

**Semua Kontraktor Elektrik Berdaftar
Dengan Suruhanjaya Tenaga**

27 Mac 2004

Ruj. Kami: ST(IP/KP)16/01/2 (12)

Tuan/Puan,

PEKELILING KESELAMATAN DAN PERBEKALAN BIL. 5 / 2004

**PENGUNAAN KELENGKAPAN ELEKTRIK YANG DIKAWAL OLEH
SURUHANJAYA TENAGA BAGI KERJA-KERJA PEMASANGAN
ELEKTRIK**

Dengan hormatnya ingin saya merujuk kepada perkara di atas.

2. Sukacita ingin saya menarik perhatian tuan/puan kepada Peraturan 97(1), Peraturan-Peraturan Elektrik 1994 yang menyatakan,

" tiada seorang pun boleh mengilang, mengimport, mempamer, menjual atau mengiklankan - (i) apa-apa kelengkapan domestik; (b) apa-apa kelengkapan yang biasanya dijual secara langsung kepada orang awam; atau (c) apa-apa kelengkapan yang tidak memerlukan kemahiran khusus dalam pengendaliannya, melainkan jika kelengkapan itu diluluskan oleh Suruhanjaya Tenaga "

3. Senarai kelengkapan-kelengkapan elektrik yang dikawal oleh Suruhanjaya Tenaga adalah sebagaimana di **Lampiran A** yang di sertakan bersama-sama ini.

4. Oleh itu, tuan/puan sebagai kontraktor elektrik yang berdaftar dengan Suruhanjaya Tenaga adalah diarah supaya hanya menggunakan kelengkapan-kelengkapan elektrik yang diluluskan oleh Suruhanjaya Tenaga.

5. Bagi mengenali kelengkapan-kelengkapan elektrik yang diluluskan ianya telah ditanda dengan label yang dikeluarkan oleh SIRIM. Jika meragui ke atas kelulusan kelengkapan elektrik berkenaan, sila maklumkan ke pejabat Suruhanjaya Tenaga dengan menggunakan borang 'Maklumbalas Kelengkapan Elektrik' yang disertakan bersama ini.

Sekian, terima kasih.



(IR HJ YAAKUB BIN BACHIK)
Timbalan Ketua Pegawai Eksekutif
(Keselamatan & Perbekalan)
Suruhanjaya Tenaga.

s.k Semua Pengarah Kawasan
Suruhanjaya Tenaga.

CHAPTER 6: LIST OF ELECTRICAL EQUIPMENT THAT REQUIRES CERTIFICATE OF APPROVAL TO MANUFACTURE, IMPORT, DISPLAY, SELL OR ADVERTISE AND THEIR APPLICABLE SAFETY AND PERFORMANCE STANDARDS

The list below is meant for reference as to descriptions, details and standards applicable to the equipment therein stated and is not exhaustive. Any other electrical equipment which are not listed but falls under the following categories:

- (a) any domestic equipment;
- (b) any equipment which is usually sold direct to the general public; or
- (c) any equipment which does not require special skills in its operation,

should be approved by the Commission pursuant to the Electricity Regulations 1994 and the applicable safety and performance standards for the said electrical equipment, can be obtained from the Commission.

Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
1. PLUG TOP/PLUG (15A AND BELOW)	(a) An electrical device which: • makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord; • has insulating sleeves on the line and neutral plug pins for insertion into a socket-outlet; and • has a maximum rating of 15 A;	- Two pole plug with supply cord (max. 2.5 A)	MS 1578: 2003	BS EN 50075: 1991
		- 13A Fused plug	MS 589:PT.1:1997	BS 1363:PT.1: 1995
		- 15A Plug	MS 1577: 2003	BS 546:1950
	(b) Appliance Connectors An electrical device which: • is for attachment to a flexible cord; and • makes a detachable connection between the conductors of the cord and the pins or contacts of any low voltage appliances or equipment of a type intended or generally used for household applications	- Appliance Connector	MS IEC 60320-1:1996 or MS IEC 60320-1:2003	IEC 60320-1:1994 or IEC 60320-1:2001
		- Interconnection Coupler	MS IEC 60320-2-2: 1996 or MS IEC 60320-2-2: 2003	IEC 60320-2-2: 1990 or IEC 60320-2-2: 1998

