Gmmco Powerica
ii	Generators Engine:	Perkins, Cummins, Eicher, Volvo	Perkins, Cummins, Eicher, Volvo	Perkins, Cummins, Eicher, Volvo
iii	Alternator	Leroy Somer, Stamford	Leroy Somer, Stamford	Leroy Somer, Stamford
	<u>Up to 250kVA</u>			
i	DG vendor	Power Engineering Sterling Wilson Gmmco Powerica Goel Power (tenant / MHADA / rehab / EWS building)	Power Engineering Sterling Wilson Gmmco Powerica Goel Power (tenant / MHADA / rehab / EWS building)	Power Engineering Sterling Wilson Gmmco Powerica Goel Power (tenant / MHADA / rehab / EWS building)

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ii	Generators Engine:	Volvo, Perkins, Cummins, Eicher, Tata, Mahindra, FG Wilson, Kirloskar (tenant / MHADA / rehab / EWS building)	Volvo, Perkins, Cummins, Eicher, Tata, Mahindra, FG Wilson, Kirloskar (tenant / MHADA / rehab / EWS building)	Volvo, Perkins, Cummins, Eicher, Tata, Mahindra, FG Wilson, Kirloskar (tenant / MHADA / rehab / EWS building)
iii	Alternator	Leroy Somer, Stamford	Leroy Somer, Stamford	Leroy Somer, Stamford
Iv	AMF Controller	Dipsy Woodward	Dipsy Woodward	Dipsy Woodward
v	Tube Axial Fans	Greenheck Kruger Flaktwoods Nuaire Dynair Carryaire	Greenheck Kruger Flaktwoods Nuaire Dynair Carryaire	Greenheck Kruger Flaktwoods Nuaire Dynair Carryaire
vi	Flexible duct connector	Mapro Kanwal Industries Corporation Resistoflex Easy flex	Mapro Kanwal Industries Corporation Resistoflex Easy flex	Mapro Kanwal Industries Corporation Resistoflex Easy flex
vii	Double Wall Corrugated-DWC duct/pipe	Rex Alcorr	Rex Alcorr	Rex Alcorr
viii.	Sound Attenuator	Caryaire George Rao Ravistar UNIFLAIR	Caryaire George Rao Ravistar UNIFLAIR	Caryaire George Rao Ravistar UNIFLAIR
viii.	Louvers – Normal and Acoustic	Air Master Caryaire Cosmos George Rao & Co. Dynacraft Ravistar	Air Master Caryaire Cosmos George Rao & Co. Dynacraft Ravistar	Air Master Caryaire Cosmos George Rao & Co. Dynacraft Ravistar
ix	Insulation Fibreglass (Foil Faced)	Owens Corning UP Twiga	Owens Corning UP Twiga	Owens Corning UP Twiga
x	Insulation Expanded Polystyrene (TF Quality)	Beardsell Coolite DEBS Products Styrene Packaging Toshiba	Beardsell Coolite DEBS Products Styrene Packaging Toshiba	Beardsell Coolite DEBS Products Styrene Packaging Toshiba
xi	M.S. Pipe upto 200 MM Dia	Jindal Tata Steel Zenith	Jindal Tata Steel Zenith	Jindal Tata Steel Zenith
xii	MS PIPES above 200 mm dia factory rolled	Jindal Tata steel Mukund Steel SAIL	Jindal Tata steel Mukund Steel SAIL	Jindal Tata steel Mukund Steel SAIL