SECTION-G

LIST OF APPROVED MAKE

1.1 GENERAL

1. The Contractor shall offer all materials for inspection prior to dispatch. All materials not otherwise specified shall be in accordance with the latest Indian Standard Specification, or with Standards as listed in the Contract documents. The Contractor - where deemed necessary by the Client and at the Contractors expense - shall be bound to offer samples of materials, which are claimed to be conforming to IS Specifications, for testing at an approved Test Laboratory.

2. The Contractor shall purchase all materials from the makers or their authorized stockiest only. Necessary Purchase Orders / Delivery Dockets or such documentary evidences as deemed necessary must be provided to the Client on demand.

Sr. No.	Details of Materials / Equipment	Manufacturer's Name
1.0	**FAVA System**	
a.	Main Fire Alarm Control Panel (MFACP@ P0)& (FACP @L42A) (Complete with DVCC, 2 way fire fighter's Communication, Emergency Voice evacuation & repeater Panel Graphic Display Software)	Edwards Notifier Siemens Cooper Simplex Johnson Controls ATEIS Bosch Honeywell - Esser
b.	Auto Dialler (DACT)	Edwards Notifier Siemens Simplex Johnson Controls Securico Bosch ADT
c.	Touch Screen	Notifier Johnson Control Honeywell
d.	MP3	Sony Panasonic Samsung LG
e.	Sealed maintenance free batteries	Exide GS Batteries (Japan Storage Co Ltd.) AMARON Hitachi
f.	Power Supply unit (Non UL)	MRE SAFE Enstar
2.0	**FA Signalling Devices**	
a.	Manual call stations/ Hooters/ Strobes	Edwards Notifier Siemens Cooper Simplex Johnson Controls ATEIS Bosch Honeywell - Esser
b.	Fire Sensors & module	Edwards

Sr. No.	Details of Materials / Equipment	Manufacturer's Name
		Notifier Siemens Cooper Simplex Johnson Controls ATEIS Bosch Honeywell - Esser
c.	Response Indicator	Agni System Sensor ISI Marked
d.	FA Beacon & Control panel	BINAY OPTO ELECTRONICS P.LTD AVAIDS Technovators Klite
e	Data Switches, receiver , media converter	3-Com AVAYA CISCO Clipsal
f.	UPS System	Emerson Vivitar Luminous Consul Neowatt
3.0	**VA Devices**	
a.	Voice Alarm System and all accessories	ATIES (Switzerland) Bosch - Praesideo Simplex Notifier Edwards Cooper
b.	Multi tap speaker	ATEIS Bosch Simplex Notifier Edwards Cooper Johnson Controls Siemens
4.0	**Cables & Terminations**	
a.	Electrical Cabling Fire Alarm Cabling standard (FS/ PH30) and enhanced (FS/ PH120) fire resistance twisted pair copper cable	India Impex Tyco Prysmian Cables & Systems Ltd **Bonton (**CAVICEL – FIRECEL) Batra Henley Avocab
b.	Twisted Pair Copper Cable (FR)	Avocab Finolex Polycab Ravin Lapp
c.	VA Shielded Cable (FR)	Polycab Finolex Avocab Lapp Delta Commscope Batra henley

Sr. No.	Details of Materials / Equipment	Manufacturer's Name
d.	Communication Cable	Batra Henlay Finolex Lappkabel Polycab RR Kabel
e.	Optic Fibre cable	Birla Ericsson Optical Cable RPG Usha Martin Lappkabel
e.	Cable Glands & Bi-metallic crimping type lug	Comet Dowel Commex Gripwell Braco HMI
f.	Crimping lugs/ Thimbles	Comet Dowell
5.0	**Conduits**	
a.	G.I. Pipes	Jindal (Hiser) Tata
b.	G.I. Conduit pipe & accessories (ISI marked)	NIC AKG BEC
c.	G.I. Flexible Conduit with Proprietary fixtures (ISI marked)	NIC AKG BEC
c.	PVC Conduit pipe (ISI marked)& Conduit Accessories / PVC flexible conduit with proprietary fixtures	Precision Plastic Astral Polycab
6.0	**Cable Tray/ Trunking**	
a.	Cable Trays / Trunking	Profab Indiana Globe Asian

Notes to Contractor:

1. All the materials shall be ISI marked wherever available from the list of manufacturer given above, wherever ISI marked materials are not available, the materials shall comply to UL standards available in the market, subject to submission of satisfactory test reports and prior approval from the Client.