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	(c) An electrical device which: - extends supply from a socket-outlet; - incorporates one or more integral socket-outlets; and - has insulating sleeves on the line and neutral plug pins.	- Adaptor (Multiways)	MS 589 PT.3:1997	BS1363:PT.3:1995
		- Integrated adaptor	MS 1144:1998	BS 5733:1995
	(d) Connecting devices for the connection of two or more electrical copper conductors.	- Cable connector (connecting device)	No corresponding MS	IEC 60998-1:2002
		- (connecting device screw-type)	No corresponding MS	IEC 60998-2-1:2002
		- (connecting device screwless-type)	No corresponding MS	IEC 60998-2-2:2002
		- (connecting device with insulation-piercing clamping units)	No corresponding MS	IEC 60998-2-3:2002
		- (twist-on connecting device)	No corresponding MS	IEC 60998-2-4:2002
		- Connecting box	No corresponding MS	IEC 60998-2-5:2002
2. SWITCH AND DIMMER	An electrical device which: - is an air-break switch; - is for connection to the wiring of an electric installation; - is primarily for mounting on a vertical surface - is manually opened and manually closed; and - has a rating not exceeding 63A.	- General purpose switch	MS 616:PT.1:1998	IEC 60669-1:1998
		- Electronic switch	MS 616:PT.2: Sect.1:2000	IEC 60669-2-1:1996
		- Remote-control switch	MS 616:PT.2: Sect.2:2000	IEC 60669-2-2:1996
		- Time delay switch	MS 616:PT.2: Sect.3:2000	IEC 60669-2-3:1996
		- Cooker Control Unit	No corresponding MS	BS 4177:1992
3. SOCKET OUTLET (15A AND BELOW)	An electrical device which: - is for fixing at a point at which fixed wiring terminates; - provides a detachable connection with the pins	- Electric Shaver Socket Outlet	MS 1700:1998	EN 60742:1989
		- AC-AC adaptor/ AC-DC adaptor	No corresponding MS	IEC 61558-2-6:1997

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	connection with the pins of a plug; has two, or three contacts; and has a maximum rating of 15 A;	- AC-DC converter/ adaptor (for audio-video equipment)	MS IEC 60065 :1997 or No corresponding MS or MS IEC 60065 :2003	IEC 60065 :1995 or IEC 60065:1998 or IEC 60065 :2001
		- AC-DC converter/ adaptor (for IT equipment)	No corresponding MS or MS IEC 60950-1:2003	IEC 60950:1999 or IEC 60950-1:2001
		- 13A Socket-Outlet	MS 589:PT.2:1997	BS 1363:PT 2:1995
		- 13A portable socket-outlet	MS 589:PT.2:1997	BS 1363:PT 2:1995
		- 15A Socket-outlet	MS 1577:2003	BS 546:1950
		- Portable two-pin socket-outlet	MS 1579: 2003	SS 448: 2001
4. FLUORESCENT LAMPHOLDER/ STARTER HOLDER	(a) LAMPHOLDER An electrical device which: - hold turbular fluorecent lamp - but does not include: - A lampholder which by design is restricted to specific appliances	- Lampholder for tubular fluorecent lamp	MS IEC 60400: 1999	IEC 60400:1991
	(b) STARTERHOLDER An electric device which: - hold a glow starter . - but does not include: - a starterholder which by design is restricted to specific appliances	- Starterholder for tubular fluorecent lamp	MS IEC 60400: 1999	IEC 60400:1991
5. CEILING ROSE	An electrical device which: a terminal for connection to a lampholder via a cable.	- Ceiling rose	MS 770:1982	BS 67:1969

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
6. BAYONET CAP AND MULTIWAYS ADAPTOR	An electrical device which: - hold a bayonet cap lamp, bayonet cap adaptor but does not include: - a lampholder, which by design, is restricted to specific appliances - a lampholder which is for incorporation in industrial equipment	- Bayonet cap Adaptor - Bayonet cap Lampholder - Bayonet Lamp cap	MS 769:1982	No corresponding foreign standard
7. FLUORESCENT LAMPFITTING EXCLUDING TUBES IF IMPORTED SEPARATELY	(a) An electrical device which: - provides illumination; - incorporate electric light sources for operation from supply voltage up to 1000V.	- Fixed general purpose luminary	MS IEC 60598-1:1997 MS IEC 60598-2-1:1997	IEC 60598-1:1996 IEC 60598-2-1:1979
		- Recessed luminary	MS IEC 60598-1:1997 MS IEC 60598-2-2:1998	IEC 60598-1:1996 IEC 60598-2-2:1997
	(b) An electrical device which: - is for starting preheat type fluorescent lamps; - is a glow-start type; and - has an enclosure of insulating material	- Glow-starter for tubular fluorescent	MS IEC 60155:1996	IEC 60155:1993
8. CAPACITOR FOR FLUORESCENT LAMP	An electrical device which: is use together with a ballast in a lamp circuit.	- Capacitors for use in tubular fluorescent lamp and circuit	MS IEC 61048:1999 MS IEC 61049:1999	IEC 61408:1991 IEC 61049:1991
9. BALLAST FOR FLUORESCENT LAMP	An electrical device which: - is for controlling the magnitude of current flowing through the discharge path of fluorescent lamp; - is of the independent or built-in type intended for use with luminaries (portable or fixed); or - is of the integral type such that it forms a non-	- Ballast for tubular fluorescent lamp	MS 141:PT.1:1993 MS 141:PT.2: 1993 or MS IEC 61347-1:2003 MS IEC 61347-2-8:2003 MS 141:PT.2: 1993	IEC 60920:1990 IEC 60921:1988 or IEC 61347-1:2003 IEC 61347-2-8:2000 IEC 60921:1988 with modification
		- Electronic Ballast	MS IEC 60928:1995 MS IEC 60929:1995	IEC 60928:1995 IEC 60929:1990

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	replaceable part of a fluorescent lamp/ballast combination; or - is of the adaptor type such that it allows the insertion of a fluorescent lamp into the ballast by the user but does not include : - a ballast which is incorporated in luminaries certified for compliance with the requirements for electrical equipment with increased safety type protection (Ex e) for use in hazardous locations.		or MS IEC 61347-1:2003 MS IEC 61347-2-3:2003 MS IEC 60929:1995	or IEC 61347-1:2003 IEC 61347-2-3:2000 IEC 60929:1990
10. CIRCUIT BREAKER INCLUDING AC CURRENT OPERATED EARTH LEAKAGE CIRCUIT BREAKER AND MINIATURE CIRCUIT BREAKER	(a) An electrical device which- - isolates or initiates a tripping signal to isolate a low-voltage supply to protected circuits, socket-outlets or equipment in the event of a current flow to earth which exceeds a pre-determined level; - has a rated residual current not exceeding 300 mA for devices intended for connection to fixed wiring or 10 mA for other devices; and - has a rated load current not exceeding 125 A for devices intended for connection to fixed wiring or 20 A for other devices; but does not include- - a device intended to be used with a particular circuit-breaker other than a miniature overcurrent circuit-breaker; or - a device intended to protect an electricity supply authority distribution system.	- Residual Current Circuit Breaker	MS IEC 61008-1:2003 MS IEC 61008-2-1:2003 MS IEC 61008-2-2:2003	IEC 61008-1:2002 IEC 61008-2-1:2002 IEC 61008-2-2:2002
		- RCBO	MS IEC 61009-1:2003 MS IEC 61009-2-1:2003 MS IEC 61009-2-2:2003	IEC 61009-1:1996 IEC 61009-2-1:1991 IEC 61009-2-2:1991

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	(b) An electrical device which- - is an enclosed air- break switch; - opens a low voltage circuit automatically under pre-determined conditions of over-current; - has a nominal rating not exceeding 125 A and has a current breaking capacity up to but not including 10 kA.	- Miniature Circuit Breaker (MCB)	MS IEC 60898-1:1998 or MS IEC 60898-1:2003 MS IEC 60898-2:2003	IEC 60898-1:1995 or IEC 60898-1:2002 IEC 60898-2:2002
	(c) An electrical appliance which – is by the fusion of one or more of its specially designed and proportioned components, opens the circuit in which it is inserted and breaks the current when this exceeds a given value for a sufficient time. The fuse comprised all the parts that from the complete device.	- Fuse Base & Carrier up to 32A	MS IEC 60269-1:2003 No corresponding MS	IEC 60269-1:1998 IEC 60269-2:1995
		- Fuse/Fuse Link up to 63 A	MS IEC 60269-2-1:2003 MS 1586-3:2003 MS IEC 60269-3-1:2003	IEC 60269-2-1:1996 IEC 60269-3:1987 IEC 60269-3-1:2001
		- Switch fuse up to 63A.	MS IEC 60947-1:1996 MS IEC 60947-3:2000	IEC 60947-1:1996 IEC 60947-3:1999
11. WATER HEATER INCLUDING HEATING ELEMENTS IF IMPORTED SEPARATELY	Water Heater An electrical appliance which– - is for heating and storage of water for bathing, washing or similar purposes; - incorporates a heating element; - is unvented; and - has a storage capacity not less than 4.5 L or not more than 680 L;	- Electric Stationary - Instantaneous Water Heater	MS 472:PT.3: SEC.3.1:1986 or MS IEC 60335-1:2003 MS 1597-2-35:2003	BS 3456: PT.3. SEC.3.9: 1979 or IEC 60335-1:2001 IEC 60335-2-35:2002 with modification
		- Electric Storage Water Heater	MS IEC 60335-1:1995 MS IEC 60335-2-21:2000	IEC 60335-1:1991 IEC 60335-2-21:1997

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	or - is for heating water; - is of the instantaneous type; and - incorporates live parts in contact with water.			
12. HAND OPERATED HAIR DRYER	An electrical appliance which— - is a household type or a commercial hand-held type; and - is for drying, styling or the caring of human hair	- Electric Hair Dryer - Electric Hair Styling Set	MS IEC 60335-1:2003 MS IEC 60335-2-23:1999 or MS IEC 60335-1:2003 MS IEC 60335-2-23:2003	IEC 60335-1:1991 IEC 60335-2-23:1996 or IEC 60335-1:2001 IEC 60335-2-23:2003
13. TABLE LAMPS HAVING ACCESSIBLE METAL PART	(a) An electrical appliance which - - is a household type; - provides illumination or for decorative purposes, produces light; - is fitted with a supply flexible cord, an appliance inlet socket or a power supply unit with integral pins for insertion into a socket outlet; - is for standing on a table or floor, or is fitted with a clamp or similar for attachment to vertical or horizontal surfaces; - is for use with tungsten filament, tubular fluorescent or other discharge lamps; and	-Electric Standing Lamp - Electric Table Lamp	MS IEC 60598-1:1997 MS IEC 60598-2-4:1997 or MS IEC 60598-1:2003 MS IEC 60598-2-4:2003	IEC 60598-1:1996 IEC 60598-2-4:1979 or IEC 60598-1:2000 IEC 60598-2-4:1997

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	- is constructed to represent a model, person or animal and by its design and materials is likely to be treated by a child as a toy; or - has metal parts which are required to be earthed or double insulated from live parts (excluding live parts of an all insulate lampholder)			
	(b) An electrical appliance which - - is for inspection purposes using illumination; - holds an incandescent or discharge lamp; and - is hand held; but does not include - handlamp with a magnification facility	- Electric Hand Lamp	MS IEC 60598-1: 1997 MS IEC 60598-2-8: 1998	IEC 60598-1:1996 IEC 60598-2-8: 1996
14. KETTLE INCLUDING HEATING ELEMENTS IF IMPORTED SEPARATELY	An electrical appliance which- - is a household type; - is portable; - has a capacity not exceeding 10L; and - heats liquid for: - humidifying room air; or - use in, or as, a hot beverage; or - cooking	- Electric Warming Plate	MS IEC 60335-2-12: 2003	IEC 60335-2-12:2002
		- Electric Coffee / Tea Maker - Electric Food Steamer - Electric Egg Boiler - Electric Jug - Electric Slow Cooker - Electric Steam Boat - Electric Kettle - Electric Airpot - Electric Steam Generator Appliance - Electric Heating Elements for Kettle	MS IEC 60335-2-15:2004	IEC 60335-2-15:2002

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
		- Electric Deep fryer	MS IEC 60335-2-13:1995	IEC 60335-2-13:1993
		- Electrical Multi-purpose cooker	MS IEC 60335-2-9:1995	IEC 60335-2-9:1993
			MS IEC 60335-2-13:1995	IEC 60335-2-13:1993
			MS IEC 60335-2-15:2004	IEC 60335-2-15:2002
		- Electric Built in Hob	MS IEC 60335-2-36:2003	IEC 60335-2-36:2002
15. IRON	An electrical appliance which— - is a household type; - is for smoothing or pressing fabric by the application of heat or steam; and - is hand held except for any separate steam generator; and include: - any associated equipment	- Electric Iron	MS IEC 60335-2-3:1995	IEC 60335-2-3:1993
16. SHAVER	An electrical appliance which— - is a household type; and - shaves, cuts or trims human hair	- Electric Hair Clipper - Electric Shaver	MS IEC 60335-2-8:2002	IEC 60335-2-8:1992
17. FOOD MIXER / BLENDER (KITCHEN MACHINE)	An electrical appliance which— - is a household type; - is for the preparation of food by mechanical means; or - is for opening can; or - is for sharpening of knives	- Electric Blender - Electric Chopper - Electric Food Processor - Electric Juice Extractor - Electric Grinder - Electric Mixer	MS IEC 60335-2-14:2003	IEC 60335-2-14:2002
18. IMMERSION WATER HEATER	An electrical appliance which— is a household type;	- Electric Fixed Immersion Heater	MS IEC 60335-2-73:2003	IEC 60335-2-73:2002

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	- is for heating liquid in which it may be immersed; and - is self contained; and includes - - aquarium type immersion heaters	- Portable Immersion Heater	MS IEC 60335-2-74: 1996	IEC 60335-2-74: 1994
19. HI-FI SET	An electronic device which- - is a household type; - is reproduction of sound, with little distortion connected to the supply mains as the only energy source intended for domestic and similar general indoor use with a rated supply voltage not exceeding 250 volts rms.	- Sub-woofer - Amplifier - Cassette Player - Equalizer / Mixer - Hi-Fi System - Karaoke - PA System - Portable Hi-Fi System - Portable Radio Cassette Player / Recorder - Radio - Radio Alarm - Tuner / Receiver - Turn tables / Record Players - Compact Disc Player	MS IEC 60065: 1997 or No corresponding MS or MS IEC 60065: 2003	IEC 60065:1995 or IEC 60065:1998 or IEC 60065:2001
20. MOSQUITO MATT VAPORISER	An electrical appliance which- - is a household type; and - Is for heating mosquito matt, aroma vapor.	- mosquito matt vapor - electric aroma vapor	MS IEC 60335-1:2003 MS IEC 60335-2-101:2003	IEC 60335-1:2001 IEC 60335-2-101:2001

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
21. TOASTER / OVEN (COOKING APPLIANCE)	An electrical appliance which– - is a household type; and - is for toasting bread or similar foods; - is for cooking or warming food by electrical energy; - applies heat to food, liquid or other substances in a chamber by means of high-frequency electromagnetic radiation	- Electric Bread Maker - Electric Bread Toaster - Electric Portable Oven - Portable Induction Cooker - Electric Griller - Electric Sandwich Maker/ Waffle Maker - Electric Roaster	MS IEC 60335-1:1995 MS IEC 60335-2-9:1995	IEC 60335-1:1991 IEC 60335-2-9:1993
		- Electric Stationary Electric Oven - Electric Induction Hob	MS 1597:Part 2:2003	IEC 60335-2-6:2002
		- Electric Microwave Oven	MS IEC 60335-2-25:1995	IEC 60335-2-25:1993
22. FAN	An electrical appliance which– - is a household type; - has a primary function of moving air in its vicinity; and - is self contained;	- Electric moving-louver fan & regulator - Electric ceiling fan & regulator - Electric auto fan & regulator - Electric pedestal fan & regulator - Electric table fan & regulator - Electric wall fan & regulator	MS IEC 60335-1:1995 MS 1219:Pt.2: 2002 MS 1220:2001	IEC 60335-1:1991 IEC 60335-2-80:1997 IEC 60879:1986 with modification
		- Electric range hood	No corresponding MS	IEC 60335-2-31
		- Electric ventilating fan & regulator	MS 1219:Pt.2: 2002	IEC 60335-2-80:1997
		- Electric Air Cooler	MS IEC 60335-2-98:2003	IEC 60335-2-98:2002

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
23. TELEVISION	An electrical appliance which– - is for household use; - is for the display of public or subscription television broadcasts;	- Television	MS IEC 60065:1997 or No corresponding MS or MS IEC 60065:2003	IEC 60065:1995 or IEC 60065:1998 or IEC 60065:2001
24. VACUUM CLEANER	An electrical appliance which– - is a household type; - is portable; and - removes dust, dirt or moisture and the like from floor coverings by suction; or - removes garden refuse from lawns or paths and the like by suction.	- Carpet Cleaner - Vacuum Cleaner & Accessory	MS IEC 60335-1:1995 MS IEC 60335-2-2:1995	IEC 60335-1:1991 IEC 60335-2-2:1993
25. VIDEO PLAYER	An electronic device which– - is a household type; - is video recording and playback or for playback only, connected to the supply mains either directly or indirectly and intended for domestic and similar general indoor use.	- VCD player - Laser Disc Player - Video Cassette Recorder / Player - DVD Player - Video Rewinder - Children Video Game	MS IEC 60065:1997 or No corresponding MS or MS IEC 60065:2003	IEC 60065:1995 or IEC 60065:1998 or IEC 60065:2001
26. WASHING MACHINE	An electrical appliance which– - is a household type; and - is used for washing clothes.	- Electric Washing Machine	MS IEC 60335-1:1995 MS IEC 60335-2-4:1995 MS IEC 60335-2-7:1995 or MS IEC 60335-1:2003 MS IEC 60335-2-4:2003 MS IEC 60335-2-7:2003	IEC 60335-1:1991 IEC 60335-2-4:1993 IEC 60335-2-7:1993 or IEC 60335-1:2001 IEC 60335-2-4:2002 IEC 60335-2-7:2002

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
		- Electric Cloth Dryer	MS IEC 60335-1:2003 No corresponding MS	IEC 60335-1:2001 IEC 60335-2-43:2002
27. REFRIGERATOR	An electrical appliance which— - is a household type; and - cools and stores food.	- Electric Refrigerator - Electric Freezer - Electric Minibar	MS IEC 60335-1:1995 MS IEC 60335-2-24: 2002	IEC 60335-1:1991 IEC 60335-2-24:1997
28. RICE COOKER	An electrical appliance which— - is a household type; and - is use for cooking rice.	- Rice Cooker	MS IEC 60335-1:1995 MS IEC 60335-2-15: 1999 or MS IEC 60335-1:2003 MS IEC 60335-2-15: 2004	IEC 60335-1:1991 IEC 60335-2-15:1995 or IEC 60335-1:2001 IEC 60335-2-15:2002
29. CHRISTMAS LIGHT	An electrical appliance which— - is for decorative, - display or illumination purposes; and - consists of — - lamps or lampholders interconnected by flexible cord of less than 2.5 square millimeters cross-sectional area; or - lamps within a flexible enclosure; and includes — - any integral power supply or control device	- Lighting Chain	MS IEC 60598-1:1997 MS IEC 60598-2-20:1998	IEC 60598-1:1996 IEC 60598-2-20:1996
30. DOMESTIC POWER TOOLS (PORTABLE TYPE)	(a) An electrical appliance which — - is for machining, drilling, sawing, or surface preparation; and - may be entirely supported by hand during operation but does not include - - a tool, portable type, promoted exclusively to	- Electric Circular Saw and circular knife (Cutting Blade up to 160 mm)	No corresponding MS	IEC 60745-1:2001 IEC 60745-2-5: 2003
		- Electric Drill (Drill bit size up to 10 mm)	No corresponding MS	IEC 60745-1:2001 IEC 60745-2-1: 2003
		- Electric Grinder (up to 100 mm)	No corresponding MS	IEC 60745-1:1982 IEC 60745-2-3: 1984

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
industry		- Electric Sander (up to 300 W)	No corresponding MS	IEC 60745-2-4: 2002
		- Electric spray gun for non-flammable liquid (up to 100 bars)	No corresponding MS	IEC 60745-2-7: 1989
		- Electric Jig and Sabre Saw (up to 60 mm)	No corresponding MS	IEC 60745-2-11: 2003
		- Electric Planer (up to 500 W)	No corresponding MS	IEC 60745-2-14: 1984
		- Trimmer (up to 300 W)	No corresponding MS	IEC 60745-2-15: 1984
		- Electric hedge trimmer and Grass shear (up to 750 W)	No corresponding MS	IEC 60745-2-15: 1984
		- Electric Router and trimmer (up to 500 W)	No corresponding MS	IEC 60745-2-17: 2003
		- High Pressure Cleaner	No corresponding MS	IEC 60335-1:1995 IEC 60335-2-79: 1995
		- Sewing Machine	MS IEC 60335-1:2003 MS IEC 60335-2-28:2003	IEC 60335-1:2001 IEC 60335-2-28:2002
		- Electric Soldering Iron	MS IEC 60335-1: 2003 MS IEC 60335-2-45:2002	IEC 60335-1:2001 IEC 60335-2-45:1996
	(b) An electrical appliance which –			
	- is a household type; and - is for stitching fabric or other material			
	(c) An electrical appliance which –			
	- is for the application or removal of solder; and - is hand held;			
	but does not include -			
	a soldering iron promoted exclusively to industry			
	(d) An electrical appliance which -	- Portable Battery Charger (up to 12V)	MS IEC 60335-1: 2003	IEC 60335-3:2001
	- is a household type; - is for charging batteries other than those of the automotive type;		MS IEC 60335-2-29: 2003	IEC 60335-2-29: 2002

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Product type or category	Description of Regulated Goods	Detail of Product	Standards	
			Domestic Standards	Relevant International Standards
	- is self contained; - is for charging one or more batteries for use in other equipment; and - charges the batteries while they are ON or in - the charger			
31. WIRE / CABLE / CORD (non-armoured) 0.5 mm² to 35 mm²	An electrical cord which – - is unscreened and flexible ; - is designed for use at low voltage ; - consists of two or three elastomer or PVC insulated cores of multistrand construction ; - has a cross-sectional area of each conductor from 0.5 mm.sq. not exceeding 35 mm.sq.	- Insulated flexible cord and cable - Polyvinyl chloride Insulated flexible cord - Rubber insulated cord and flexible cables	MS 140:1987	BS 6500:1984
		- PVC-insulated cable (non-armoured) for electric power and supply	MS 136:1987 or MS 136:1995	BS 6004:1984 or BS 6004:1991

NOTE:

MS: MALAYSIAN STANDARD

IEC: INTERNATIONAL ELECTROTECHNICAL COMMISSION

BS: BRITISH STANDARD

** For electrical equipment tested under IEC or BS standard are subjected to additional test to include national deviation (e.g. voltage and frequency).

**BORANG MAKLUMBALAS MENGENAI KELENGKAPAN ELEKTRIK YANG DIKAWAL
OLEH SURUHANJAYA TENAGA BAGI KERJA-KERJA PEMASANGAN ELEKTRIK**

Butir-butir Kelengkapan Elektrik Yang Diragui Kelulusannya

Nama Kelengkapan:

Jenama:

Model:

Label ST/SIRIM (Ada atau tidak?): Jika ada, No. kelulusan/No. SIRIM:

Nama & Alamat Pengilang/Pengimport:.....
(jika diketahui)

Nama & Alamat Pengedar:.....
.....

Nama & Alamat premis kelengkapan dibeli:.....
.....

Kuantiti Kelengkapan:.....Harga setiap unit:.....
Lampirkan resit pembelian (jika tidak keberatan)

Lain-lain Butir Jika Ada:.....

Butiran Kontraktor Yang Membuat Aduan (jika tidak keberatan)

Nama:.....

Alamat:.....

Tel & Fax Atau Faximili:.....

Tarikh Aduan:.....

Alamatkan aduan kepada:-

Pengarah
Jabatan Keselamatan Elektrik
Suruhanjaya Tenaga
Tingkat 10, Menara TH Perdana
1001 Jalan Sultan Ismail
50250 Kuala Lumpur.
Fax:03-2691 5584

Untuk Kegunaan Pejabat

Tindakan ST :

.....
.....

Nama & Jawatan: